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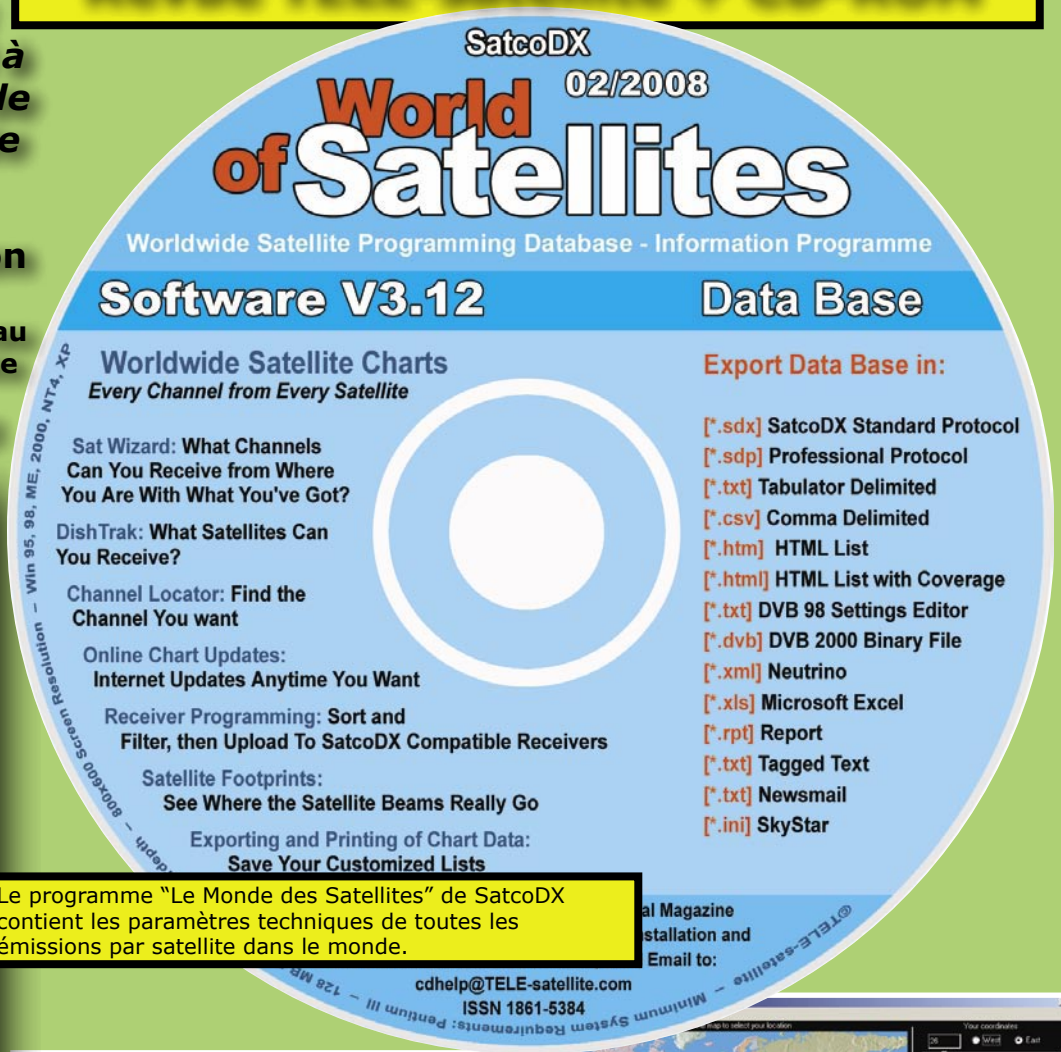

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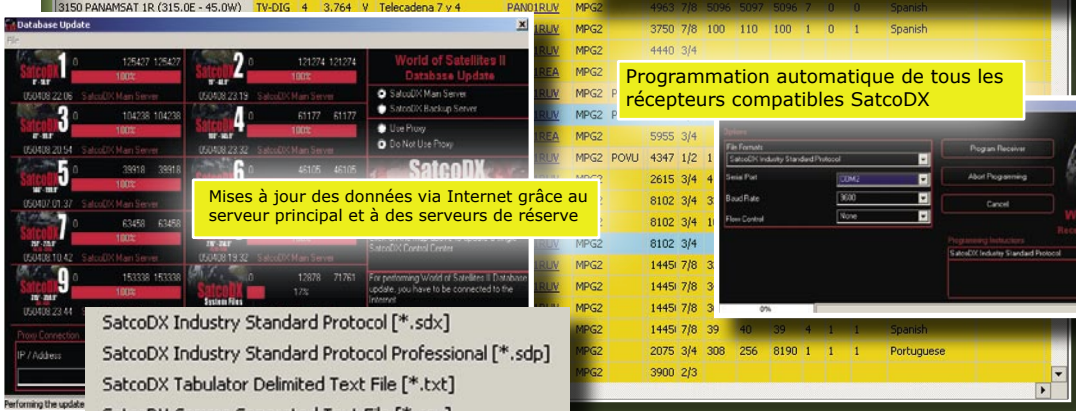

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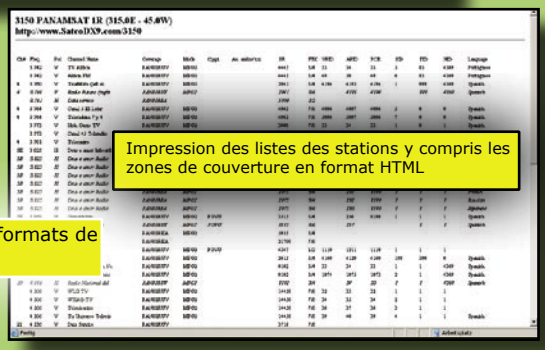

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The World's Largest Satellite Magazine
TELE SATELLITE & BROADBAND

Rédaction
TELE-satellite International
PO Box 1234
85766 Munich-Ufg
ALLEMAGNE

Rédacteur
Alexander Wiese
alex@TELE-satellite.com

Editeur
TELE-satellite Medien GmbH
Aschheimer Weg 19
85774 Unterfoehring
ALLEMAGNE

Traduction
Yanis Patalidis

Graphisme/Création
Nemeti Barna Attila

Direction Publicité
Alexander Wiese
alex@TELE-satellite.com
Fax +49-89-92185023

International Subscription Service English Edition
TELE-satellite
Subscription Service
PO Box 1331
53335 Meckenheim
ALLEMAGNE
Fax +49-2225-7085-39

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ISSN 1619-8743

Adresse Internet
www.TELE-satellite.com/fra

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Компакт-диск распространяется исключительно среди подписчиков печатной версии журнала ТЕЛЕ-сателлайт

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Chers lecteurs,

Dans cette édition de Télé-satellite nous examinons un récepteur miniature qui est si petit que vous ne devez pas le caser quelque part, mais simplement le brancher. Quelle bonne idée, et je me demande encore pourquoi personne ne l'a pas eue plus tôt. En fait, c'est parce que personne n'a jamais pris la peine de réduire la taille des différents composants à un tel degré. Ce qui déclenche encore la question, combien d'idées aussi brillantes existent là-dehors et que personne ne les ait encore mises en œuvre. Il doit y en avoir d'autres, n'est-ce pas ?

Peut-être une des raisons est que certains produits portent un faux nom. Même les mots peuvent créer des divisions et constituer des obstacles pour des idées innovatrices. Prenez l'expression « set-top box » (la boîte à poser-dessus, en anglais), par exemple. Dans Télé-satellite, nous employons généralement le mot « récepteur », bien que dans l'industrie du satellite l'expression set-top box soit bien plus répandue. Enfin, d'où vient cette expression de « boîte à poser dessus » ? Littéralement, c'est une boîte qui est posée sur quelque chose. Soit, mais ce mot a été inventé à un moment où les téléviseurs étaient des boîtes énormes qui ont en effet fourni assez d'espace pour mettre quelque chose sur le dessus. Mais que diriez-vous de l'écran plat d'aujourd'hui TV ? Essayez-donc de poser une « set-top box » sur le dessus de votre écran de plasma. En réalité, ces appareils sont désormais habituellement placés dessous, dans une des étagères du meuble qui accueille le téléviseur. Ainsi à proprement parler, le terme de « set-bottom box » boîte à poser au-dessous, serait le nom plus approprié pour un récepteur.

Regardons encore ce récepteur miniature que j'ai mentionné plus haut. C'est toujours une boîte, mais elle ne se place ni dessus, ni en bas, mais plutôt derrière - et elle n'est pas posée quelque part, mais plutôt branchée sur quelque chose. Réfléchissez à ceci et vous conviendrez que le Télé-satellite est parfaitement correct en appelant un récepteur satellite ce qu'il est : un récepteur satellite. Les gens qui parlent de set-top box tout le temps pourraient bien avoir des difficultés à imaginer que d'autres concepts soient aussi possibles.

Les expressions et les mots ainsi que leur signification devraient être remis en cause de temps en temps. Après tout, ceci peut mener à de nouvelles idées.

Amicalement,
Alexander Wiese

PS: Ma station de radio préférée de ce mois : « Suryan Radio » sur HOTBIRD 13°E (10.949V 27500), qui diffuse de la musique pop d'Inde - beaucoup de musique, peu de paroles. Hélas, la qualité audio est loin d'être parfaite.

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45 cm distance – Aluminium
50 cm distance – Steel
35 cm distance – Steel

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SDI	1,80 m
Mesh	3,10 m
Mesh	3,70 m
Irte	2,00 m
Irte	2,40 m

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Stab HH100 DiSEqC 1.2	– up to 1,00 m
Stab HH120 DiSEqC 1.2	– up to 1,20 m

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Edited by
Branislav Pekic

EUROPE

FRANCE

M6 OPTS FOR ATEME FOR IPTV ENCODING

French television broadcaster M6 has standardized its IPTV encoding platform around the ATEME Kyrion H.264 solution. M6 can now deploy 9 SD channels and its HD channel M6 HD directly through ADSL. The entire ADSL encoding headend has been standardized on Kyrion to achieve the best-possible quality and bandwidth efficiency.

PHILIPS AND CANALSAT SEEK TO BOOST HDTV ADOPTION

Philips will be supplying high definition set-top boxes to French digital satellite operator Canalsat. Its subscribers will be given Philips dual HD digital satellite receivers, offering PVR and interactive functionality. Additionally, the Dual HD receivers will be made available in a Terrestrial configuration to Canal+ terrestrial subscribers from early 2008.

NORWAY

APAX PARTNERS CLOSES TELENOR SATELLITE ACQUISITION

Funds managed by private equity group Apax Partners have completed the US$ 400 million acquisition of Telenor Satellite Services (TSS) from Telenor. The agreement had been signed on 25 October 2006. Telenor Satellite Services offers communication solutions via satellite to land, air and sea. Apax Partners intends to pursue the development of the company in Norway and abroad.

TELENOR PLANS IPTV IN 2008

Telenor plans to launch IPTV services in 2008 as it revamps its access networks and aims for 100 percent broadband coverage, the carrier's head of fixed networks, Berit Svendsen, announced. She said the Norwegian government has set Telenor the "tough challenge" of providing a broadband connection to all 2 million households in Norway. The carrier, which claims 94 per cent broadband coverage today, is getting some financial backing from the government to achieve this. Svendsen said Telenor is still to make a decision about its IPTV platform which it will launch during 2008.

SWEDEN

TELIASONERA SIGNS UP 200.000 IPTV CUSTOMERS

TeliaSonera has reported that it recently registered its 200,000th customer for its domestic IPTV service, double the number reported in May of this year. Currently, over 2.5 million households in Sweden are inside TeliaSonera's footprint for IPTV services. TeliaSonera also reported that its customers set a new record for its VOD service, renting nearly 1,000 movies per day.

UNITED KINGDOM

TISCALI ROLLS OUT IPTV SERVICE NATIONWIDE

Tiscali has started rolling out its IPTV service nationwide across the UK, and aims to sign up 500,000 subscribers by the end of 2007 and extend its reach to 10 million households. The service, called Tiscali TV, currently has 50,000 customers, mostly in North and West London and in Hertfordshire. The service was initially extended to central, north and north-west England, with areas in the north-east and Scotland to go live in October. Tiscali TV offers 80 channels, and the basic triple play package of video, voice and broadband is available from £19.99 per month, including Sky's basic channels.

BBC TRUST IN FAVOUR OF PERMANENT BBC HD SERVICE

The BBC Trust - the body which must be consulted before any new BBC channel can begin – has indicated it was in favour of a permanent BBC HD service. BBC executives have proposed a daily nine-hour schedule - from 1500 to 0000 - on satellite, cable and Freeview. The trust set down several conditions for the overall HD service, saying it was important to broadcast material from a variety of channels during peak-time evening viewing, rather than simply simulcasting BBC One. A final announcement on the service will be published in November.

NORTH AMERICA

CANADA

INDUSTRY CANADA APPROVES TELESAT CANADA ACQUISITION

Industry Canada has approved the acquisition of Telesat Canada by Loral Space & Communications Inc. and its Canadian partner, the Public Sector Pension Investment Board (PSP Investments). Completion of financing is being coordinated for a late October closing of the Telesat transaction. Last December, the joint venture company formed by Loral and PSP Investments entered into a definitive agreement with BCE Inc. to acquire 100 percent of the stock of Telesat Canada from BCE for CAD 3.25 billion.

UNITED STATES

NRTC and NTCA to offer IPTV programming to rural telcos in US

The National Rural Telecommunications Cooperative (NCTC) and the National Telecommunications Cooperative Association (NTCA) have teamed up to provide a programming solution to rural telcos seeking to deploy IPTV services. The programming selection includes over 250 video and audio channels from companies such as A&E Television Networks, ESPN/ABC/Disney, Fox News, Discovery Communications, MTV Networks, NBC Universal, The Weather Channel, Showtime Networks, Turner Networks and Comcast Network Services. The distribution agreements include rights for telcos to deliver the programming in Internet protocol format and the use of MPEG-4 compression over copper, fibre or coaxial cable as well as MPEG-2 compression.

LATIN AMERICA

BRAZIL

BRASIL TELECOM LAUNCHES IPTV IN BRASILIA

Brazil's third largest fixed line operator Brasil Telecom has launched the first commercial IPTV service in the country, Videon, initially in the capital Brasília. However, the company plans to extend in the short term Videon to the main state capitals and cities where the company already has a presence. BrT will offer two types of package: a fixed monthly package with up to 500 hours of programs and a PPV option. Spain's Telefónica is also planning to launch a IPTV in the São Paulo area. Telefónica is currently testing this technology. Brazil's largest fixed line operator Oi intends to invest US$ 150 million in an IPTV pilot project in Rio de Janeiro city this year.

CHILE

TELSUR SELECTS RUCKUS WIRELESS FOR IPTV SERVICE

Ruckus Wireless has been chosen by Telefonica del Sur (TelSur) to supply its MediaFlex to support Latin America's first commercial IPTV service. The Ruckus MediaFlex system, a unique multimedia Wi-Fi solution, extends the range and increase the reliability of Wi-Fi signals while automatically avoiding interference as it occurs. The solution enables flawless streaming of multimedia, such as IPTV channels, over standard 802.11a/b/g Wi-Fi.

ASIA & PACIFIC

AZERBAIJAN

AZERBAIJAN RECEIVES FIVE PROPOSALS FOR NATIONAL SATELLITE

Azerbaijani Communications and Information Technologies Ministry has submitted five proposals to the government on the launch of a national communications satellite. Communications and Information Technologies Minister Ali Abbasov said the package also includes technical and economic assessment of the project. "The government is likely to make a decision in the first half of 2008," he said. According to his words, Azerbaijan will use 25-30% of the capacity of the satellite and will sell the rest to the neighboring countries.

CHINA

CHINA WITH 736.000 IPTV SUBSCRIBERS

There were 736.000 IPTV subscribers in China in the second quarter of 2007, according to Analysys International. The number of IPTV subscribers increased by 20.3% compared to the previous quarter. UTStarcom was the largest operator of IPTV services in the period, accounting for 43.3% of all IPTV subscribers in the country. Second was Vcom with 39.6%, followed by ZTE with 12.8%, Huawei Technologies with 3.7%, Alcatel Shanghai Bell with 0.5%. Henan, Shanghai and Heilongjiang were the areas of the country found to have the most IPTV subscribers, all with over 100,000 subscribers.

CCTV TO SET UP HDTV CHANNEL FOR OLYMPICS

China Central Television has announced the setting up of a new TV channel for the upcoming Olympics, which will use high-definition technology. In China, seven national TV channels are scheduled to broadcast Olympics events, including four public channels, one high definition and two pay-TV channels. An estimated 4,000 hours of live TV signal are needed for the 2008 Games. Chinese broadcasters will provide the signal for the opening and closing ceremonies and the torch relay.

INDIA

BROADCASTERS WANT SAME LAWS FOR IPTV AND TV

The broadcasters' body Indian Media Group (IMG) has warned the government of the serious security implications of "unregulated" IPTV and mobile TV, which could open a back door for all channels that are banned or do not have permission to downlink in India. Since IPTV and mobile TV are being launched by telecom companies

on their network infrastructure, they are considered to be under the communications and IT ministry. Thus, they are not covered by the information and broadcasting ministry's Cable Television Networks (Regulation) Act of 1995.

INDIA LAUNCHES COMMERCIAL SATELLITE

India has launched a replacement for a communications satellite destroyed last year. The Insat-4CR satellite is equipped with 12 transponders. The high-powered satellite will augment the country's communication capacity and help meet increasing demand.

JAPAN

ARIANESPACE TO LAUNCH JCSAT-12

Japanese operator JSAT Corporation has chosen Arianespace to launch its JCSAT-12 communications satellite. JCSAT-12 will be launched by an Ariane 5 during the summer of 2009 from the Guiana Space Center and will provide service covering Japan, the Asia-Pacific region and Hawaii. Built by Lockheed Martin Commercial Space Systems, JCSAT-12 is designed for a minimum of 15 years in-orbit life and will serve as backup satellite for other JSAT satellites.

JSAT CORP SAYS SATELLITE FAILURE WILL NOT HURT BUSINESS

JSAT Corp has said that the failed launch of the JCSAT-11 satellite in Kazakhstan will have no immediate impact on its operations and finances. The company has eight existing satellites in orbit. A rocket carrying the satellite suffered an engine problem and plunged back to earth in a remote part of the country. The JCSat-11 satellite would have been involved in re-transmitting television broadcasts to Japan and other parts of Asia, as well as to Hawaii. For its part, SES Global said it will delay the launch by Proton of SES's Sirius 4, scheduled for October, and Americom 14, scheduled for December, pending the findings of the official inquiry into the failure.

LEBANON

ORANGE WINS LEBANON IPTV DEAL

Orange Business Services has announced the signing of a three-year, multi-million US dollar deal to provide an IPTV operating platform for Solidere, the Lebanese Company for the Development and Reconstruction of Beirut Central District. It will be delivered, installed, supported and integrated into the existing Solidere-operated private broadband network that was designed and deployed by Orange in 2006.

NEW ZEALAND

TELECOM NEW ZEALAND PROMISES IPTV IN 2009

Telecom New Zealand's general manager of video services, Philip King, has announced the launch of IPTV services by late 2009. A full IPTV service will require a dedicated 2Mbit/s link to the home and would also have to be available wholesale, to comply with new telecoms regulations. This would mean any of Telecom's rivals could use the service to deliver their own IPTV offering to customers, which presents its own difficulties, said King.

TVNZ TO INTRODUCE HDTV FOR BEIJING OLYMPICS

TVNZ will introduce HDTV on the Freeview Digital Terrestrial Transmission platform (DTT), in time for the Beijing Olympics in August. The public broadcaster will invest in the technology infrastructure to introduce its TV ONE and TV2 channels in HDTV on the Freeview DTT platform by July 2008. On the Freeview DTT platform, TVNZ expects to initially provide about 50 percent of peak time content on TV ONE in HD, and 80 percent on TV2.

SINGAPORE

MEDIACORP TO LAUNCH HDTV CHANNEL IN NOVEMBER

From November 11, MediaCorp will officially roll out its high definition free-to-air television signal. Called 'HD5', it is the first high definition channel in Southeast Asia. HD5 will be a simulcast of Channel 5's programming, but only 30 percent of prime time shows will be in true HD format.

SOUTH KOREA

HANARO TELECOM SIGNS UP 500.000 IPTV CUSTOMERS

Hanaro Telecom, the leading IP TV provider, says that its ``Hana TV'' has drawn more than 500,000 customers over the past 12 months and expects the figure to double by early next year. The firm has stashed more than 70,000 programs bought from 200 providers worldwide, available at any time a user wants to watch them. The company expects that it will become the largest player in the world in terms of the number of subscribers within this year, passing Hong Kong's PCCW which has around 820,000 users.

KT AND SONY TO LAUNCH IPTV SERVICE IN NOVEMBER

KT, Korea's dominant telecom operator, and Sony Computer Entertainment Korea (SCEK) will launch an Internet-based TV service in November that runs on the PlayStation 3 game console. The PS3 console will act as a set-top box for KT's Internet Protocol TV service (IPTV), named Mega TV. It is the first time that Sony has made such an alliance to use the PS3 as an IPTV set-top box.

UNITED ARAB EMIRATES

UAE TELCO SELECTS LATENS FOR IPTV SERVICE

Latens has been selected by United Arab Emirates (UAE) telco du to secure its new IPTV service. Latens is to protect the Motorola IPTV set-top boxes deployed by du, and the contract will see Latens' conditional access rolled out in the fourth quarter of 2007. du has now registered over 500,000 customers for its multilingual IPTV service since launch less than a year ago, representing over 10% of the population of the UAE.

AFRICA

SOUTH AFRICA

TELKOM MEDIA GETS SATELLITE AND IPTV LICENSE

Telkom Media has been awarded a commercial satellite and cable broadcasting licence by ICASA, the industry regulator. The licence allows Telkom Media to operate both a satellite pay-TV service and an IPTV service in South Africa. Telkom Media plans to use both satellite and cable – which will most likely involve ADSL 2+ - to bring their offerings to consumers. Telkom Media plans to offer a range of international channels that previously have not been available in South Africa and has started negotiations with a number of international content providers. Telkom Media's own channels will include a 24 hour news service, sports channels, general entertainment and current affairs programs. Telkom Media will also bring HDTV content – which may include the 2010 World Cup - to consumers.

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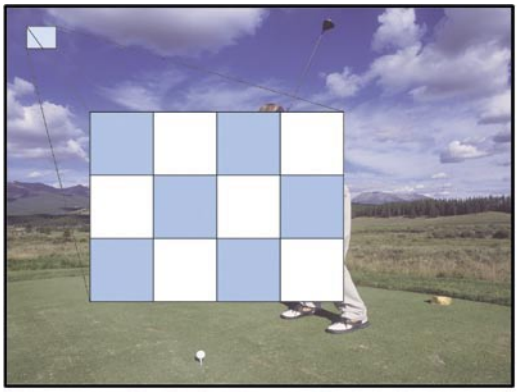


Le format d'écran, n'est-ce pas tout simple ?

Jacek Pawlowski

Le format d'écran est le rapport de la largeur de l'image à la hauteur de l'image. Bien que durant des décennies, beaucoup de valeurs différentes étaient appliquées, s'étendant du 1.19:1 jusqu'au 4:1, nous rencontrons dans la pratique seulement deux d'entre eux dans TV numérique - le 1.33:1 (ou 4 : 3) et le 1.56:1 (ou 16 : 9).

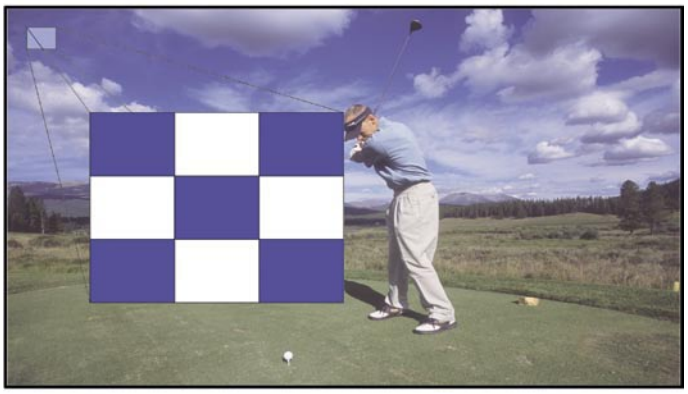
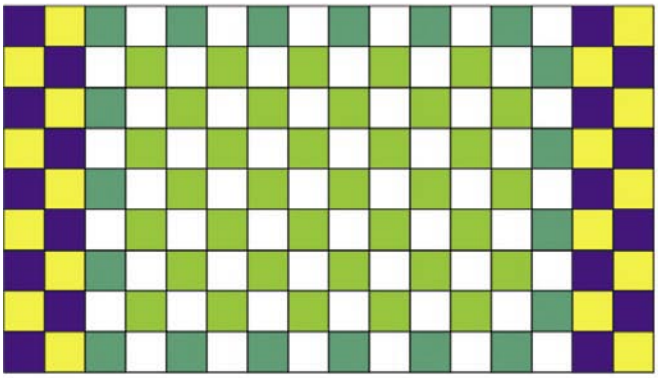


Schéma 1. formats de TVSD, d'écran large TVSD et TVHD. La partie agrandie d'un écran montre la taille et la forme des pixels.

La télévision à définition standard (TVSD) est la plupart du temps transmise dans le format 4:3 mais parfois on peut trouver le signal prévu pour des écrans larges toujours en SDTV qui on le format 16:9. Ce dernier, en dépit d'avoir le même format d'écran, n'est pas équivalent à la TVHD ! Ceci est illustré sur le schéma 1. Comme vous pouvez voir, un nombre beaucoup plus important de pixels sont transmis pour la même zone d'écran dans la TVHD en comparaison avec celle pour un l'écran large SDTV. En d'autres termes, l'écran large SDTV a le même format mais une résolution d'image beaucoup moins bonne que la TVHD. De plus, alors que pour le 4:3 en SDTV ainsi que pour 16:9 en TVHD un pixel est presque parfaitement ajusté, l'écran large TVSD emploie des pixels étirés horizontalement.

Comment ces signaux de différents formats d'écran sont-ils reproduits sur notre téléviseur ? Ceci dépend de la configuration de notre récepteur (STB) et du téléviseur lui-même. Examinons les différents cas.



STB setting: Pan & Scan

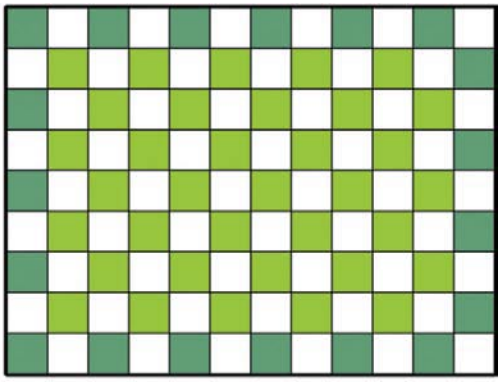
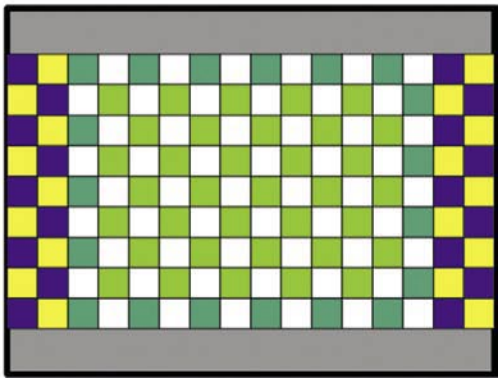


Schéma 2. signal en 16:9 vu sur un téléviseur 4:3.

STB setting: Letterbox



Signal de 16:9 sur le téléviseur de 4:3

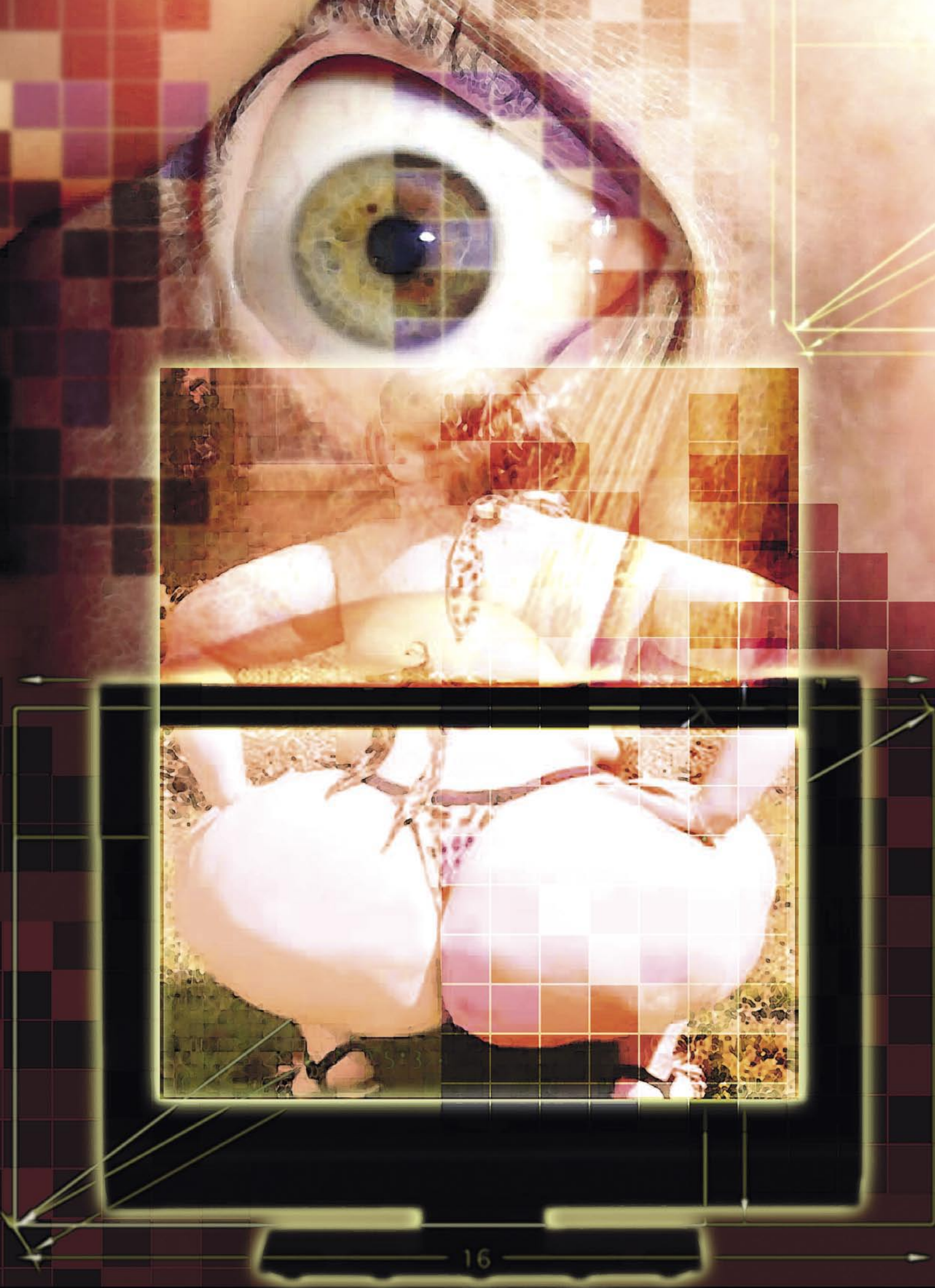
Les téléviseurs traditionnels en 4:3 n'ont habituellement aucun traitement des signaux lié au format de l'écran. Ainsi ce que nous voyons dépend du signal entrant et de la configuration du récepteur.

Le schéma 2 montre les 2 configurations que nous pouvons régler dans notre récepteur : Pan & scan ou Letterbox. Le Letterbox donne pour résultat des barres horizontales noires au-dessus et au-dessous de l'image, alors que le Pan & Scan affiche seulement une partie de l'image (mais sans ces barres ennuyantes). Il faut cependant savoir que cette option Pan & Scan n'affiche pas nécessairement la partie centrale de l'image originale (comme on peut le voir dans le schéma 2).

Lorsque le signal numérique es encodé, il est possible d'inclure les coordonnées de la plupart des parties importantes de l'écran. Ainsi nous pouvons voir soit une partie centrale ou une partie décalée plus vers la gauche ou plus vers la droite.

Cela fonctionne automatiquement - nous ne l'apercevons pas.

Cependant, si vous ne me croyez pas, mettez juste un poste de TV de 4:3 au-dessus d'un autre téléviseur en 16:9 et observez tous les deux en étant syntonisé sur un signal en 16:9. Naturellement, ceci sera beaucoup plus évident si les deux postes ont exactement la même hauteur d'image.



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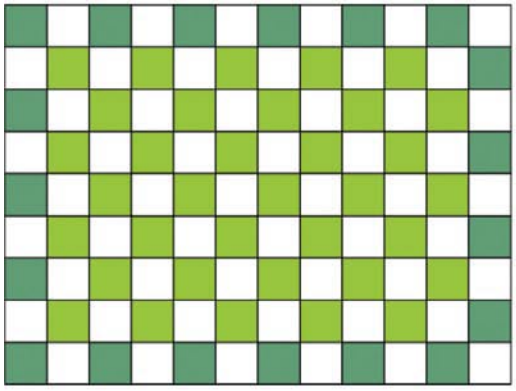


Nous attendons vos photographies du Pan & Scan en action !

Signal en 4:3 sur un téléviseur 4:3

Pourquoi mentionner le 4:3 sur le 4:3 ? Naturellement si le signal est vraiment en 4:3 - il n'y a aucun problème. Nous le voyons correctement sur nos téléviseurs traditionnels. La majorité des canaux satellites transmettent encore et toujours de tels signaux. Cependant, il arrive qu'un film en format large de cinéma soit transmis par un signal en 4:3.

Voir le schéma 3. Si un signal en 4:3 contient déjà les barres noires, nous les verrons sur le téléviseur 4:3, quelque soit le réglage que nous ferons sur le récepteur satellite. Vous devez avoir vu cette situation avec la TV analogue d'antan. Ce n'est pas très correct de la part des fournisseurs de nous servir un tel contenu à l'époque de la TV numérique mais si le même signal est aussi bien employé pour la télévision analogique terrestre et la retransmission numérique par satellite, on peut leur pardonner.

Any STB setting

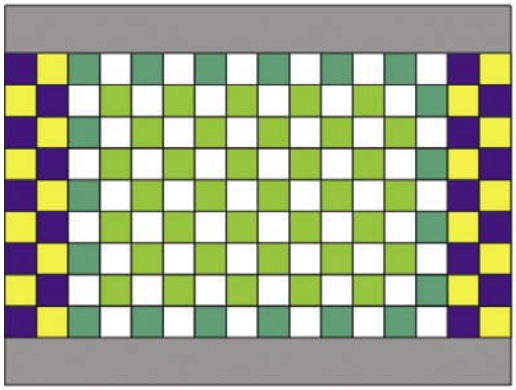
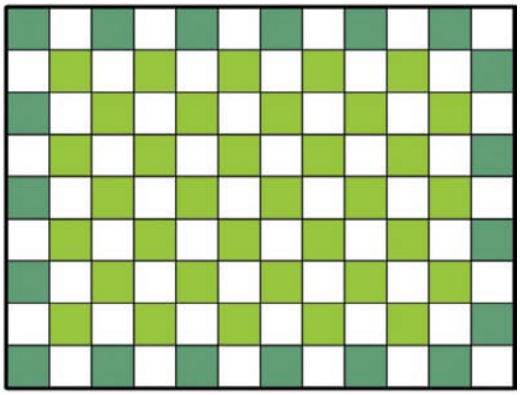


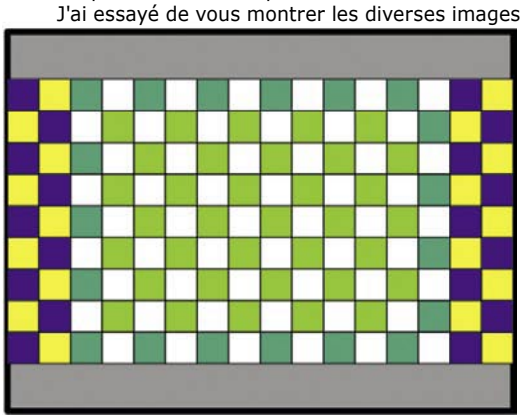
Schéma 3. Si un signal 4:3 contient déjà les barres noires (après conversion d'un film de cinéma), nous les verrons sur le téléviseur 4:3 quel que soit le réglage que nous faisons.



Signal 4:3 sur un téléviseur 16:9

Et maintenant la partie la plus délicate. Nous avons un écran plat moderne un ou écran à tube pas si moderne que cela mais avec un signal de 16:9 qui ne lui convient pas.

J'ai essayé de vous montrer les diverses images



que nous pouvons reproduire en essayant les diverses options proposées par le récepteur et le téléviseur.

Tandis que le nom des fonctions peut différer de modèle en modèle, fondamentalement chaque récepteur dispose de 2 options : Letterbox et Pan & Scan.

Certains récepteurs ont le mode plein écran dans lequel l'image est transformée de façon à remplir l'écran entier ; elle est resserrée horizontalement (flux de données en 16:9 ; format du téléviseur 4 : 3), ou elle est aplatie verticalement (flux de données en 4:3 ; format natif du téléviseur 16 : 9). Étant donné que cette option n'est pas très souvent employée, je n'ai pas préparé un schéma qui la montre.

Le plus communément, un téléviseur peut reproduire le signal sans devoir le traiter (la deuxième colonne dans le schéma 4) ou l'étirer ou encore l'agrandir (la troisième colonne sur le schéma 4).

La plupart des utilisateurs choisiront probablement le réglage Letterbox pour leur récepteur et l'étirement non linéaire dans leur téléviseur. L'image sera tordue mais surtout sur les bords gauches et droits mais pas au centre.

Cependant, ce ne sera pas optimal si le signal 4:3 est une conversion d'un film en format large - voir la partie inférieure du schéma. Dans une telle situation, le réglage le plus optimal est pan & scan pour le récepteur et "mode normal" pour le téléviseur.

Apparemment on obtient un effet semblable en utilisant le réglage Letterbox + zoom (non montrés sur la figure). Mais la qualité d'image sera plus mauvaise. C'est parce que nous produisons d'abord une petite image pour ensuite l'agrandir dans le téléviseur. Il vaut toujours mieux de produire une image plus grande dans le récepteur-même.

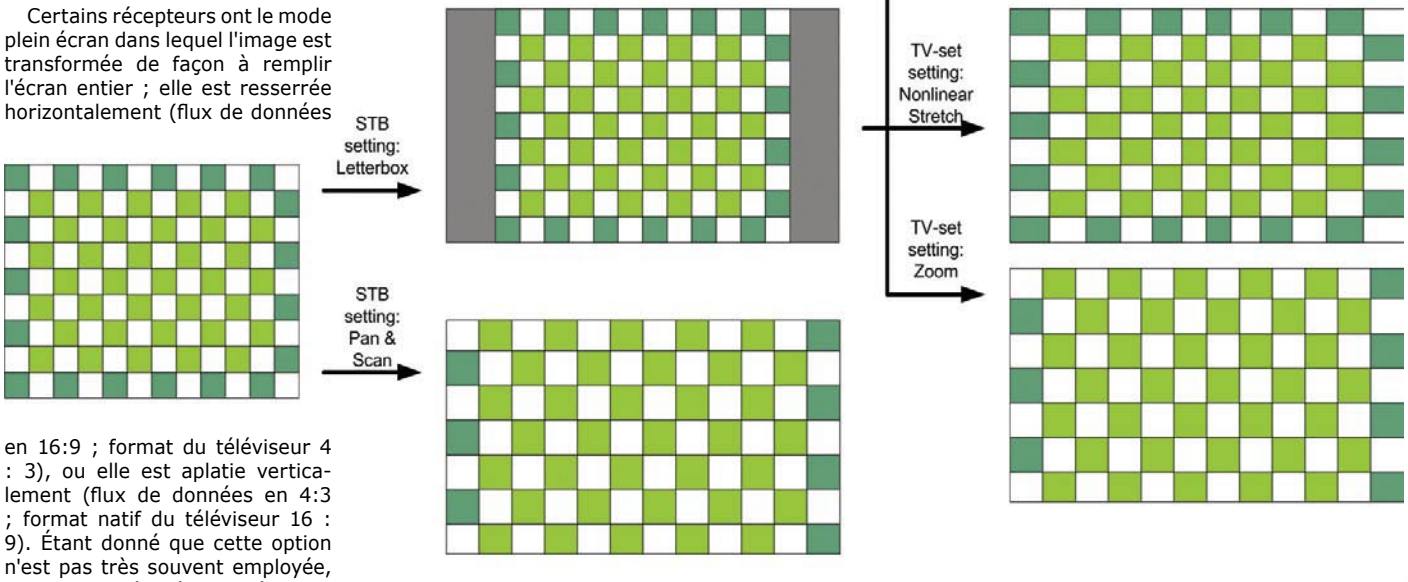
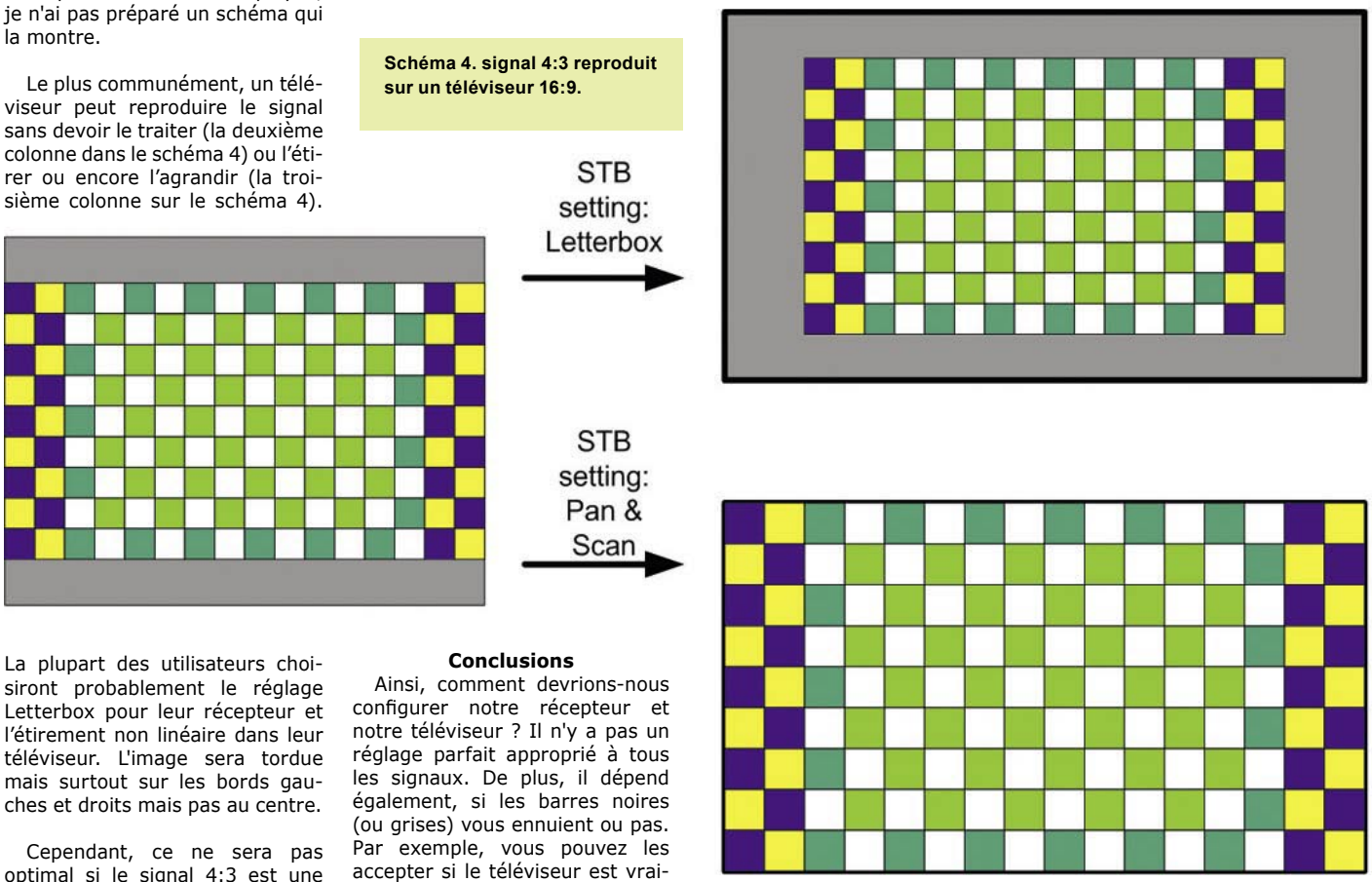


Schéma 4. signal 4:3 reproduit sur un téléviseur 16:9.



Conclusions

Ainsi, comment devrions-nous configurer notre récepteur et notre téléviseur ? Il n'y a pas un réglage parfait approprié à tous les signaux. De plus, il dépend également, si les barres noires (ou grises) vous ennuient ou pas. Par exemple, vous pouvez les accepter si le téléviseur est vraiment grand et votre préférence est d'avoir l'image aussi proche que possible conforme à l'original. Après tout, qui aime voir une Miss Monde gonflée et grosse ? Eh bien, quelques femmes, peut-être...

Nous devons changer les réglages du récepteur et du téléviseur de temps en temps si le signal entrant change. Une règle générale qui peut être admise est la suivante: employer le moins possible le traitement de l'image par le téléviseur. Laisser le récepteur satellite produire l'image aussi proche que possible de celle que vous voulez voir. De cette façon, vous obtiendrez une meilleure qualité de l'image.

Heureusement, les signaux de la TVHD et les téléviseurs HD ont le format correspondant au 16:9. Dès que toutes les chaînes auront passé à la TVHD, ce problème n'existera plus. Soyons patients.

Arion AF-4000HDCI

Récepteur TVHD parfaitement équipé d'un design élégant

L'AF-4000HDCI se présente dans un boîtier noir laqué de dimensions standard (43x27.5x6.3 cm) et dispose d'un afficheur de 12 chiffres extrêmement facile à lire, deux LED confirment la bonne réception des commandes envoyées par la télécommande ainsi que le verrouillage d'un signal par le syntoniseur. Le fabricant a également ajouté deux logements CI derrière un rabat sur le côté droit du panneau frontal et un total de huit boutons retro éclairés qui permettent de commander le récepteur sans sa télécommande. Pour rendre l'apparence encore plus attrayante dudit panneau avant, l'AF-4000HDCI possède une barre bleue verticale en LED qui change d'intensité.

Réception TVHD sur ASTRA 19.2° Est |

Tournez le récepteur dans l'autre sens et vous découvrirez un panneau arrière parfaitement équipé, contenant les entrées satellites standard et la sortie en boucle, des connexions HDMI, 2 peritels 3 fiches RCA pour l'audio en stéréo et la vidéo, 3 fiches RCA pour signal YPbPr, un sortie audio numérique en optique aussi bien qu'une interface RS-232 pour mettre à jour le logiciel opérationnel du récepteur. Grâce au ventilateur extraordinairement silencieux de l'AF-4000HDCI, qui est commandé automatiquement, nul besoin de fentes de ventilation sur côté supérieur du boîtier. Il y a même un commutateur d'alimentation général pour parachever l'image générale brillante de ce produit.

La télécommande demande quelque temps pour s'y habituer, car elle est étonnamment grande. Cependant, une fois que vous vous serez habitué à sa conception ergonomique et à la disposition de touts ses boutons, vous ne voudriez plus vous passer d'elle.

Plus encore, cette même télécommande peut être utilisée pour commander les autres téléviseurs, les magnétoscopes ou les lecteurs DVD et le manuel d'utilisation énumère une multitude codes de différents fabricants pour la programmer de sorte qu'après une minute ou deux nous étions en mesure de commander avec cette télécommande Arion le téléviseur à cristaux liquides qui se trouve dans notre bureau d'édition.

Parlant du manuel d'utilisation, il faut mentionner que même les débutants absolus vont pouvoir maîtriser ce récepteur TVHD grâce aux instructions complètes et faciles-à-comprendre, ainsi qu'aux nombreuses illustrations utiles.

Utilisation au quotidien

Quand nous l'avons allumé pour la première fois, il est devenu évident que notre appareil de test avait été conçu surtout pour le marché germanophone, puisqu'il était pré chargé avec des listes de stations pour l'Allemagne, l'Autriche ou la Suisse. Mais Arion aussi offre les listes de stations préconfigurées pour d'autres marchés.

Toutes les stations FTA et aussi les canaux cryptés en TVHD qui peuvent être captés en Europe sont mémorisés dans une liste de favoris distincte.

Au cas où vous ne seriez pas entièrement heureux avec quelques réglages par défaut il vous suffira d'appeler le menu principal facile-à-naviguer et personnaliser le récepteur à votre goût. En tout, vous pouvez choisir entre 23 langues pour l'OSD (anglais, français, allemand, italien, espagnol, portugais, russe, hollandais, danois, suédois, finnois, polonais, slave, hongrois, tchèque, slovène, roumain, grec, turc et Farsi).

Si vous préférez ne pas relier l'AF-4000HDCI à votre TV par l'interface HDMI vous pouvez sélectionner manuellement le type de signal de sortie (RVB ou CVBS) aussi bien que le format de l'écran et le système de couleurs.

Quand on commute entre PAL et NTSC le récepteur affiche un avertissement pour vous informer qu'il y a un risque de ne plus avoir d'image sur le poste TV utilisé si ce der-

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Russian	Русский	www.TELE-satellite.com/TELE-satellite-0801/rus/arionHDCI.pdf
Turkish	Türkçe	www.TELE-satellite.com/TELE-satellite-0801/tur/arionHDCI.pdf

nier ne peut pas traiter le système de couleur choisi. Nous apprécions cette information supplémentaire, car nous continuons à recevoir des appels de lecteurs désespérés qui ont - délibérément ou pas - entrepris cette modification pour se trouver ensuite avec un écran vide.

Le signal audio numérique est disponible sous Dolby Digital ou PCM et devrait par conséquent produire un signal approprié à tout genre de système home theatre. Tout comme de nombreux autres récepteurs numériques du marché, l'AF-4000HDCI est en mesure de synchroniser son horloge interne avec le signal horaire transmis par satellite. En outre, il est possible de commuter automatiquement entre horaire d'été / hiver et de fixer même les dates auxquelles cette commutation sera exécutée.

Une fois que tous les réglages de base sont accomplis en accord avec vos préférences personnelles, le récepteur aura encore besoin de quelques informations complémentaires concernant la configuration de réception sur laquelle il sera connecté. Si vous habitez en Europe et utilisez une antenne pointée sur le satellite le plus populaire qui est ASTRA 19.2° vous êtes arrivé à la fin des réglages parce que ce récepteur d'Arion est préconfiguré pour exactement cette installation.

Si votre équipement est différent, il suffira alors de faire appel au menu d'installation d'antenne et changer les réglages en conséquence.

Heureusement, ce récepteur TVHD est compatible avec tous les protocoles DiSEqC, c.-à-d. 1.0, 1.1, 1.2 et 1.3 (USALS), ce qui veut dire qu'il fonctionne parfaitement avec une antenne motorisée aussi bien au'avec une antenne avec jusqu'à 16-LNB.

La liste des satellites comporte 76 satellites européens et asiatiques des bandes C et Ku, chacun avec des données de transpondeurs actuelles. Si ceux-ci ne suffisent pas, cinq satellites additionnels peuvent être ajoutés manuellement.

Grâce à l'énorme variété de paramètres LOF préprogrammés ou sélectionnables manuellement, l'AF-4000HDCI conviendra à pratiquement n'importe quel LNB disponible. Même l'utilisation d'une antenne de bande S est possible, si vous désirez. La liste des transpondeurs déjà à jour peut être éditée pour chaque satellite simplement à la pression d'un bouton, ceci signifie que des transpondeurs arrêtés ou nouvellement mis en service peuvent être supprimés ou ajoutés en un rien de temps. Et maintenant il est temps de remplir la liste des transpondeurs du récepteur avec des stations, qui se fait par un balayage automatique des canaux. Nous avons testé l'appareil sur un satellite avec 80 transpondeurs et il a mis un peu plus de dix minutes pour accomplir le balayage complet.

En plus du mode de recherche standard vous pouvez aussi activer le mode par bouquets ou encore une recherche manuelle, alors que le experts opteront pour la recherche des canaux en introduisant les valeurs appropriées des PID. Le seul aspect négatif de ce qui est en général un mode de balayage parfait est la capacité limitée de la mémoire pour les stations. Pas plus de 4000 stations TV et radio peuvent être stockés, en nous pensons que ceci n'est tout simplement pas suffisant en tenant compte des deux logements CI et de la possibilité de commander une antenne motorisée. Arion devrait certainement aborder et résoudre ce problème.

Appuyez ensuite sur la touche EXIT pour activer le premier canal sur la liste, après que toutes les configurations initiales et balayage des canaux sont accomplis. L'AF-4000HDCI affiche à l'écran une barre d'information bien conçue renseignant sur l'émission en cours ainsi que la prochaine assortie d'icônes complémentaires qui indiquent la présence du télétexte, des sous-titres, du son en Dolby Digital, les options proposées par la station et le format d'affichage disponible.

Comme avec tous autres récepteurs TVHD, l'AF-4000HDCI peut reproduire le signal vidéo par l'interface HDMI en 576p, 720p ou 1080i. Ces trois modes aussi bien que le format d'affichage peuvent être sélectionnés à l'aide d'un bouton dédié sur la télécommande, et nous pensons que ceci est une solution très pratique. Ainsi il est par exemple parfaitement possible de visionner des canaux en TVHD en utilisant le 1080i tandis que les stations normales TVSD sont reproduites en 720p.

Le zapping est un vrai plaisir ce récepteur Arion, car il met un peu moins qu'une seconde pour passer d'une chaine à l'autre. Ce n'est que quand la nouvelle station est diffusée avec un signal TVHD que cela prend légèrement plus de temps.

Nous avons testé ce récepteur avec un écran Samsung de 40'' à affichage à cristaux liquides et avons été vraiment impressionnés de la qualité d'images transmise par le raccordement HDMI. Même les canaux en TVSD ont été reproduits avec une qualité remarquable et la connexion péritel

Info bar

Menu principal dispose clairement

produit également une image correcte. C'est très regrettable que le nombre de chaînes FTA en TVHD en Europe encore soit plutôt limité, par conséquent, ainsi il est d'autant plus important que tous les modules CI standard puissent être utilisés avec ce récepteur. Alors qu'initialement nous avions rencontré quelques problèmes avec le logiciel préinstallé, la société Satforce nous a fourni une version améliorée encore pendant nos tests qui a résolu tous les problèmes que nous avions rencontrés au début. Nous avons pu alors capter et examiner avec succès l'offre TVHD de divers fournisseurs européens et en outre, tous de modules standard Irdeto, Viaccess, Cryptoworks et Conax ont fonctionné sans problèmes l'AF-4000HDCI.

Un syntoniseur à bas-seuil est tout aussi important que l'implémentation et fonctionnement fiable des modules PCMCIA, de sorte que les signaux faibles de la BBC sur ASTRA 28.2° Est puissent être captés. L'Arion AF-4000HDCI a maîtrisé cette tâche brillamment, aussi. Tandis que les transpondeurs faibles en polarisation horizontale sur NILESAT par 7° Ouest nous parvenaient sans effort à notre emplacement des tests ici à Vienne, notre centre d'essais de Munich était aussi en mesure de pouvoir confirmer une réception impeccable d'ASTRA sur 28.2° Est.

Les débits de symboles assez bas n'ont pas réussi à mettre dans l'embarras ce récepteur d'Arion, bien que les caractéristiques techniques alléguées par Arion (DVB 1~45 Ms/s et DVB-S2 10~30 Ms/s) n'aient pas été entièrement confirmées durant nos essais. Ce n'est qu'à partir d'un débit de symboles de 1.6 Ms/s et plus que le syntoniseur a pu réussir un verrouillage sur le signal. Cependant, c'est aussi bien le cas pour la grande majorité des modèles de la concurrence et beaucoup de fabricants spécifient pour cette raison la marge de 2~45 Ms/s dans leurs fiches techniques.

Par ailleurs, l'AF-4000HDCI reconnait les types de modulation QPSK et 8PSK exigés pour la réception DVB et DVB-S2.

L'impression globale parfaite de ce récepteur est complétée par un certain nombre de dispositifs additionnels. Par exemple, vous pouvez sauvegader la liste des stations et tous les réglages dans la mémoire interne. S'il vous arrive de détériorer votre liste des stations ou de supprimer une de vos chaînes préférées à un certain moment, vous pouvez recharger tout simplement la configuration existante depuis la mémoire interne et réparer ainsi toute perte.

Les mises à niveau du logiciel peuvent être transférées par l'interface RS-232 depuis un PC ou directement par satellite. Nous ne pouvons pas demander mieux. Au cas où votre poste de télévision ne comporte pas de système télétexte, faites tout simplement appel au décodeur interne de l'AF-4000HDCI. En outre, un agenda et un calendrier sont à votre disposition.

Arion a marqué un succès vraiment énorme avec l'AF-4000HDCI !

Opinion de l'expert

Thomas Haring
TELE-satellite
Test Center
Austria

+

Un design élégant et plaisant à l'œil, un large éventail de dispositifs, matériel techniquement sophistiqué, et une interface utilisateur intelligente. Combinez tout ceci et vous obtenez un récepteur qui avec ses possibilités sans fin rendra heureux n'importe quel amateur du satellite novice aussi bien que le pro expérimenté.

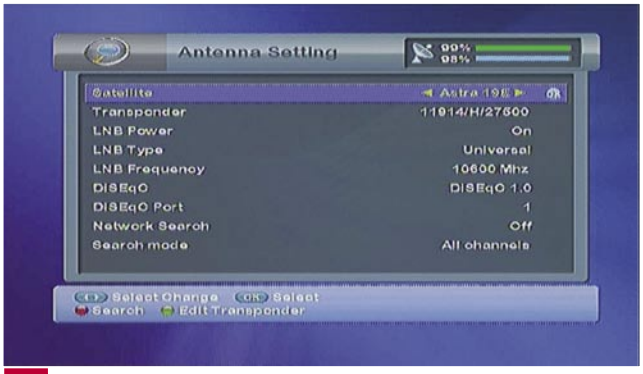
-

La capacité de la mémoire pour seulement 4000 emplacements devrait être augmentée.

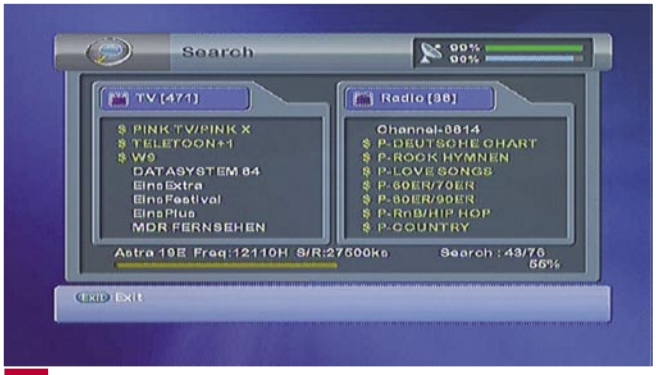
TECHNIC

DATA

Manufacturer	Arion Technology Inc, Arion Building, 1042-1 Hogye-Dong, Dongan-Gu, Anyang-City, Gyeonggi-Do, Korea 431-080
Homepage	www.arion.co.kr
Tel	+82-31-361-3000
Fax	+82-31-361-3099
E-Mail	info@arion.co.kr
Model	AF-4000HDCI
Function	Digital HDTV satellite receiver with CI slot
Channel memory	4000
Satellites	81
Symbolrates	1~45 Ms/sec. (1.6 Ms/s and above in our tests) for DVB and 10~30 Ms/sec in DVB-S2
SCPC compatible	yes
USALS	yes
DiSEqC	1.0 / 1.1 / 1.2 / 1.3
Scart euroconnectors	2
Audio/Video outputs	6 x RCA
YUV	yes
HDMI	yes
Modulator output	no
0/12 Volt connection	no
Digital audio output	yes
EPG	yes
C/Ku-Band compatible	yes
Power supply	AC 100-240 V, 50/60 Hz
Power consumption	35W max.



Définition des diverses options d'un satellite



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Technotrend Budget C-1500 incl. Remotecontrol	DVB-C	64.49 €
Technotrend Budget C-1500HD High-Definition (MPEG2/4)	DVB-C/HDTV	85.90 €
Technotrend Budget C-1500HD High-Definition incl. CI Interface	DVB-C/HDTV	99.99 €
Technotrend Connect USB C1200 (DVB-C USB 1.1)	DVB-C	69.90 €
Technotrend Premium C-2300 Hybrid HardwareMPEG2	DVB-C	94.90 €
Technotrend Budget S-1401 Silicon Tuner	DVB-S	43.90 €
Technotrend Budget S-1500 incl. CI (Common Interface)	DVB-S	84.90 €
Technotrend Budget S-1500 incl. Remotecontrol	DVB-S	63.90 €
Technotrend Budget T-1500 incl. Remotecontrol	DVB-S	59.49 €
Technotrend Connect USB S2400 (USB 2.0)	DVB-S	59.00 €
Technotrend Premium S-2300 "modded" HardwareMPEG2	DVB-S	158.00 €
Technotrend S2-3200 HDTV-S2 + Remote + Common Interface	DVB-S/DVB-S2 (HDTV)	125.90 €
Technotrend S2-3200 HDTV-S2 incl. Remote	DVB-S/DVB-S2 (HDTV)	103.50 €
Technotrend S2-3600 HDTV-S2 USB 2.0	DVB-S/DVB-S2 (HDTV)	117.99 €
Technotrend S2-3650 HDTV-S2 USB+CI (Common Interface)	DVB-S/DVB-S2 (HDTV)	164.99 €
Technotrend TT TV-Stick USB 2.0 incl. antenna and active 5V output	DVB-T	39.90 €
Technotrend Budget T-3000 Hybrid Digital and Analog	DVB-T	49.90 €
Technotrend Premium T1200 (HardwareMPEG2 Decoder)	DVB-T	149.00 €
Technotrend Budget PCI CI (for Budget/Nova Serie), V 1.1	SAT/CABLE/TERR.	25.00 €
Technotrend Premium 3.5" CI incl. Remotecontrol	SAT/CABLE/TERR.	79.90 €

Technotrend SETTOPBOXES	Reception Type	Price
Technotrend TT-Micro S320 HDMI UpScale HDTV BLACK	DVB-S	84.90 €
Technotrend TT-Micro S320 HDMI UpScale HDTV SILVER	DVB-S	84.90 €
Technotrend Scart TV S100 FreeTV Mini-Receiver SCART	DVB-S	79.90 €
Technotrend Scart TV S102 (DVB-S)	DVB-S	119.90 €
Technotrend Scart TV S102 (DVB-S) incl. Premiere Flex € 25	DVB-S	137.99 €
Technotrend Scart TV S106 (DVB-S)	DVB-S	129.00 €
Technotrend TT-micro S202 Premiere	DVB-S	63.90 €
Technotrend TT-Micro S305 HDMI Nagra+CI	DVB-S	109.90 €
Technotrend TT-Micro S326 Cryptoworks (ORF) Upscale	DVB-S	149.00 €
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Technotrend Scart TV T100 FreeTV Minireceiver Scart	DVB-T	89.00 €

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Satelco EasyWatch HDTV S2-PCI H264/AVC/MPEG4	DVB-S/DVB-S2 (HDTV)	139.90 €
Satelco EasyWatch HDTV USB CI (DVB-S2)	DVB-S/DVB-S2 (HDTV)	189.00 €
Satelco EasyWatch PCI DVB-C "Basic Edition"	DVB-C	64.90 €
Satelco EasyWatch PCI DVB-C	DVB-C	79.90 €
Satelco EasyWatch HDTV PCI (DVB-C)	DVB-C	99.90 €
Satelco EasyWatch PCI DVB-C HDTV "Basic Edition"	DVB-C	74.90 €
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Satelco EasyWatch PCI DVB-S	DVB-S	69.90 €
Satelco EasyWatch PCI DVB-S Light	DVB-S	49.90 €
Satelco EasyWatch PCI DVB-S Light "Basic Edition"	DVB-S	43.90 €
Satelco EasyWatch PCI DVB-T "Basic Edition"	DVB-T	54.90 €
Satelco EasyWatch PCI DVB-T	DVB-T	69.90 €
Satelco EasyWatch CI Interface (PCI or 3.5" frontbay version)	SAT/CABLE/TERR.	39.90 €
Satelco EasyWatch MobilAntenna active	DVB-T	29.90 €

SCM Microsystems St@rkey USB 1.1 Satellite PC-receiver	Reception Type	Price
SCM Starkey DVB-S USB 1.1 incl. ProgDVB CD	DVB-S	19.99 €

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Alphacrypt Multicrypt	94.90 €
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AlphaCrypt TC Multicrypt Dual	119.90 €
Conax CAM (Rev. 1.1) - 4.00e	45.90 €
Conax MPEG4 NP4 Neotion Processor HDTV	49.90 €
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T-Rex Supermodul 4.6	105.00 €
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NanoXX 9400

Un récepteur remarquable à balayage aléatoire

Ce récepteur satellite de couleur argentée qui porte le nom de NanoXX 9400 a des dimensions très compactes. Pas trop grand, mais assez grand pour par contre pour offrir de la place sur le panneau arrière à toutes les connexions les plus importantes – y compris deux connecteurs péritel (scart). Sur le devant, ce récepteur possède les touches de commande standard, plus deux logements PCMCIA ainsi que deux lecteurs de cartes à puce (avec licence pour les systèmes de cryptage Conax et X-Crypt) qui peuvent facilement être accédés.

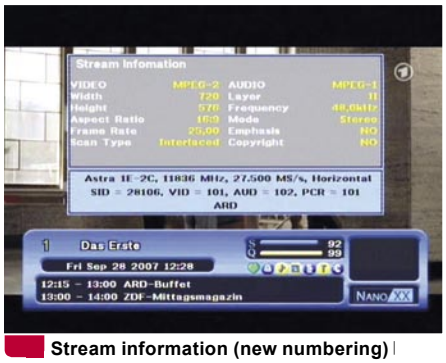
Quand nous avons commencé à tester ce récepteur nous avons presque craint le pire en ce qui concerne son fonctionnement, parce qu'une fois que nous avions déballé et avions allumé l'appareil il n'y avait aucun moyen de quitter le menu d'installation. Cependant, il y avait une raison très simple derrière cela : le NanoXX 9400 est expédié sans aucune station préenregistrée, par conséquent, la première chose que vous devez faire est de choisir un satellite et de commencer le balayage des transpondeurs. Après ceci, toutes vos attentes seront comblées et la première chaine sur la liste apparaîtra immédiatement sur votre écran. En fait, la plupart des espoirs sont non seulement comblés mais également surpassés parce que l'image peut être zoomée ou on peut même afficher sur l'écran six chaînes différentes. La barre d'informations indique non seulement le nom de la chaîne mais également l'heure actuelle, la date, l'émission en cours ainsi que la prochaine, qualité du signal et tout un ensemble d'autres informations utiles telles que le cryptage utilisé (le cas échéant) et la disponibilité du télétexte, des informations sur l'émission et un EPG. Après cinq secondes - ou une période que vous aurez choisie - la barre d'informations disparaît, mais peut être activée à nouveau à tout moment en appuyant sur le bouton dédié. La pression sur ce même bouton une deuxième fois montrera des informations détaillées des émissions que l'on peut parcourir et qui restent sur l'écran jusqu'à ce qu'elles soient désactivées par une nouvelle pression. En pressant le bouton INFO une troisième fois on fait apparaitre les données techniques détaillées concernant le transpondeur actif et le flux de données reçues.

Le guide des programmes électronique (EPG) est aussi du genre complet. En tout, quatre chaînes sont affichées avec leur grille de programmes allant jusqu'à une semaine à l'avance, y compris des informations détaillées pour chaque émission. Nous avons constaté avec satisfaction que toutes ces données sont affichées sur l'écran sans aucun délai sensible ! Les boutons de direction peuvent être utilisés pour accéder aux données souhaitées de l'EPG et un simple appui d'un bouton est tout ce qu'il faut pour marquer un événement sur la minuterie interne - quelle changement comparé à l'époque de l'analogique où la programmation de la minuterie tenait presque de la science des fusées.

L'utilisation du télétexte est tout aussi agréable car toutes les pages sont lues et stockées après une première pression du bouton qui active le télétexte et sont prêtes pour être lues tout de suite. Les pages subséquentes cependant, apparaissent seulement une par une, bien que ce ne soit pas une faiblesse de ce récepteur NanoXX mais résulte du fait que certaines stations de télévision transmettent seulement une sous page à chaque défilement complet de système télétexte.

Le balayage des stations est exemplaire et pour un démarrage rapide et facile nous recommandons la recherche automatique qui utilise les transpondeurs qui sont préenregistrés dans le récepteur et dure seulement environ deux minutes pour chaque satellite. Pour un balayage détaillé vous pouvez choisir différents transpondeurs pour une recherche manuelle, le NanoXX permettant d'éditer ou de changer les paramètres des transpondeurs avant de lancer un balayage. Ce qui place ce produit au dessus de beaucoup d'autres est sa fonction sophistiquée de balayage aléatoire. Avec cette configuration toutes les données nécessaires d'un canal sont recherchées automatiquement. Il est même possible de définir des étapes de recherche entre 1 et 5 mégahertz, ce qui naturellement est un grand facteur qui influe sur la durée d'un balayage. Généralement ce récepteur se situe parmi les plus rapides, comme nous a démontré un balayage du satellite de Hotbird en utilisant des étapes de 4 mégahertz, qui a seulement pris environ dix minutes.

Ce récepteur NanoXX a un seuil de sensitivité plus bas que la moyenne de sorte qu'une parabole de 60 cm en Europe fournit un assez bon signal même par mauvais temps. En contrepartie, ce seuil de sensitivité assez bas



Stream information (new numbering)

USB update using a memory stick

Installation menu

Antenna Settings

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peut avoir comme conséquence que trop de signaux soient détectés. Malheureusement, le mode de balayage aléatoire ne reconnait pas l'identification d'un satellite de sorte que des canaux sur les satellites voisins sont aussi mémorisés sous forme de double entrée.

Pour cette raison la liste des stations doit être éditée manuellement après un balayage aléatoire, à plus forte raison parce qu'en fait une recherche limitée aux chaînes en clair, introduira également quelques stations cryptées et mémorisera ces dernières dans la liste de chaîne de télévision. La même chose se produit avec flux de transmission de données, qui apparaissent de temps en temps sur la liste des stations radio.

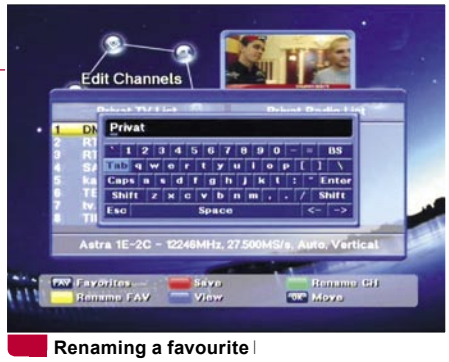
Les diverses stations de la liste peuvent être déplacés ou supprimés grâce à l'éditeur intégré, qui cependant est une tâche barbante. Une application appropriée tournant sur PC disponible au téléchargement sur www.nanoxx.info permet un bien meilleur travail.

La mémoire de canaux est plus que suffisante, avec une capacité pour 8.000 emplacements TV et radio et 2.800 transpondeurs. Les chaînes TV et les stations radio sont mémorisées dans des listes séparées et neuf listes de favoris (pour la TV et la radio séparément) peuvent être entièrement adaptées aux besoins et envies de l'utilisateur.

Le récepteur est également parfaitement équipé pour des antennes à multi-sources ou des paraboles motorisées, implémentant tous les protocoles de DiSEqC 1 y compris le DiSEqC 1.1. De cette façon ce récepteur peut commuter entre 16 signaux d'antenne différents. Les paraboles motorisées peuvent être alignées en utilisant le DiSEqC 1.2 ou Goto X, ou sont commandés entièrement automatiquement à l'aide du menu USALS. Chaque satellite préenregistré peut alors être individuellement adressé et ses canaux sont mémorisés dans des listes séparées.

Pour compléter le tout, nous avons découvert une nouveauté pratique qui a causé un certain émoi dans nos bureaux : les mises à jour du système d'exploitation sont transmises par l'intermédiaire de l'interface USB, ce qui est plus rapide et plus efficace que tout ce que nous avions vu jusqu'ici. À cet effet, le récepteur dispose d'une interface USB qui peut recevoir une clef mémoire USB. Le PC est seulement nécessaire pour télécharger la mise à niveau depuis le site Web de NanoXX et pour sauvegarder les fichiers sur la clef. Après introduction de ladite clef dans la prise USB du récepteur, l'installation de mise à niveau peut être lancée par une simple commande sur le menu apparaissant à l'écran. En plus de la mise à niveau du système, cette solution par une clef USB permet aussi la mise à jour des listes des stations éditées sur ordinateur.

En outre, des images en format JPG mémorisées sur la clef USB peuvent être présentées sur le téléviseur en faisant appel au dispositif de présentation de photos, il y a cependant une limite de 1 Mo pour la taille des fichiers.



Renaming a favourite

USALS Menu

EPG of BBC2 (TV)

Czech weather report

Alphabetical channel list

Opinion de l'expert

Heinz Koppitz
TELE-satellite
Test Center
Germany

+

Un récepteur comportant une technologie dernier cri qui ne laissera pas beaucoup à désirer. Une grande mémoire de stations et des mises à niveau aisées, balayage aléatoire complet et rapide, gamme de DiSEqC complète et mises à jour par l'interface USB.

-

Les dispositifs de balayage et de tri auraient besoin d'être améliorées, commande du moteur un peu lente parfois

TECHNIC DATA

Supplier	NanoXX www.nanoxx.info
Model	NanoXX 9400
Power Supply	90 ... 250 V AC
Power Consumption	8/13 Watt (Stand-By/Off)
Size	300 x 230 x 63 mm
Weight	1620 g
DiSEqC	1.0, 1.1, 1.2 (with GotoX), USALS
Satellites	max. 100
RF-Modulator	No
Program Listings	TV, Radio, Favorites
Teletext	800 Page Memory
EPG	Four Channel Display, whole week with program details
Timer	EPG-programmable
Front View	Stand-By, 4 Digit Display, Menu, OK, 4 Arrows
Rear View	IF In, IF Out, RS-232, USB, 3xRCA (Audio L/R, Video), 2xSCART, Main Switch, Power Supply Jack
Upgrades	Via USB Stick

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Qu'est-ce que le balayage aléatoire?

Chaque satellite émet sur une multitude de canaux de transmission. Et parce que chaque canal de transmission transmet non seulement un mais plusieurs stations TV et radio on l'appelle, un transpondeur. Pour différencier entre chaque station TV ou radio individuelles, un récepteur satellite doit savoir la fréquence et la polarisation (horizontale/verticale) du transpondeur aussi bien que disposer d'informations supplémentaires concernant les différents canaux transmis par l'intermédiaire d'un transpondeur. C'est la seule manière pour qu'un récepteur puisse sélectionner ce dont il a besoin du flux de données entier.

Les récepteurs disponibles sur le marché ces derniers temps ont seulement besoin de connaitre la fréquence, la polarisation et le débit de symboles pour identifier un transpondeur et pour détecter toutes les stations transmises par transpondeur donné.

Cependant, ces trois valeurs doivent être stockées dans le récepteur en premier lieu, c'est la raison pour laquelle les récepteurs sont livrés avec des données préréglées concernant les transpondeurs. Malheureusement, cependant, ces listes deviennent caduques plutôt rapidement parce que les stations TV et radio changent parfois leurs fréquences, et plus fréquemment encore, les débits de symboles sont modifiés. Si ceci se produit, le récepteur ne peut pas trouver les stations et les nouvelles données doivent être recherchées sur l'Internet et introduites manuellement dans le récepteur.

Les listes des transpondeurs disponibles sur l'Internet peuvent considérablement faciliter ce travail - notre liste complète de SatcoDX est un exemple typique pour un tel outil d'assistance. Avec l'aide d''un logiciel d'édition ces listes peuvent être maintenues à jour très commodément sur un PC, mais c'est tout de même un travail que vous devez effectuer manuellement.

Les récepteurs à balayage aléatoire n'ont besoin d'aucune introduction préalable de données. Ils peuvent identifier tous les transpondeurs actifs, la bande de fréquence et tout autre paramètre automatiquement et avoir ainsi toujours les listes des transpondeurs et des stations à jour dans leur mémoire. Ceci fait du balayage aléatoire la meilleure méthode de recherche pour installer un nouveau système de réception satellite. En outre, le balayage aléatoire permet de mettre à jour en permanence l'offre actuelle de stations.

TechnoTrend Scart TV S100

Petit, plus petit, TechnoTrend Scart TV!

Quelle sensation: Le premier récepteur satellite invisible est arrivé. Comment peut-il être invisible ? Par le fait que le TechnoTrend Scart TV100 peut être branché à la prise péritel (scart) sur le dos du téléviseur, il se trouve ainsi complètement hors de vue dans votre salon. Malgré cela, cette petite boîte (55 x 22 x 100 millimètres) est bourrée avec toutes les fonctionnalités que nous espérons trouver dans un récepteur satellite numérique moderne.

Le récepteur est proposé dans deux versions différentes, une étant un récepteur FTA et l'autre comprend un lecteur de cartes intégré qui est compatible soit avec Nagravision employé par le fournisseur de télévision à péage allemand Première, ou Crypto-works, le système de cryptage adopté par le radiodiffuseur public autrichien ORF. En outre, la version avec lecteur de cartes dispose d'une sortie audio optique, qui est absente dans la version FTA. L'appareil que nous avons examiné était le Scart TV S100, qui est le modèle FTA.

En voyant le récepteur pour la première fois il est vraiment difficile de croire que TechnoTrend ait vraiment pu masser tous les composants dans une boîte si minuscule. Alors que la prise péritel dorée est la caractéristique la plus importante d'un côté du boîtier, l'autre partie présente une prise pour le block d'alimentation externe et un autre pour le récepteur infrarouge, alors que l'entrée IF satellite est située sur le côté du récepteur. La version avec le lecteur de cartes intégré a en outre la fente appropriée ainsi que la sortie audio optique.

Le système est livré complet avec une télécommande qui est exceptionnellement plate, et pourtant se prend bien dans la main et permet de commander le récepteur de façon tout à fait confortable.

Le manuel d'utilisation imprimé est disponible en anglais et en allemand et explique toutes les étapes d'installation d'une manière complète, parachevée par de nombreuses illustrations.

Nous sommes devenus habitués au fait que TechnoTrend propose des produits bien construits et solides, et ce récepteur miniature ne fait pas exception.

Utilisation au quotidien

Avant d'allumer le TechnoTrend Scart TV pour la première fois, il est conseillé de trouver qu'une position appropriée pour la cellule IR externe afin d'assurer que le récepteur pourra recevoir sans défaut toutes les commandes envoyées par la télécommande. La cellule IR est également équipée de deux LED qui indiquent l'état opérationnel du Scart TV S100 et accusent réceptions des commandes envoyées par la télécommande.

Ensuite, tout ce qui reste à faire est de brancher ce boîtier à n'importe quelle prise péritel disponible, de relier le câble d'antenne et le cordon d'alimentation du bloc secteur et l'allumer. Si la place à côté de la prise péritel pour le récepteur est limitée, vous pouvez aussi bien employer le câble de prolongation inclus et poser le récepteur sur le meuble.

Lorsque ce récepteur est mis sous tension pour la première fois le téléviseur affichera l'assistant d'installation qui commence par demander la langue souhaitée pour les menus à l'écran. Outre l'allemand, l'anglais et le français, vous pouvez aussi choisir l'italien, l'espagnol, le portugais, le suédois, le finlandais, le danois, le turc, le polonais, le tchèque, le russe et le grec.

Après, l'emplacement géographique (qui est important pour déterminer le fuseau horaire approprié), le format de l'écran du téléviseur (4 : 3 ou 16 : 9) ainsi que le type de sortie vidéo (RVB, CVBS ou S-Vidéo) doivent

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IP Box 250 je levnou, přitom výkonnou konkurencí jednak ve vlastních řadách (díky vestavěnému disku konkuruje vlastně IP Boxu 400), zadruhé zarytým rivalům i tajným kamarádům Dreambox řady7xxx. Linuxové PVR za polovinu ceny oproti prémiovým přístrojům – to už je pádný důvod k nákupu. Estéti mohou vybírat mezi stříbrnou a černou variantou.

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Traveling in time?

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The favorable programs can be burnt on DVD disc from built-in 2,5" or 3,5" HDD of unlimited capacity.

Control your AB IPBox 250S PVR anytime and anywhere!

The **Web Interface** function allows you to completely control your receiver through web - setting up the receiver, editing of settings, downloading of plugins, boot pictures and desktops in RADIO mode.

Choose your own operating system!

The same way you can configure your own personal computer you can adjust your Linux **AB IPBox** satellite receiver. Thanks to the **Multiboot** function just choose one of the operating system - image (for example Enigma) and utilize its advantages or simply select the other one. It is easy to set up the default image.

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être renseignés avant que le Scart TV S100 passe à la page du menu pour les configurations LNB.

Malheureusement le récepteur n'implémente que le DiSEqC 1.0 ou toneburst, ainsi si vous possédez une parabole motorisée qui doit être commandée par DiSEqC 1.2 ou 1.3 (USALS) ou une antenne multi-sources avec plus de quatre LNB vous n'avez pas de chance avec ce petit récepteur bien mignon. Ce que nous avons aimé, cependant, est le fait qu'on peut activer jusqu'à trois répétitions des commandes DiSEqC qui est d'un grand secours pour éviter que les commutateurs ad hoc ne s'exécutent correctement.

La liste satellite préenregistrée comporte les satellites à diffusion directe européens les plus importants (17 positions au total). Vu l'absence du protocole DiSEqC 1.1, 1.2 et 1.3, ce nombre de satellites est suffisant.

Les fréquences LOF peuvent être éditées individuellement pour chaque satellite, bien qu'il soit peu probable que quelqu'un emploie ce dispositif car la liste des satellites ne peut pas être étendue.

La réception de la bande C est possible et les données respectives des transpondeurs (par exemple pour THOR 1° Ouest) sont en partie pré mémorisées. La dernière étape de l'assistant d'installation est le balayage automatique des stations, qui pourra être soit un balayage complet soit un balayage sur des satellites individuels, ceci limité pour les stations en clair ou les chaînes cryptées.

Une fois que tous les réglages initiaux sont accomplis le récepteur commute sur la première chaîne de la liste et affiche aussitôt une barre d'information très lisible qui inclut les renseignements sur l'émission en cours et la prochaine. Une pression sur le bouton marqué EPG fera apparaitre un EPG très commode et fonctionnant parfaitement et une pression complémentaire d'un bouton créera une entrée dans la minuterie pour mettre en marche le récepteur au début d'une émission spécifique.

On accède à la liste complète des stations en appuyant sur le bouton OK. Cependant, il n'y a aucune possibilité pour classer les stations par ordre alphabétique ou par fournisseurs de services - ceci ne peut être fait que dans le menu principal. Pour le côté agréable cependant, un sous-menu spécifique peut être appelé permettant de personnaliser à son goût la liste des stations entière.

Afin de faciliter encore plus ce procédé le Scart TV S100 a une fonction très astucieuse pour filtrer les listes des stations. Plusieurs catégories telles que CAS/FTA, fournisseurs ou satellites sont disponibles de sorte que sont montrées seulement ces chaînes que vous souhaitez éditer ou déplacer vers la liste des favoris. C'est une vraie aubaine pour les listes complexes se composant de plusieurs centaines de stations.

Le menu principal permet en outre d'entreprendre quelques réglages additionnels que l'assistant d'installation initiale ne propose pas. Par exemple, on peut choisir si le décodeur télétexte interne ou le décodeur du téléviseur doit être employé ou même la couleur des affichages à l'écran (OSD).

Grâce à AFD, le Scart TV S100 détecte les formats d'écran qui diffèrent du rapport prédéfini de l'écran utilisé, et restructure automatiquement pour s'adapter à votre écran.

Des nouvelles stations peuvent être ajoutées en un tournemain par un balayage manuel, mais malheureusement il n'y a aucune possibilité d'introduire les PID manuellement, un dispositif très apprécié par les radioamateurs. Dans l'ensemble, la mémoire de stations peut accueillir jusqu'à 4.000 canaux, ce qui est plus qu'assez pour un récepteur de type FTA.

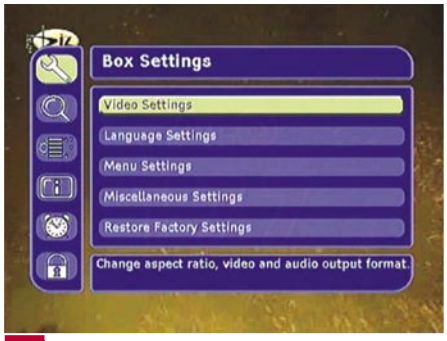
Un autre dispositif commode méritant une mention spéciale est le verrouillage pour enfant par un code PIN pour mettre sous clef les chaînes qui ne conviennent pas pour des enfants. En outre, il est aussi possible de verrouiller le récepteur entier ou le menu principal seulement par un code PIN.

Le Scart TV S100 commute d'une station à l'autre de manière raisonnablement rapide, prenant approximativement une seconde. Le temps qu'il met pour un balayage complet est également dans la moyenne avec à peine plus de dix minutes sur un satellite avec 80 transpondeurs.

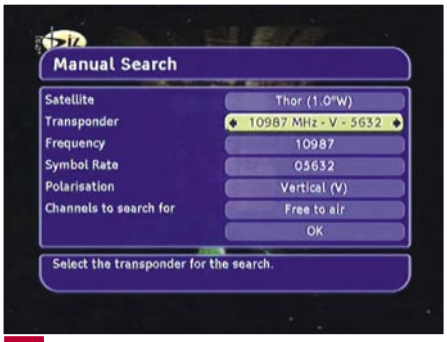
Le syntoniseur a un seuil bas et pouvait détecter et syntoniser aussi des signaux assez faibles, par exemple sur ARABSAT 26° Est, NILESAT 7° Ouest ou LMI1 75° Est.

Quoique ce récepteur n'ait pas été conçu pour les fanatiques de la technologie et des radioamateurs, il a réalisé de bons résultats durant nos tests en réussissant de se verrouiller sans problèmes sur un transpondeur à bande étroite émettant avec un débit de symboles de 2 MS/s. Au-dessous de ce niveau de débits

Réception SCPC sur TURKSAT par 42° Est



Menu principal



Balayage manuel

cependant, aucun signal n'a été reconnu.

L'impression globale remarquablement bonne du Scart TV S100 est encore émaillée par une mise à niveau du logiciel automatique par satellite, qui maintiendra le récepteur à jour et évolutif pour l'avenir.

Opinion de l'expert

Thomas Haring
TELE-satellite
Test Center
Austria

+

Le TechnoTrend Scart TV S100 est un récepteur numérique minuscule qui fonctionne aussi bien que ses plus cousins.

Le fabricant a montré que la taille n'importe pas autant pour les valeurs essentielles. Le récepteur est facile à utiliser et devrait satisfaire tous les membres de la famille quel que soit leur âge.

-

Malheureusement, le Scart TV S100 n'est pas compatible avec les protocoles DiSEqC 1.1, 1.2 et 1.3 (USALS). Nous aurions également souhaité une liste des satellites plus complète et la possibilité d'ajouter des satellites manuellement.

TECHNIC DATA

Distributor	DVB-Shop, Germany
Tel	+49-34954/31960
Fax	+49-34954/49233
Website	www.dvbshop.net
E-Mail	webmaster@dvbshop.net
Model	TechnoTrend Scart TV S100
Function	Digital satellite receiver at miniature size
Symbolrates	2-45 Ms/sec.
SCPC compatible	yes (2 Ms/s and higher in our test)
USALS	no
DiSEqC	1.0
EPG	yes
C/Ku-Band compatible	yes
Software Update via Satellite	yes
Audio out	yes (for models S102 and S106)
Power supply	230V AC/50 Hz
Power consumption	<20W
Power consumption in standby	<6W

Barre d'information

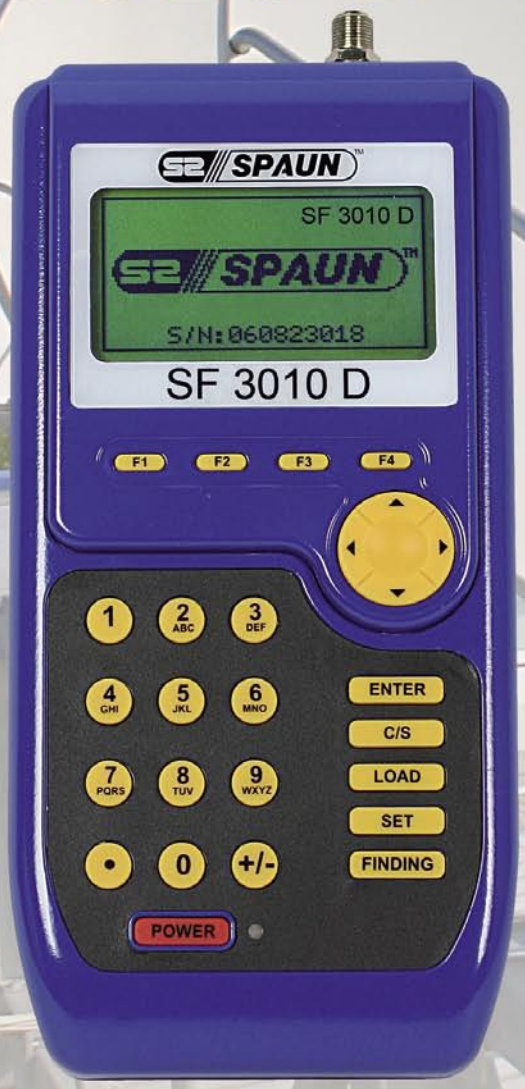
EPG

Der Spezialist für die SAT-ZF-Verteiltechnik

Digital SAT-Analyzer & Positions-Finder

SF 3010 D

NEW



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INFOSAT Zimple Box 3

Un récepteur simple à balayage aléatoire embarqué

La première chose qui nous a d'emblée impressionnés quand nous avons ouvert le colis qui contenait le récepteur Zimple Box 3, était ses dimensions compactes. Le récepteur que nous avons testé était de couleur argentée avec quelques lettres en thaï sur le côté droit du panneau frontal. Nous pouvons également apercevoir le bouton de mise en marche / veille ainsi que deux autres boutons qui permettent de changer de canal sans utiliser la télécommande. Un affichage DEL à sept segments et trois chiffres fournit des informations sur le numéro du canal, et lorsque le bouton d'information sur la télécommande a été appuyé, il indique la qualité du signal en pourcentage. Une barre de niveau du signal sur le côté droit était également utile car elle représente la qualité du signal.

Sur le panneau arrière nous avons retrouvé l'entrée habituelle pour le LNB, mais sans la boucle de sortie. Trois prises RCA matérialisent les sorties pour la vidéo ainsi que pour les signaux audio droite et gauche, et servent à relier le récepteur à un téléviseur. Une sortie vidéo additionnelle peut être employée pour relier un magnétoscope. Un interrupteur principal était également présent, qui est utile pour ramener la consommation d'énergie à un minimum lorsque le récepteur n'est pas employé.

Comme le nombre de satellites et de transpondeurs est en constante augmentation, il est très utile de disposer d'une manière simple pour mettre à jour la base de données du récepteur rapidement et correctement. Ceci est réalisé par le port RS232 incorporé, qui est la seule façon pour mettre à jour le progiciel et les diverses configurations disponible sur ce récepteur.

La télécommande est de couleur noire et d'un style ergonomique facilitant son utilisation. Sa transmission infrarouge est si puissante qu'il n'y a point besoin de viser directement le récepteur - vous pouvez même la tourner vers une autre direction et cela fonctionnera tout de même.

Mise en place

Quand nous avons allumé ce récepteur pour la première fois, nous avons constaté que le Zimple Box 3 avait déjà été configuré. Pour vérifier les réglages d'usine, nous avons appliqué la configuration par défaut, qui a changé la langue de tous les menus en thaï. Quelques satellites qui diffusent principalement des émissions asiatiques étaient déjà installés.

Le Zimple Box 3 d'Infosat connait la langue thaïe, chinoise et anglaise pour ses menus. En activant le menu système, vous pouvez configurer la langue, la sortie vidéo en pal ou NTSC, la couleur et la transparence de l'OSD, et même le temporisateur d'extinction de sorte que le récepteur s'éteigne automatiquement après un temps prédéterminé.

Dans la section des outils, on peut obtenir les informations sur la version du progiciel de ce récepteur Zimple, ainsi que des informations sur la station active comme le transpondeur, la fréquence et la puissance du signal. Le menu appelé Guide du Satellite est un outil pratique pour configurer la parabole pour un satellite spécifique. Complétez les informations sur votre longitude, latitude et la longitude du satellite, et le guide vous fournira l'azimut et l'altitude

pour installer votre parabole. Dans le menu des outils vous trouverez également les habituels chapitres réglage par défaut, les jeux, la mise à niveau du logiciel, un calendrier, et une calculatrice.

Information menu |

Nine pictures |

TELE-satellite World www.TELE-satellite.com/...

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Bulgarian	Български	www.TELE-satellite.com/TELE-satellite-0801/bul/zimple.pdf
German	Deutsch	www.TELE-satellite.com/TELE-satellite-0801/deu/zimple.pdf
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Russian	Русский	www.TELE-satellite.com/TELE-satellite-0801/rus/zimple.pdf
Turkish	Türkçe	www.TELE-satellite.com/TELE-satellite-0801/tur/zimple.pdf

Installation et balayage aléatoire

Le Diseqc 1.0 et 1.2 sont pleinement implémentés ce qui signifie que jusqu'à quatre LNB ou un moteur d'antenne Diseqc 1.2 peuvent être branchés et être commandé par le récepteur. Ajouter de nouveaux satellites à ceux déjà installés n'est

pas une grande affaire. Il suffit d'introduire le nom du satellite désiré, le port choisi pour le LNB et alors vous pouvez soit ajouter des transpondeurs manuellement ou faire appel à la fonction du balayage aléatoire pour scanner tous les transpondeurs et canaux disponibles. La vitesse du balayage de ce récepteur est plus que bonne. Le Zimple Box 3 a mis seulement 5 minutes et de 57 secondes en mode balayage aléatoire pour trouver les transpondeurs actifs et pour télécharger les

stations. En mode balayage automatique avec 77 transpondeurs déjà installés, le Zimple Box 3 est parvenu à accomplir le balayage pour les stations FTA et cryptées en 1 minute et 22 secondes.

Le Zimple Box 3 a même une fonction très pratique et facile à utiliser pour un balayage aléatoire rapide : appuyez sur le bouton EXIT de la télécommande pendant 5 secondes, et un menu apparaitra demandant de confirmer ou d'annuler le balayage aléatoire et dans l'affirmative le type de recherche « FTA ou CAS ». Après la confirmation par OK le balayage commence immédiatement. Un dispositif étonnamment commode !

Ce récepteur a un syntoniseur très sensible et nous en avons eu confirmation lorsque nous l'avons comparé avec trois autres récepteurs car le Zimple Box 3 a réussi à produire une image claire en dépit d'une qualité de signal très pauvre, alors que les autres récepteurs ont à peine produit des mosaïques. Le Zimple Box 3 pouvait se verrouiller presque immédiatement sur des fréquences avec des débits de symboles très bas prouvant par la même occasion sa compatibilité SCPS.

Utilisation au quotidien

Le Zimple Box 3 produit une image très nette. Cela a été remarqué quand nous avons syntonisé Skai TV sur Hellasat et en comparaison avec les trois autres récepteurs déjà mentionnés. Le passage d'un canal à un autre est rapide et ne prend pas plus qu'une seconde pour des chaînes d'un même transpondeur. En commutant entre différents transpondeurs ce délai est d'un peu plus d'une seconde.

En appuyant sur le bouton OK sur la télécommande, une liste des stations est affichée. La navigation à travers les stations est facilitée par l'utilisation des flèches Haut / Bas et pour les sauts de page des flèches gauche et droite. Appuyez sur le bouton 0 et un écran de neuf fenêtres couvrira votre moniteur, montrant neuf images immobiles des stations voisines d'un même satellite, y compris celle que vous étiez en train de regarder. Cette dernière continue normalement. La navigation dans cette mosaïque est facile et se fait en employant les flèches gauche / droit de la télécommande, en appuyant sur le bouton OK on active la fenêtre choisie.

L'édition de la liste des stations se fait comme d'habitude, et toutes les fonctions utiles sont également présentes dans le Zimple Box 3 d'Infosat.

Conclusion de l'Expert

Gusarov Theodoros
TELE-satellite
Test Center
Greece

+

Infosat a développé un récepteur rapide et facile à utiliser pour la réception en clair avec un syntoniseur très sensible et le balayage aléatoire très apprécié. Grâce au protocole DiSEqC 1.2 il peut commander un système motorisé ou commuter entre jusqu'à quatre LNB. Un récepteur idéal pour l'usage quotidien.

+ commutation des stations rapide
+ interrupteur d'alimentation principale
+ SCPC

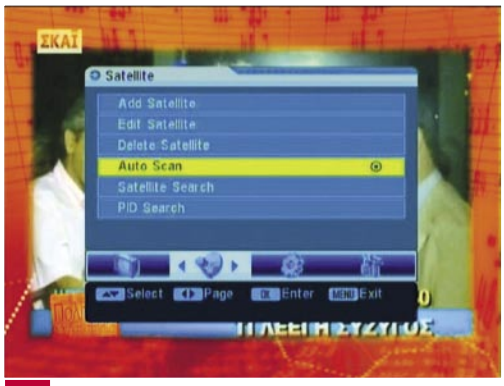
-

- Pas de EPG
- Une sortie en boucle aurait été souhaitable

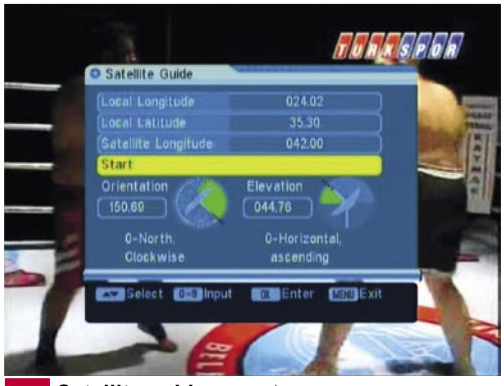
TECHNIC

DATA

Manufacturer	Infosats, 46(22 Moo.5, Tiwanon Road, Banmai, Pakkred, Nonthaburi, 11120 Thailand
Tel / Fax	Tel +662-961-9161-3 / Fax +662-961-9996-8
Email	niran@infosats.com
Web page	www.infosats.com
Model	Zimple Box 3
Function	démodulateur MPEG2 FTA avc balayage automatique
Symbolrates	2- 45 Ms/sec
Channel memory	1000
SCPC	Yes
Connectors	1 LNB input, 4 RCAs with 2 video outputs, RS232
DiSEqC	1.0, 1.2
EPG	No
Firmware upgrade	via RS232 interface



Installation menu



Satellite guide menu

Satellite searching

TELE-satellite Receiver Guide

Satellite DVB Receivers	Channel Memory	Symbolrate DVB-S DVB-S2	SCPC Compatible	DiSEqC	USALS Compatible	NTSC/PAL	Modulator Output	Looped-Through IF	SatcoDX Compatible	Power Supply	HDMI	Digital Audio Output	Audio/Video Output	Scart Output	S-VHS Output	Volt 0/12 Output	Positioner	Mechanical Polarizer	Hard Disk (Built-in)	Serial Interface	CI Slots	Embedded CA	TSI Magazine
	TV Radio	*Ms/sec*								*Volt Hertz*			*RCA*		*S-VHS*	*0/12 V*			*GB*				***Issue***
AB IP Box 250S PVR	10000	Up to 45 Ms/s	yes	1.0, 1.1, 1.2, 1.3	yes	PAL D/K, B/G, I	no	yes	no	**AC220V/ AC110V** 50Hz/60Hz	no	yes (S/PDIF)	yes	yes, 2	no	no	no	no	yes	yes, RS-232	no	yes, Xcrypt or Firecrypt	#199 2007
Arion AF-4000HDCI	4000	1-45 10-30	yes	1.0, 1.1, 1.2, 1.3	yes	NTSC/ PAL	no	yes	no	**AC100-240V** 50/60Hz	yes	yes	yes	yes, 2	no	no	no	no	no	yes, RS-23	yes, 2	no	#202 2008
ARION AF-8000HDCI	4000	1-45 10-30	yes	1.0, 1.1, 1.2, 1.3	yes	PAL D/K, B/G, I	no	yes	no	**90-250V** 50/60Hz 45W max	yes	yes (optical)	yes	yes, 2	no	no	no	no	no	yes, RS-232	yes, 2	no	#198 2007
EYCOS S80.12 HD	6000	2-45 10-31	yes	1.0, 1.2, 1.3	yes	NTSC/ PAL	no	yes	no	**95-250 VAC** 50/60Hz	yes	yes (S/PDIF)	yes	yes, 2	no	no	no	no	no	yes, RS-232	yes, 2	no	#201 2007
EYCOS S55.12 PVRH	8000	2-45	yes	1.0, 1.1, 1.2, 1.3	yes	NTSC/ PAL	yes, UHF	yes	no	**100-240 VAC** 50/60Hz	yes	yes (S/PDIF)	yes	yes, 2	yes	yes	no	no	yes	yes, RS-232	yes, 2	yes, Conax	#197 2007
FORTEC STAR MERCURY II	6000	2-45	yes	1.0, 1.1, 1.2, 1.3	yes	NTSC/ PAL	yes, VHF	yes	no	**100-120 VAC** 60Hz	no	yes (S/PDIF)	yes	no	yes	no	no	no	no	yes, RS-232	no	no	#195 2006
JIUZHOU DVS-2018BS Professional Decoder	!	2-45	yes	no	no	NTSC/ PAL	yes	yes	no	**87-265 VAC** 50/60Hz	no	yes	yes	no	no	no	no	no	no	yes, RS-232	yes, 2	no	#201 2007
JIUZHOU DTS1601	4800	2-45	yes	1.0, 1.2	yes	NTSC/ PAL	yes, UHF	yes	no	**90-240 VAC** 50/60Hz	no	yes (S/PDIF)	no	yes, 2	yes	no	no	no	no	yes, RS-232	no	no	#200 2007
MATRIX Planet	3200	2-45	yes	1.0, 1.2	no	NTSC/ PAL	yes RF	yes	no	**90-240 VAC**	no	no	yes	no	no	no	no	no	no	yes, RS-232	no	no	#196 2007
NanoXX 9400	8000	1-45	yes	1.0, 1.1, 1.2	yes	NTSC/ PAL	no	yes	no	**90-250V** 50/60Hz	no	yes (optical)	yes	yes, 2	no	no	no	no	no	yes, RS-232	yes, 2	Conax, X-Crypt	#202 2008
OPENSAT X7000CI	6000	1-45	yes	1.0, 1.2,	yes	NTSC/ PAL	yes	yes	no	**90-250V** 50/60Hz	no	no	yes	yes, 2	no	yes	no	no	no	yes, RS-232	yes, 2	no	#200 2007
TECHNISAT DigitSim S2	4000	2-45	yes	1.0, 1.2, 1.3	yes	NTSC/ PAL	no	no	no	**180-250 VAC** 50Hz	no	no	no	yes, 1	no	no	no	no	no	no	no	no	#201 2007
TECHNISAT DigiPlus STR1	5000	1-45	yes	1.0, 1.2	no	NTSC/ PAL	no	no	no	**180-250 VAC** 50Hz	no	yes (optical & coax)	yes	yes, 2	no	no	no	no	no	no	no	no	#199 2007
TECHNISAT Digit 4S	5000	1-45	yes	1.0, 1.2, 1.3	yes	NTSC/ PAL	no	no	no	**180-250 VAC** 50Hz	no	yes (optical & coax)	yes	yes, 2	no	no	no	no	no	no	no	no	#194 2006
TECHNOTREND S2-3650CI	unlimited	4-45	yes	1.0	no	NTSC/ PAL	no	no	no	**12 V**	no	no	no	no	no	no	no	no	no	no	yes	no	#201 2007
TECHNOTREND TT-micro S320 HDMI	!	2-45	yes	1.0	no	NTSC/ PAL	no	no	no	**12 VDC** or **230 VAC**	yes	yes (optical)	yes	yes, 2	no	no	no	no	no	no	yes	no	#201 2007
TOPFIELD TF6000PVRE	5000	2-45	yes	1.0, 1.1, 1.2, 1.3	yes	NTSC/ PAL	no	yes	no	**90-250 VAC** 50/60Hz	no	yes (S/PDIF)	yes	yes, 2	yes	no	no	no	yes	yes, RS-232	yes, 2	no	#198 2007
TOPFIELD TF7700HSCI	5000	2-45	yes	1.0, 1.1, 1.2, 1.3	yes	NTSC/ PAL	no	yes	no	**90-250 VAC** 50/60Hz	yes	yes (S/PDIF)	yes	yes, 2	no	no	no	no	no	yes, RS-232	yes, 2	no	#197 2007
TOPFIELD TF7700HSCI	5000	1-45	yes	1.0, 1.1, 1.2, 1.3	yes	NTSC/ PAL	no	yes	no	**90-250 VAC** 50/60Hz	no	yes (S/PDIF)	yes	yes, 2	no	no	no	no	yes	yes, RS-232	yes, 2	no	#196 2007
ZIMPLE BOX 3	1000	2-45	yes	1.0, 1.2	no	NTSC/ PAL	no	no	no	**AC 80-270V** 50/60Hz	no	no	yes	no	no	no	no	no	no	yes, RS-232	no	no	#202 2007

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Le bon choix pour une meilleure vie!

L'ascension d'Arion

Alexander Wiese

Nous avons déjà publié un rapport sur Arion il y a une année ; il s'agit d'un fabricant de haute qualité basé en Corée du Sud qui a entre temps adopté le slogan ci-dessus pour sa campagne de marketing. Nous avons voulu savoir ce qu'a développé Arion durant cette dernière année. A l'époque, le premier récepteur HD avait fait son apparition sur le marché. Aujourd'hui, Arion propose un nouveau terminal HD que nous présentons dans cette édition de Télé-satellite.

Thomas Roh, directeur des ventes et de marketing, nous explique, « ici à Séoul, nous avons 20% d'employés de plus que ceux que nous avions il y a une année. » ARION est une entreprise de cerveaux, c.-à-d., plus que la moitié de nos employés - actuellement 70 - travaillent dans la recherche et le développement.

La production de récepteurs satellite a lieu maintenant principalement à DongGuan, en Chine où nous avons 200 employés. Thomas est tout à fait optimiste au sujet de l'avenir : « Pour 2007 nous prévoyons que les ventes atteindront 80 millions de $US et pour 2008 nous pensons que nous briserons la barrière de 100 millions de $US. »

Selon Thomas Roh, « 50% de notre revenu viennent d'Europe, 20% d'Inde, 20% du Moyen-Orient et d'Afrique du Nord et 10% d'Amérique du Sud et d'Australie. » Thomas commente ces nombres : « Nous sommes impliqués non seulement dans des produits de haut de gamme, mais également activement occupés dans la conquête des marchés émergents. »

Il est parvenu à nous étonner avec cette petite friandise : « Nous avons récemment ouvert un bureau de vente à Buenos Aires,

▲ **Thomas Roh, directeur du département des ventes, dans son bureau. La revue Télé-satellite est toujours à sa portée**

Les deux étages inférieurs du bâtiment d'ARION sont sous-loués ; ce serait de l'espace supplémentaire pour une expansion future. Tous les étages restants sont entièrement occupés par ARION. La gestion se trouve au troisième étage tandis que les ingénieurs et les programmeurs avec tous leurs PC et analyseurs occupent les quatrième, cinquième et sixième étages.

Argentine. » Et ce n'est pas tout : « Nous prévoyons d'ouvrir des bureaux en Afrique du Sud et en Inde. » Arion considère les pays de l'ex Union Soviétique comme étant également un marché intéressant.

Nous avons questionné Casey Joo, directeur général du laboratoire de recherche et développement, quels modèles de récepteurs apportent à Arion ce succès : « 50% des récepteurs satellite ont des systèmes d'accès conditionnels incorporés tandis que 30% sont des unités FTA. »

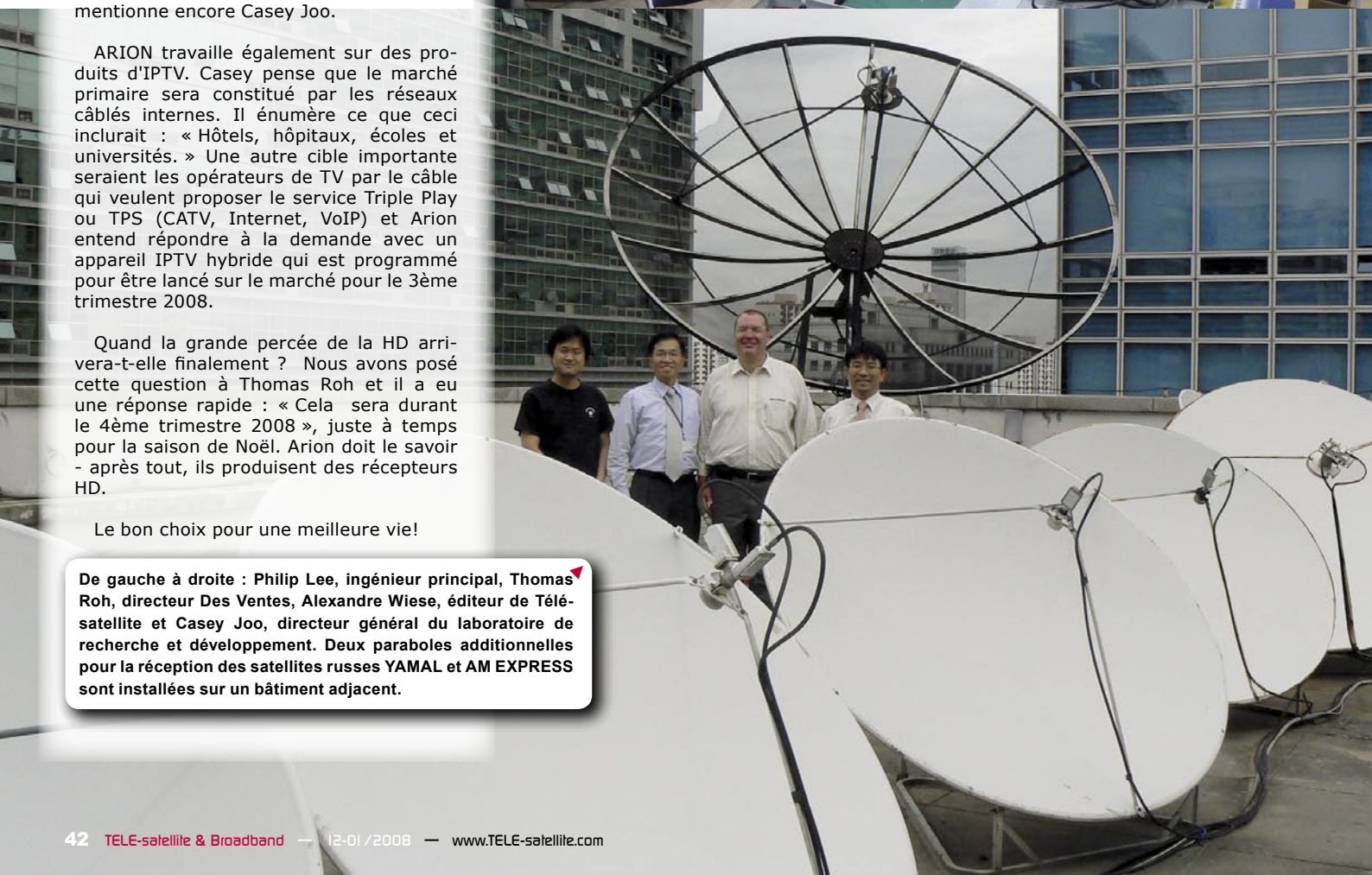
Thomas Roh nous a dit en outre, « bien que les récepteurs PVR ne représentent que le 20%, ils réalisent 40% de notre revenu. » Les PVR deviennent de plus en plus importants particulièrement ces modèles ayant des unités de disque dur externes et une interface SATA avec le récepteur. Le taux de transfert vers le disque dur doit être rapide en particulier lorsqu'il s'agit de signaux de TVHD. L'interface SATA est plus adaptée pour ceci.

Arion est également occupé à développer de nouveaux produits. Parmi ceux-ci on trouvera un récepteur ENTAVIO pour le marché allemand et un appareil combiné implémentant l'Irdeto pour le marché australien. Beaucoup de grands opérateurs du câble et de la télévision par satellite sont également des clients d'Arion, en Irlande, en Slovaquie, en Argentine et en Inde. « Nous travaillons aussi sur un PVR HD », mentionne encore Casey Joo.

ARION travaille également sur des produits d'IPTV. Casey pense que le marché primaire sera constitué par les réseaux câblés internes. Il énumère ce que ceci inclurait : « Hôtels, hôpitaux, écoles et universités. » Une autre cible importante seraient les opérateurs de TV par le câble qui veulent proposer le service Triple Play ou TPS (CATV, Internet, VoIP) et Arion entend répondre à la demande avec un appareil IPTV hybride qui est programmé pour être lancé sur le marché pour le 3ème trimestre 2008.

Quand la grande percée de la HD arrivera-t-elle finalement ? Nous avons posé cette question à Thomas Roh et il a eu une réponse rapide : « Cela sera durant le 4ème trimestre 2008 », juste à temps pour la saison de Noël. Arion doit le savoir - après tout, ils produisent des récepteurs HD.

Le bon choix pour une meilleure vie!



De gauche à droite : Philip Lee, ingénieur principal, Thomas Roh, directeur Des Ventes, Alexandre Wiese, éditeur de Télé-satellite et Casey Joo, directeur général du laboratoire de recherche et développement. Deux paraboles additionnelles pour la réception des satellites russes YAMAL et AM EXPRESS sont installées sur un bâtiment adjacent.

Sam Chang, directeur marketing sénior, nous montre leur collection impressionnante de certificats et de récompenses pour certains des produits exceptionnels d'ARION. Il organise également les présences d'ARION dans les expositions commerciales. Il nous explique, « en 2008 nous serons à ANGA et à l'IBC. »

M. Han est le directeur de développement du HD 4000. Ce récepteur satellite de haute définition HD 4000 est présenté dans cette édition de Télé-satellite.

Des nouveaux produits sont testés ici. Des récepteurs de production en série sont également vérifiés ici pour s'assurer qu'ils fonctionnent dans les limites de leurs spécifications.

Casey Joo, directeur général du laboratoire des recherches et développement nous montre le récepteur DVB-M en état de marche produit-par-ARION et destiné au marché japonais d'ISDB-T. ARION a installé un petit générateur de flux ISDB-T dans son laboratoire pour les pouvoir faire les essais correspondants. Actuellement, l'ISDB-T est seulement disponible au Japon.

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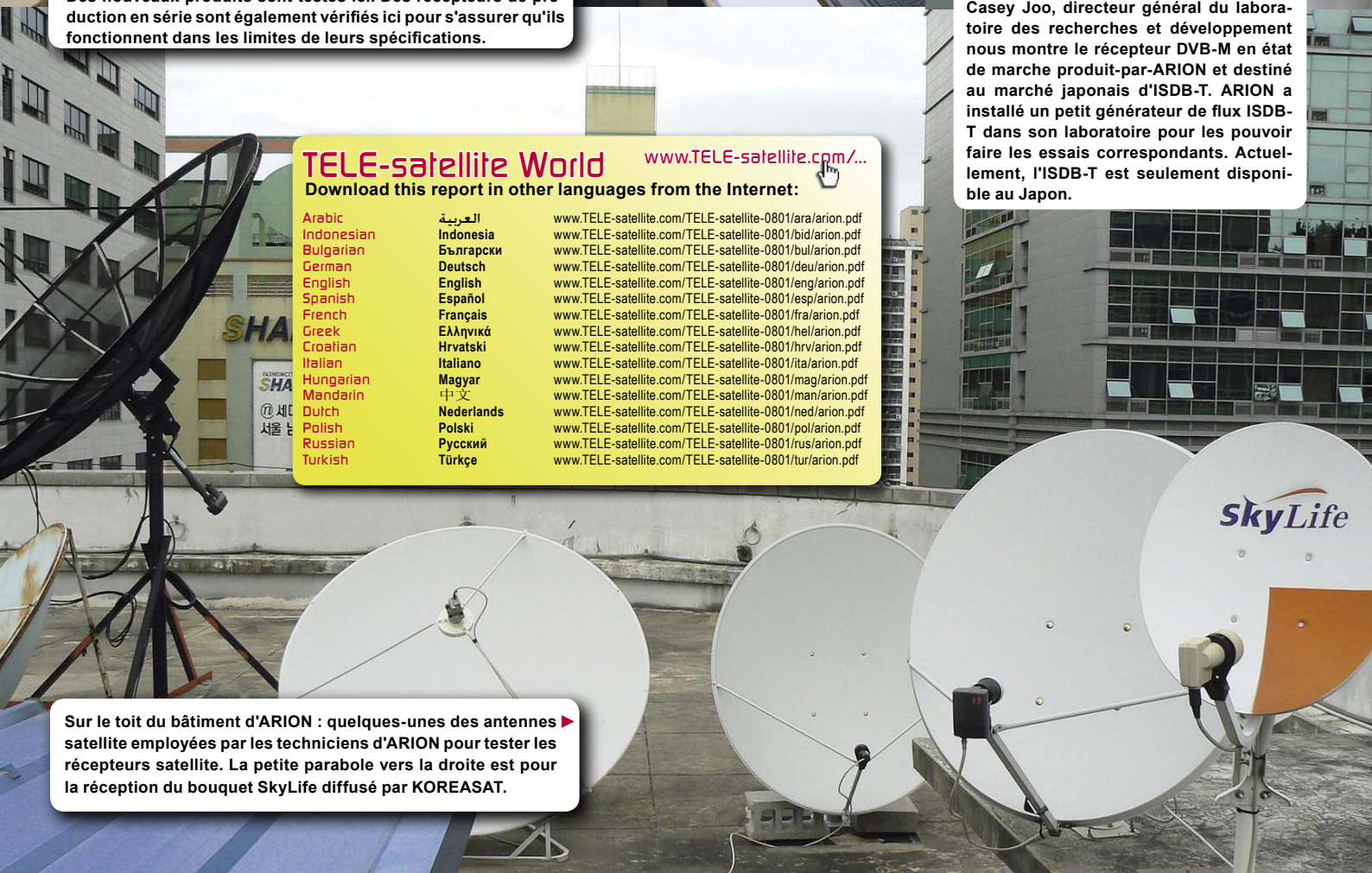

Sur le toit du bâtiment d'ARION : quelques-unes des antennes satellite employées par les techniciens d'ARION pour tester les récepteurs satellite. La petite parabole vers la droite est pour la réception du bouquet SkyLife diffusé par KOREASAT.

La Reine et HORIZON

▲ **Paul Pickering, propriétaire et directeur général d'HORIZON, reçoit la récompense de sa majesté la Reine.**

▲ **John McLoone montrant le certificat de la récompense de la Reine : signé par « Elizabeth la Reine » et Tony Blair.**

Que devez-vous faire pour être reçu par sa majesté la reine ? C'est en réalité très simple : devenir la meilleure entreprise d'exportations du pays. Le fabricant britannique d'instruments de mesure HORIZON s'est vu être décerné en 2007« la récompense de la Reine pour l'esprit d'entreprise » dans le commerce international, ceci était une raison suffisante pour Télé-satellite de rendre une visite à HORIZON - un an exactement après la dernière (voir l'édition Télé-satellite 01/2007).

Cette fois-ci, nous sommes allés à Harlow, dans le nord de Londres, dans le comté d'Essex. C'est ici que le propriétaire et le directeur général d'HORIZON Paul Pickering a acheté une parcelle de terrain comprenant un grand entrepôt, et a créé ainsi la base pour la croissance future d'HORIZON.

En fait, HORIZON a connu une croissance remarquable dans le passé et ainsi compte actuellement douze employés et recherche également trois ingénieurs supplémentaires, selon John McLoone, directeur de ventes d'horizon.

Ainsi nous avons voulu savoir ce qui s'est passé depuis notre dernière visite, une question à la laquelle John répondit en nous montrant les récents chiffres de ventes : « En 2003 nous avons eu un chiffre d'affaires de 3 millions de GBP, qui avait augmenté à 4 millions en 2006, et pour 2007 nous pensons arriver à 4.5 millions, alors que la prévision pour 2008 est 5.5 millions de GBP. »

HORIZON est en effet une société tournée essentiellement à l'exportation qui réalise seulement 7 pour cent de son chiffre d'affaires annuel dans son pays d'origine. « La plus grande partie dudit chiffre est généré en Amérique », nous dit John et par ceci il entend environ 60%. Les 33 pour cent restants sont proviennent du reste du monde. Les « marchés émergents font des sauts énormes vers l'avant, par exemple la Chine, l'Inde et la Russie, » ajoute John. La télévision via le câble est très répandue dans ces pays et la transition vers le numérique exige des instruments de mesure afin de déployer et d'entretenir les réseaux de distribution en fonctionnement. La vente de nos instruments de mesure implique une quantité considérable de conseils, et c'est là où l'extraordinaire service après-vente d'HORIZON entre en jeu. Sans compter d'emblée, l'énorme savoir-faire qui est nécessaire pour développer des instruments de mesure. D'ailleurs, l'expertise d'HORIZON se retrouve dans de nombreux noms de marque, car « les 85 pour cent de notre production sont des produits OEM, » explique John.

En 2008 HORIZON mettra sur le marché une gamme entière de nouveaux produits. Durant le premier trimestre on verra le premier système de mesure de HORIZON pour le DVB-C, et le premier dispositif de DVB-données, qui mesure le débit dans la bande KA en 8PSK comme il est proposé par Wildblue en Amérique du Nord - Ce mode de transmission est connu sous le nom de `Turbo.' EUTELSAT aussi transmet actuellement les premières émissions d'essai de ce service d'Internet-par satellite en Europe.

Plus tard dans le courant de l'année, HORIZON présentera son premier système de mesure DVB-S2 et pour le deuxième trimestre il y aura dans les magasins un multimètre pour DVB-T et DVB-S2. Également prévu pour le deuxième trimestre est la série Pro-Range pour les professionnels.

La reine avait absolument raison d'honorer HORIZON. Les nombreuses activités de cette compagnie l'aideront à garder le dessus pendant longtemps encore!

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▲ Le nouveau siège social de la compagnie HORIZON est maintenant situé dans Harlow, Essex. Le drapeau bleu au-dessus de la porte symbolise l'attribution de la récompense de la Reine.

▲ Vue de la salle de recherches où des instruments de mesure sont développés. En avant-plan : Gerrard Smallwood, ingénieur de conception. Derrière : Paul Hardcastle, directeur technique. « Nous croyons que nous sommes le premier fabricant des multimètres pour satellite dont les instruments sont certifiés EMC par un laboratoire BSI indépendant ». Ceci signifie que les produits d'HORIZON sont blindés contre les interférences électromagnétiques selon la norme européenne BS EN 61326. Gerrard Smallwood ajoute encore « naturellement, nos instruments sont également certifiés d'un point de vue technique, par exemple selon la norme BS EN 61000 contre les décharges électrostatiques. »

▲ Top secret ! Les premiers échantillons des ProSeries pour des radiodiffuseurs, par exemple pour l'usage dans des fourgons OB afin de vérifier la qualité de signal. Le petit appareil sur le dessus est le TSR ou Transport Stream Reader, aussi avec des caractéristiques de la série Pro.La série Pro sera lancée durant le deuxième trimestre de 2008.

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Prêt pour la HD - Topfield prend les devants

Alexander Wiese

Le bâtiment de Topfield à Seohyeon, une ville au Sud de Séoul, près de la station de métro le la ligne 4, qui s'arrête en plein milieu de l'énorme centre commercial "Samsung plaza"

David Choi prévoit une grande augmentation des ventes pendant l'année prochaine : «On prévoit que pendant 2008 les ventes de récepteurs Topfield HD vont augmenter de jusqu'à 40%, comparé aux 10% en 2007. » David Choi est directeur des ventes chez Topfield, et il nous a convaincus que ses prévisions se réaliseront. « Nous sommes en cours de nous affirmer sur des nouveaux marchés », explique David Choi. Il a ainsi mentionné les marchés de l'Amérique latine, de l'Asie du Sud-est, de l'Australie, et tous les marchés d'Europe.

Topfield a été fondé en 1998 et a commencé à exporter des produits en 2000. Topfield s'est fait une renommé en 2002 avec le premier double PVR et à nouveau en 2006 avec le premier PVR à liaison WLAN, le TF6000PVR. Les ventes ont continuellement augmenté depuis : tandis qu'en 2003 on comptabilisait 49 millions de $ US, en 2004 ce chiffre s'est élevé à 80 millions de $ US et a ensuite passé à 102 millions de $ US en 2006. Des ventes atteignant 170 millions de $ US sont prévues pour 2007 et pour 2008 elles pourraient atteindre 270 millions de $ US.

Les plus grandes ventes pour Topfield sont réalisées en Australie et sur tous les marchés d'Europe. « Cependant, les ventes en Asie, au Moyen-Orient et en Amérique latine augmentent sans discontinuer tout aussi bien, » explique David Choi. En plus des récepteurs satellite, Topfield fabrique également des systèmes pour la réception IPTV.

La production a lieu dans deux installations industrielles en Corée du Sud et deux sites industriels de fabrication outre-mer. Explique David Choi : « Une installation de fabrication additionnelle est située en Thaïlande. »

À Séoul il y a 150 employés dont 80 sont des ingénieurs occupés dans la recherche et le développement, avec encore 35 ingénieurs dans le développement de produit,

plus 25 employés de vente et 10 occupés dans la gestion. Une succursale en Allemagne prend soin des ventes en Europe.

Topfield est activement impliqué dans les expositions commerciales bien que n'exposant pas toujours sur leur propre stand à l'exposition même, mais dans un hôtel voisin au lieu de l'événement. David Choi explique, « à gardant une certaine distance de l'exposition commerciale même, nous sommes plus au calme et ceci nous permet de nous concentrer sur les entretiens avec nos clients. »

David Choi nous apprend que Topfield sera présent à l'IBC en Hollande, l'ANGA en Allemagne, la CabSAT à Dubaï, l'IFA en Allemagne, la CeBIT en Turquie, l'ABTA au Brésil, la SEMIC en Espagne, à Antennes en France et la CSTB en Russie.

Topfield affirme vraiment sa présence dans chaque pays et chaque continent !

▲ David Choi (à droite), directeur des ventes chez Topfield, avec Alexander Wiese (à gauche), rédacteur-en-chef de Télé--satellite

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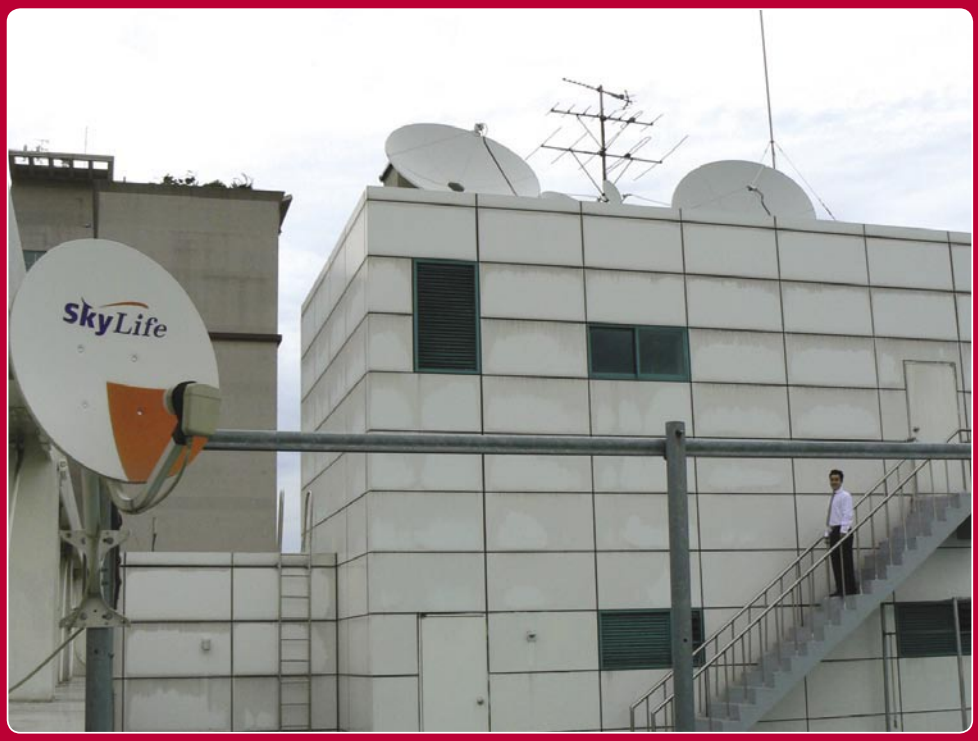
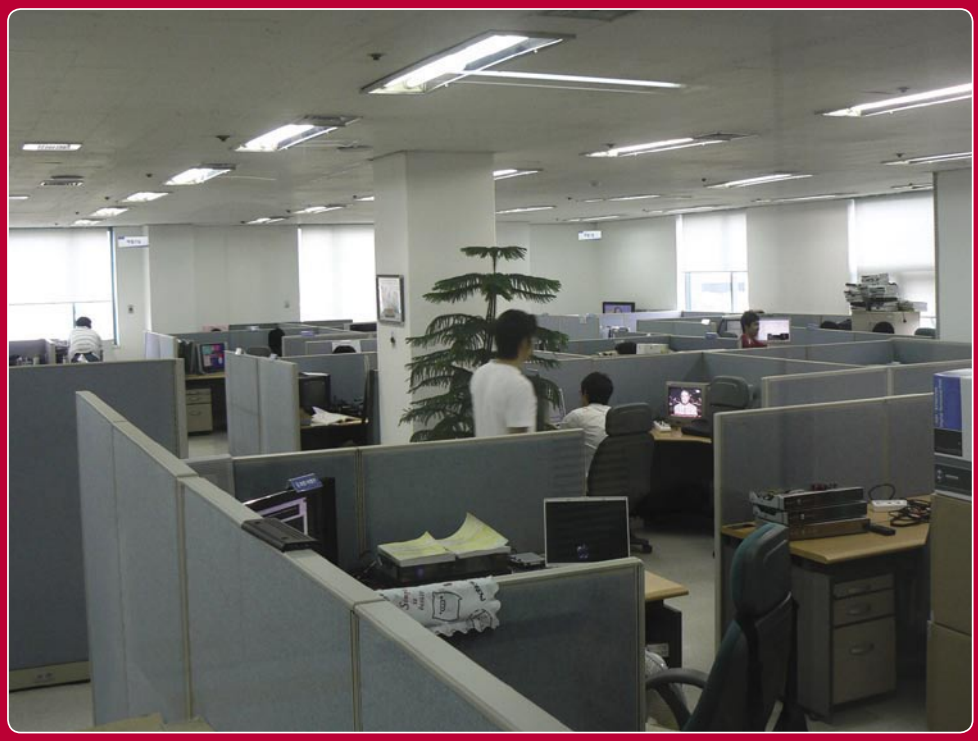
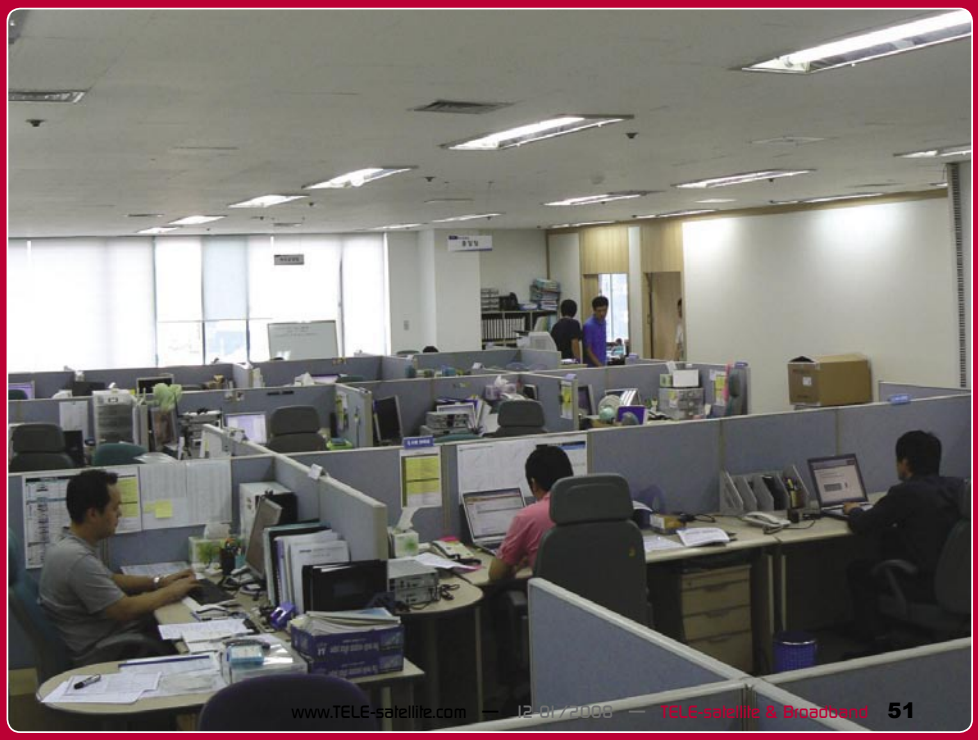
David Choi sur le toit du bâtiment de Topfield. Une petite antenne peut être aperçue à gauche utilisée pour la réception de SkyLife sur KOREASAT ainsi que d'autres antennes.



L'équipe de ventes prend soin des affaires



Ici des ingénieurs travaillent au développement des futurs récepteurs satellite Topfield.



SAMMEG, Johannesburg

« Profitez pleinement des occasions qui se présentent » est certainement la devise de Joël Dorfan. Cette devise ne s'applique pas seulement aux circonstances qui ont mené à la création de SAMMEG Satellite Pty Ltd, mais aussi aux produits que propose SAMMEG sous le nom de sa marque SAMSAT. Le tout a commencé en 1994.

En cette époque, le projet de télévision cryptée DSTV venait de débuter. Un des revendeurs reconnut ceci comme une grande opportunité et a commandé un plein container de paraboles de 90 cm mais pour finir n'était pas en mesure de les payer. Joël Dorfan a eu vent de ceci et décida

Dans la zone industrielle « Industria West » à Gauteng au nord de Johannesburg, se trouve le bâtiment administratif de SAMMEG Satellite Pty Ltd. Les entrepôts se situent à gauche et ne sont pas visibles ici et à l'arrière se trouve l'usine qui produit la gamme d'antennes terrestres "Aerial King ».

Joël Dorfan est le PDG de SAMMEG Satellite Pty Ltd et en même temps directeur technique. In on le voit sur le toit de son bâtiment administratif en train d'ajuster une parabole. Le nom de marque « Aerial King » est utilisé pour les antennes terrestres produites pas SAMMEG Satellite Pty Ltd. La parabole à droite porte le logo SAMSAT.

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Un des trois partenaires est Sean Meadows, directeur général de SAMMEG Satellite Pty Ltd.

à capter les services payants de DSTV sur INTELSAT 7/10 par 68,5° Est.

Les grands supermarchés, les abonnements sont vendus avec un bon pour l'installation. « Il y a des journées où notre centre d'appels reçoit des centaines d'appels », explique Joël. Ceux qui nous appellent, souhaitent valider leurs bons pour se faire installer chez-eux le système de réception par l'un des installateurs agrées par SAMMEG Satellite Pty Ltd.

Joël est né au Zimbabwe et y a vécu pendant 17 ans avent de venir en Afrique du Sud. Il nous a confié que les 90% de ses ventes se réalisent dans le pays et les 10% restants sont exportés vers le Zimbabwe, Botswana et Namibie.

Il estime que sur une population de 40 millions, 1,3 millions de ménages en Afrique du Sud disposent d'une réception satellitaire. SAMMEG Satellite Pty possède immédiatement d'investir dans le commerce du satellite. Une chose menant à l'autre, la SAMMEG Satellite Ltd a été fondée ensemble avec trois autres partenaires.

Durant la première année il y a eu deux pleins conteneurs de matériel satellite que la jeune entreprise a réussi à revendre. « En 2006 ce matériel représentait plus de 50 conteneurs », explique Joël, un radio amateur connu sous le sigle ZS6CBA.

SAMMEG Satellite Pty est un grossiste et propose aux revendeurs, magasins de détail et autres installateurs toute la gamme de produits, depuis les paraboles et LNB, aux récepteurs et tous les accessoires nécessaires, y compris des fiches, commutateurs, mâts ou analyseurs de signaux. 90% des paraboles vendues sont des modèles de 60 cm et le reste représente des antennes de 90 cm. La plupart de ces antennes servent

Joël Dorfan avec sa réceptionniste Sania, qui salue chaque visiteur avec un sourire et s'occupe aimablement des appels téléphoniques.

Une vue de l'usine où sont produites les antennes terrestres. « C'est fou », nous dit Joël, « pour nous, c'est moins cher d'importer des sections d'antenne prédécoupées depuis la Chine fabriquées avec de l'aluminium provenant de l'Afrique du Sud, que de le fabriquer nous-mêmes ». La matière brute en aluminium est plus chère dans le pays que celle qui est travaillée et réimportée.

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- Faster processor with recall of last selection used
- New manual carrier configuration mode
- Twice the satellite setting capacity with 64 selections available
- Lock indication within 100ms of acquiring the satellite
- Custom program files available on request (e.g. VSAT)
- L-Band, C-Band, Ku-Band and Ka-Band capability
- Quality indicator (Pre BER) displayed alongside RF Level (dBuV)
- Pre and Post BER can be displayed with their actual values (setup option)
- Toggle to display Post BER and Carrier to Noise (dB)
- DiSEqC switch commands (available from sub menu)
- Symbol rates 2Msymb to 45Msymb
- Frequency range 950 to 2150MHz
- Input impedance 75 Ohms
- LNB Pass / Fail test function
- LNB short circuit protection
- Satellite cable integrity test
- Upgradeable firmware
- Intelligent internal AC charger 100 to 240 V AC
- Automatic fast and trickle charge modes
- 12 volt in car charger supplied
- USB lead supplied
- CE approved
- Compliant with EN 61326-1 : 2006 (EMC) and EN 61010-1 : 2001 (Electrical safety)
- Registered design
- Free product support via phone and email

HDSM USB PLUS (additional features)

- Easy to use Spectrum Display Mode
- QPSK Constellation Diagram (with zoom function)
- Histogram display with up to 9 simultaneous carrier measurements for single cable installations (SCR)
- Data Logging (upload installation measurement data to your PC)

HORIZON DIGITAL TERRESTRIAL METER (HDTM)

- Displays Signal Strength (RF level) with DVB-T indicator.
- Fast and accurate Pre BER readings in real time for easier antenna pointing using the built in CODFM indicator for quality of service.
- Can store up to 32 transmitter selections (via our web site downloads) a default of UHF 21 – 69 step through is preloaded.
- Built in intelligent universal mains charger 100 – 240V AC (CE approved) with V delta detection for fast and then trickle charging.
- Minimum run time of 5 hours with a full charge on the 2400 mAh NiMH battery.
- Computer interface: Serial Port (Com 1-4) for upgradeable software on transmitters.

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des magasins dans trois emplacements : Johannesburg, Le Cap et Durban.

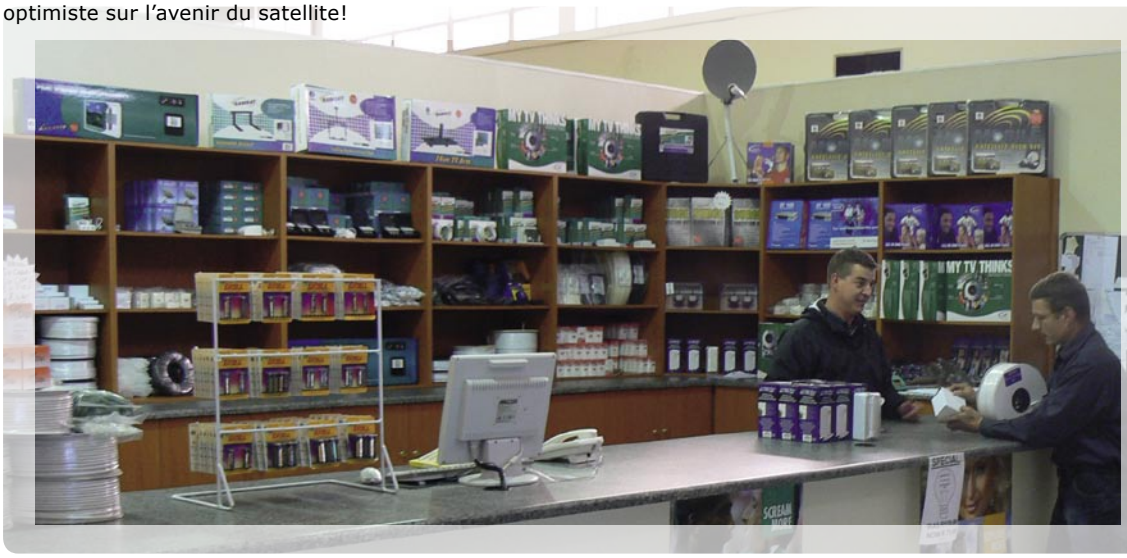
Sean Meadows, directeur général et aussi responsable des finances, nous donne encore quelques détails : « Nous fournissons quatre des grandes chaînes de distribution en Afrique du Sud et aussi environ 500 revendeurs et installateurs individuels ».

SAMMEG Satellite Pty Ltd occupe plus de 100 employés dans la fabrication d'antennes VHF/UHF, dans ses entrepôts et dans la vente. D'autres employés encore sont à l'œuvre dans les trois magasins.

Quels sont les projets d'avenir de Joël ? Il souhaite intensifier sa présence dans le commerce du VSAT ; il pense que l'avenir est assez intéressant dans ce domaine, par exemple, pour les communications duplex pour des fournisseurs de services Internet.

La coupe du monde de Football qui aura lieu à Johannesburg en 2010 le rend très optimiste sur l'avenir du satellite!

SAMMEG Satellite Pty Ltd a inauguré récemment des bureaux dans la banlieue de Village Deep. Avant que SAMMEG y déménage le bâtiment abritait la succursale d'une banque. La chambre forte est maintenant utilisée pour entreposer en toute sécurité les récepteurs PVR.



Dans le magasin de SAMMEG au centre ville, un installateur peut trouver tout ce qu'il lui faut. Derrière l'étal on aperçoit le gérant du magasin Steven Kirsten en train de vendre une bobine de câble coaxial à Ingo Salomon
Qui pose comme client dans cette photo. Ingo Salomon opère les stations AutoScan de SatcoDX
Johannesburg 4 et 5; Joël Dorfan la station AutoScan Johannesburg 2.

Une vue du département des expéditions. Ici, les commandes des clients sont rassemblées et préparées pour l'enlèvement.

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SEKI SATELLITE, Seoul

« Seki » est un mot coréen qui librement traduit signifie « le siècle ». SEKI SATELLITE est une compagnie coréenne qui représente tout au sujet du siècle des satellite. Un nom assez intéressant pour nous donner une raison de leur rendre visite.

Nous les avons trouvés dans la banlieue de Jung-Gu pas trop loin du centre de Séoul. Le fondateur et le propriétaire est Oh Hwan Jung. « J'ai mis sur pied la société en 1989 où j'ai commencé par ériger des antennes », il nous explique en se remémorant ces débuts. En attendant la compagnie a grandi et emploie maintenant trois techniciens et six membres dans l'équipe des ventes. Tant de personnes pour la vente ? « Aujourd'hui nous sommes plutôt un grossiste du satellite », commente Oh Hwan Jung. Il estime qu'il expédie environ 60% des composants satellite vendus en Corée du Sud. Ceci fait de SEKI SATELLITE le leader du marché.

Eui-Jin Kim est le directeur technique et se précipite vers le PC le plus proche pour filtrer et imprimer à travers leur Intranet les derniers chiffres des ventes. Considérant un mois spécifique, nous pouvons voir que SEKI SATELLITE est dans en première place pour les ventes du récepteur SKC-8000 FTA. « C'est un modèle du fabricant coréen Jiwoo », explique Eui-Jin Kim. Les statistiques ont prouvé que 720 de ces derniers ont été vendus en un mois et ont de ce fait composé 8.17% de leurs ventes.

Juste derrière cela et avec 6.26% se trouve le bon-vieux connecteur « F » dont on aurait expédié 552 pièces durant ce mois.

Pas très loin de la station du métro Yaksu, où les lignes 3 et 6 se croisent, on trouvera les bureaux de SEKI SATELLITE. Ils sont également agents pour les services de télévision à péage diffusée tout ménage, de l'opérateur coréen Sky-Life.

Oh Hwan Jung est fondateur et le propriétaire de SEKI SATELLITE, un des plus grands grossistes satellite en Corée du Sud.

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Une vue de la salle d'exposition et de vente. Ici les clients peuvent obtenir des informations sur le bouquet de télévision à péage SkyLife aussi bien que connaissances sur le sujet de recevoir les chaînes internationales.

SEKI SATELLITE répare encore des récepteurs manuellement. Ici un technicien est occupé dans son travail de réparation.

En troisième place vient un système complet d'antenne de 60cm avec la parabole et le LNB. « Ce système est utilisé pour la réception des canaux en clair sur KOREASAT 5 », nous a-t-on appris. Les clients pour la réception du bouquet de télévision à péage sur ce satellite obtiennent leur système complet par le fournisseur SkyLife. « Nous sommes également un distributeur pour SkyLife », commente Eui-Jin Kim, « mais ces ventes ne sont pas incluses dans cette statistique. »

D'autres best-sellers chez SEKI SATELLITE sont les combinateurs satellite et câble. En examinant les ventes des antennes satellite, on constate que le modèle de 60cm est en haut de la liste suivie de celle de 90cm, de 75cm, et de en quatrième position l'antenne de 1.8 mètre.

SEKI SATELLITE propose également des composants pour la réception du satellite japonais BSAT qui transmet encore en analogique. « une antenne de 45cm est suffisante pour la réception au Nord de la Corée du Sud bien qu'ici à Séoul cela soit presque impossible. » La zone de couverture du satellite BSAT est très étroite. « Pour BSAT nous vendons des LNB avec une LOF de 10.678 Gigahertz », remarque Eui-Jin Kim. Pour la réception de KOREASAT sont employés des LNB avec une LOF de 10.750 gigahertz. Avec tant de différentes variations, les employés de SEKI SATELLITE doivent savoir exactement ce qui convient le mieux à chaque client.

La plus grande partie de leurs ventes, « approximativement 60% », commente encore Eui-Jin Kim, vient des fournitures en gros, « les autres 40% proviennent des installations de réception satellite et systèmes de SMATV. »

Enfin et surtout nous avons voulu savoir d'où SEKI SATELLITE obtient les divers composants. En plus des récepteurs FTA de Jiwoo, ils proposent également les appareils haut de gamme d'Arion. « La plupart de nos paraboles viennent de JONSA de Taiwan », explique Eui-Jin Kim, « seulement les antennes de 45cm sont fabriquées ici en Corée du Sud. » Les antennes plus grandes, ajourées sont obtenues de Thaïlande. « Nous sommes très satisfaisants avec les composants DiSEqC de Spaun », nous affirme encore Eui-Jin Kim qui continue, « il est malheureux que seuls 30 faisceaux satellite puissent être captés ici en Corée du Sud, autrement notre commerce satellite serait bien plus intéressant ! »

Eui-Jin Kim est directeur commercial technique et aussi le responsable des antennes satellite sur le toit du bâtiment SEKI SATELLITE. La grande parabole de 3 mètres à l'arrière-plan munie de LNB pour les bandes C/Ku est toujours en mouvement pour contrôler la réception. « J'étudie toujours les diagrammes de SatcoDX pour voir le cas échéant si des nouvelles stations sont apparues », déclare Eui-Jin Kim.

Satellite Beams Covering Seoul/Korea

Satellite	INTELSAT 10 068.6° East	INTELSAT 7,10	ABS-1 075.0° East	ABS-1	TELSTAR 10 076.5° East	TELSTAR 10	TELSTAR 10 076.5° East	TELSTAR 10
Position		68.5E		75.0E		76.5E		76.5E
Band		C		KU		C		KU
Beam		INT010CV		ABS001SB		TEL010CG		TEL010KB
Dish size		1.8-2.4m		>0.9m		>1.8m		>1.2m
FTA-TV		40		16		25		14
Pay-TV		72		0		17		32
Satellite	THAICOM 5 078.5° East	THAICOM 2/5	EXPRESS AM-2 080.0° East	EXPRESS AM2	INSAT 2E 83.0° East	INSAT 2E	CHINASTAR 1 87.5° East	CHINASTAR 1
Position		78.5E		80.0E		83.0E		87.5E
Band		C		C		C		C
Beam		THA005CG		EXPAM2CR		INS02ECZ		CHI001CB
Dish size		2.4m		1.6m		1.8m		1.8m
FTA-TV		28		47		29		2
Pay-TV		33		3		5		6
Satellite	YAMAL 201 090.0° East	YAMAL 201	MEASAT 3 091.5° East	MEASAT 1,3	INSAT 3A 093.5° East	INSAT 3A	NSS-6 095.0° East	NSS6
Position		90.0E		91.5E		93.5E		95.0E
Band		C		C		C		KU
Beam		YAM201CB		MEA003CG		INS03ACE		NSS006IN
Dish size		1.8m		1.8m		1.8m		0.9m
FTA-TV		32		5		17		7
Pay-TV		1		2		0		5
Satellite	ASIASAT 2 100.5° East	ASIASAT 2	ASIASAT 2 100.5° East	ASIASAT 2	EXPRESS A2 103.0° East	EXPRESS A2	EXPRESS A2 103.0° East	EXPRESS A2
Position		100.5E		100.5E		103.0E		103.0E
Band		C		KU		C		KU
Beam		ASI002CB		ASI002KU		EXPA02C2		EXPA02KS
Dish size		1.6m		1.6m		1.6m		1.6m
FTA-TV		60		1		2		1
Pay-TV		15		0		5		1
Satellite	ASIASAT 3S 105.5° East	ASIASAT 3S	BSAT 1A 110.0° East	B-SAT 1A	BSAT 2A 110.0° East	B-SAT 2A	KOREASAT 2 113.0° East	KOREASAT 5
Position		105.5E		110.0E		110.0E		113.0E
Band		C		KU		KU		KU
Beam		ASI03SCB		BSA01AKB		BSA02AKB		KOR002KB
Dish size		1.6m		1.6m		0.45-2.4m		0.45m
FTA-TV		49		2		10		6
Pay-TV		1		0		0		0
Satellite	PALAPA C2 113.0° East	PALAPA C2	KOREASAT 3 116.0° East	KOREASAT 3	THAICOM 1A 120.0° East	THAICOM 1A	ASIASAT 4 122.0° East	ASIASAT 4
Position		113.0E		116.0E		120.0E		122.2E
Band		C		KU		C		C
Beam		PAL0C2CA		KOR003KB		THA01ACR		ASI004CB
Dish size		4.2m		0.45m		1.8m		1.6m
FTA-TV		5		9		7		12
Pay-TV		0		134		0		22
Satellite	ASIASAT 4 122.0° East	ASIASAT 4	JCSAT 4A 124.0° East	JCSAT 4A	JCSAT 3 128.0° East	JCSAT 3	JCSAT 3 128.0° East	JCSAT 3
Position		122.2E		124.0E		128.0E		128.0E
Band		KU		KU		C		KU
Beam		ASI004KE		JCS04AKJ		JCS003CA		JCS003KJ
Dish size		1.6m		0.9m		1.2m		0.9m
FTA-TV		0		5		12		2
Pay-TV		30		71		32		180
Satellite	APSTAR 6 134.0° East	APSTAR 6	APSTAR 5 - TELSTAR 18 138.0° East	TELSTAR 18	EXPRESS AM-3 140.0° East	EXPRESS AM3	AGILA 2 146.0° East	AGILA 2
Position		134.0E		138.0E		140.0E		146.0E
Band		C		C		C		C
Beam		APS006CB		APS005CB		EXPAM3C6		AGI002CA
Dish size		1.8m		1.8m		1.6m		1.8m
FTA-TV		29		6		4		8
Pay-TV		0		20		8		0
Satellite	INTELSAT 8 166.0° East	INTELSAT 8	INTELSAT 8 166.0° East	INTELSAT 8				
Position		166.0E		166.0E				
Band		C		KU				
Beam		INT008CV		INT008KS				
Dish size		1.6m		0.9m				
FTA-TV		17		12				
Pay-TV		12		24				
Satellite	INTELSAT 2 169.0° East	INTELSAT 2	INTELSAT 2 169.0° East	INTELSAT 2				
Position		169.0E		169.0E				
Band		C		KU				
Beam		INT002CP		INT002KC				
Dish size		1.8m		0.9m				
FTA-TV		14		3				
Pay-TV		11		3				

▲ Compiled by Eui-Jin Kim, SEKI SATELLITE, Seoul, Korea
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Emplettes d'équipement satellite en Chine

La majorité de produits satellite sont fabriquées en Chine. Pour cette raison Télé-satellite a voulu examiner ce qu'il en est que d'acheter des produits satellite en Chine-même étant donné que la vente d'équipement satellite au secteur privé y est officiellement illégale. Par conséquent, il ne devrait pas exister beaucoup de magasins vendant de l'équipement satellite en Chine, n'est-ce pas ?

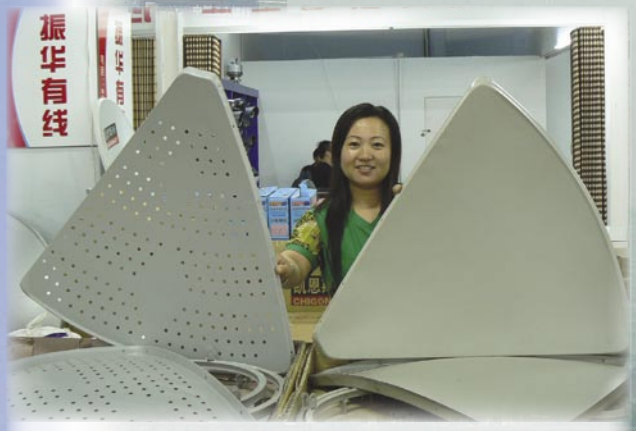
En fait, il en existe un nombre considérable ! Un initié nous a expliqué comment cela ce fait : « Une entreprise obtient l'autorisation de vendre des composants satellite aux sociétés professionnelles. Elle obtient de ce fait un certificat officiel qui est accroché de façon à être bien en évidence dans le magasin. Ensuite, un inspecteur vient pour vérifier et s'assurer que les particuliers ne pourront pas acheter les produits satellite proposés. »

Il y a d'autres obstacles encore : ce n'est pas très bien connu qu'une antenne satellite permet de capter un grand nombre de canaux additionnels. Et avec la tendance en Chine de faire des choses en communauté plutôt qu'individuellement, la technologie de la télévision via le câble s'est maintenant largement implantée.

Les communautés de villes et de villages parviennent à un accord, installent un système de réception satellite simple et distribuent les signaux soit par l'intermédiaire d'un réseau câblé ou par l'intermédiaire du MMDS à tous les ménages, cependant ce dernier est sur le point d'être discontinué très bientôt. Ceci laisse très peu de place pour des expérimentations ou la réception à grande distance ; au lieu de cela, seuls les canaux gérés par l'Etat ainsi que les nombreux canaux provinciaux ou locaux peuvent être captés. Habituellement, une liaison au câble coûte RMB 150 par an (approximativement 15 euros), alors qu'un ensemble complet de réception satellite couterait à un téléspectateur chinois la somme d'environ RMB 500 (approximativement 50 euros) – ceci pour toute une vie.

Par conséquent, les produits proposés dans les magasins d^équipement satellite sont la plupart du temps adaptés vers ce groupe de TV par le câble, c.-à-d., la réception satellite orientée à une communauté plutôt que la réception individuelle. Mais ceci signifie également qu'un adepte du satellite n'aura aucun problème pour acquérir les composants satellite nécessaires bien que ceci soit officiellement interdit.

Au moins pour l'instant. Il est très probable qu'avec le lancement de CHINASTAR par 115.5° Est et de SINOSAT par 125° Est ces lois deviendront plus permissives.



▲ Mme Guo de la Zhen Hua Corporation nous montre deux variations de leurs antennes segmentées : complètement pleines et ajourées. La dernière variante est recommandée quand la charge du vent doit être prise en compte. Elle nous explique, « nous vendons entre 100 et 1000 paraboles par mois. » Elle propose les tailles de 1.2 mètres et de 1.5 mètres.

▲ Au quatrième étage de ce centre commercial d'équipement électronique dans une ville de la Chine orientale, un amateur du satellite peut trouver tout ce que son cœur désire. Non seulement des paraboles comme on peut voir ici en avant plan, mais tous les LBD imaginables pour les bandes Ku et C, des commutateurs DiSEqC, des récepteurs satellite et des kilomètres de câble coaxial.

▲ Mr. Yan from the DeLong Corporation shows us TELE-satellite and explains, "We sell roughly 500 1.2-meter antennas and about 300 1.5-meter antennas every month. But we also have months where that number reaches 1000!"

▲ La vieille tour de Télévision dans une ville de la Chine orientale. Tout en haut le restaurant tournant est encore en fonction et il est très fréquenté. Il y a même une antenne satellite sur le toit.

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▲ Mme Weng dans son petit magasin satellite. Elle nous explique, « je vends 200 à 300 antennes chaque mois. » Elle propose également des antennes jusqu'à 12 mètres de diamètre. Mais la majorité de ses ventes sont réalisées sur des systèmes de distribution par câble.

▲ L'entrée au magasin satellite de M. Tom.

▲ C'est… nous l'appellerons M. Tom ; il préfère ne pas voir son nom réel rendu public. Pendant les huit dernières années il tient un magasin de vente en gros et au détail dans une ville en Chine orientale. Il a sept employés plus des installateurs additionnels qui sont mobilisés dès qu'il y a du travail pour eux. Son produit le plus vendu est l'antenne de 1.5 mètre. « Elles représentent les 80% de mes ventes. » 5% des antennes qu'il vend ont un diamètre de 1.8 mètre et 2% font la taille de 2.4 mètres de diamètre. Le voici qui nous montre un modèle de 75cm bien que cette taille compose seulement 2% de ses ventes. Comme on peut voir sur les étagères, il tient également une grande variété de démodulateurs pour le des récepteurs satellite.

▲ Ici, on peut voir M. Yin avec sa solution faite maison pour la réception des trois satellites SINOSAT 3 (à gauche), CHINASTAR 6B (au centre) et ASIASAT 3S (à droite, au point focal d'antenne).

▲ Dans ce magasin nous avons surpris Mme Yan pendant qu'elle lisait la revue Télé-satellite. Son affaire est en fonction depuis 1983 et elle nous explique, « un tiers de nos ventes se réalisent avec des composants satellite ; le reste vient des composants de TV par le câble. »

▲ De plus en plus d'antennes de satellite font leur apparition en Chine, même si ce n'est que par ci ou par là. Voici une vue d'un immeuble dans une ville de la chine orientale.

▲ Zones de couverture des deux nouveaux satellites chinois CHINASTAR et SINOSAT.

Agenda des Foires

- **22 - 25 November 2007:**
  Broadcast Cable & Satellite eurasia
  11th International Trade Fair and Conference for Satellite Communication, Broadcasting and TV Content
  İstanbul Expo Center, Yeşilköy, Istanbul, Turkey
  www.cebit-bcs.com

- **4 -7 February 2008: CSTB**
  Premier Professional Media Event in Russia
  Crocus Expo, Moscow, Russia
  www.cstb.ru

- **4 -6 March 2008: CABSAT 2008**
  Electronic Media and Satellite Communications Event
  Dubai International Convention and Exhibition Centre
  www.cabsat.com

- **21 - 23 March 2008: CCBN 2008**
  China Content Broadcasting Network annual Conference
  China International Exhibition Centre, Beijing, China
  www.ccbn.tv

- **27 - 29 May 2008: ANGA Cable**
  Trade Fair for Cable, Broadband & Satellite
  KoelnMesse, Cologne, Germany
  www.angacable.de

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SatcoDX Global Satellite Chart

Compiled by the Worldwide SatcoDX Monitoring Stations, exclusively for TELE-satellite Magazine

New Channels Since Last Issue of TELE-satellite Magazine are marked with a ●

EUROBIRD 4
4.0 East

EUB004WX

11.160 H	AFLENZ E-S	27500
12.130 V	DVBS2	27500
12.130 V	Standard_TV	27500

SIRIUS 2,3
5.0 East

SIR002KC

12.637 H	Explorer/Spice(FSS)	14463
12.637 H	TV1000 Balkan FSS	14463
12.637 H	TV1000 Poland (FSS	14463
12.637 H	Viasat History (FSS)	14463
12.680 H	MTV Baltics EE	9766
12.680 H	MTV Baltics LT	9766
12.680 H	MTV Baltics LV	9766
●12.697 V	ETNO TV	14685
12.697 V	Manele TV	14685
●12.697 V	Meteo TV	14685
12.697 V	METEO TV	14685
●12.697 V	PRO TV Int	14685
●12.697 V	TARAF TV	14685
●12.697 V	U TV	14685
12.697 V	WBS Television	14685
●12.697 V	{Empty}	14685
●12.697 V	R.M.S.	14685
●12.697 V	Radio DEEA	14685
●12.697 V	Service 1	14685
●12.697 V	Service 2	14685
●12.697 V	V. SPERANTEI	14685
●12.697 V	Vocea Evangheliei	14685
12.735 H	FSS Filmimees	5064

SIR002KE

●11.725 H	EbS Europe By Satell	27500
●11.725 H	EU Test	27500
11.766 H	KANAL UKRAINA	27500
11.766 H	NOVY CHANNEL	27500
11.766 H	TET	27500
11.766 H	Channel 5 (Ukraine)	27500
11.766 H	GLAS	27500
●11.766 H	KRT	27500
11.766 H	RADA	27500
11.766 H	Star TV UKR	27500
11.766 H	Love Radio	27500
11.766 H	RADIO ERA	27500
11.766 H	Radio Test	27500
11.766 H	RUI2	27500
11.766 H	UR1	27500
12.054 V	01 39 01 33	27500
12.054 V	04010121	27500
12.054 V	EPG	27500
12.054 V	HUMAX DOWNLOAD SV	27500
12.054 V	Nokia 220	27500
12.054 V	Nokia Download 9780	27500
12.054 V	Nokia Download 9802	27500
12.054 V	Nokia Download 9902	27500
12.054 V	XSI_Data	27500
12.111 H	CUSTOMER NETWORKS	27500
12.111 H	ESPN Europe	27500
12.111 H	PB	27500
12.111 H	PG	27500
12.111 H	Romantica 1	27500
12.111 H	Romantica 2	27500
12.111 H	Telesports	27500
12.111 H	Travel	27500
12.111 H	Global 1	27500
12.111 H	Global 2	27500
12.111 H	Paddy Power 1	27500
12.111 H	Immedia 1	27500
12.111 H	Immedia 2	27500
12.111 H	IRN	27500
12.111 H	Virgin Radio AM	27500
12.111 H	VTM	27500
12.150 H	Antena 3	27500
12.150 H	Antena4	27500
12.150 H	AXN	27500
12.150 H	AXN SciFi	27500
12.150 H	Etno	27500
12.150 H	Hallmark	27500
12.150 H	Kanal D	27500
12.150 H	MTV	27500
12.150 H	National Geografic	27500
12.150 H	OTV	27500
12.150 H	Prima TV	27500
12.150 H	Realitatea	27500
12.150 H	TV Sport	27500
12.150 H	TVR 1	27500
12.150 H	TVR 2	27500
12.150 H	Max Info	27500
12.150 H	TvRM	27500
12.150 H	ProFM	27500
12.150 H	InfoPro	27500
12.150 H	Radio SON	27500
12.150 H	Romantic	27500
12.188 H	Hallmark Benelux 1P5	27500
12.188 H	Hallmark Benelux 1P5	27500
12.188 H	Hallmark Bulgaria 1P	27500
12.188 H	Hallmark Croatia-Slo	27500
12.188 H	Hallmark Czech-Slova	27500
12.188 H	Hallmark Czech-Slova	27500
12.188 H	Hallmark Hungary 1P2	27500
12.188 H	Hallmark Hungary 1P2	27500
12.188 H	Hallmark Hungary 1P2	27500
12.188 H	Hallmark Hungary T	27500
12.188 H	Hallmark Israel 1P8	27500
12.188 H	Hallmark Israel 1P8	27500
12.188 H	Hallmark Israel 1P8	27500
12.188 H	Hallmark Poland 1P3	27500
12.188 H	Hallmark Poland 1P3	27500
12.188 H	Hallmark Romania 1P1	27500
12.188 H	Hallmark Romania 1P1	27500
12.188 H	Hallmark Russia-Mide	27500
12.188 H	Hallmark Russia-Mide	27500
12.188 H	Hallmark Russia-Mide	27500
12.188 H	Hallmark Scandinavia	27500
12.188 H	Hallmark Scandinavia	27500
12.188 H	Hallmark Turkey 1P4	27500
12.188 H	Hallmark Turkey 1P4	27500
12.188 H	KidsCO EastEur 1-8	27500
12.188 H	KidsCO EastEur 13-	27500
12.188 H	KidsCO EastEur 15-	27500
12.188 H	KidsCO EastEur 9-1	27500
12.188 H	KidsCO EastEur Hun	27500
12.188 H	KidsCO EastEur Mid	27500
12.188 H	KidsCO EastEur Pol	27500
12.188 H	KidsCO EastEur Rom	27500
12.188 H	KidsCO EastEur Rus	27500
12.188 H	KidsCO EastEur Tur	27500
●12.188 H	Mov24 CEE Hungary	27500
●12.188 H	Mov24 CEE Poland 1	27500
●12.188 H	Mov24 CEE Romania	27500
●12.188 H	Mov24 CEE Turkey 1	27500
●12.188 H	Mov24 CEEurpoe 1P11	27500
12.188 H	Virtual KidsCo Tes	27500
12.188 H	Virtual Poland Aud	27500
●12.188 H	Engineering Test/Dow	27500
●12.188 H	Engineering Test/Dow	27500

●12.188 H	Engineering Test/Dow	27500
●12.226 H	Animal Planet Benelu	25540
●12.226 H	Animal Planet Europe	25540
●12.226 H	Animal Planet Europe	25540
●12.226 H	Animal Planet Europe	25540
●12.226 H	Animal Planet Med	25540
●12.226 H	Animal Planet Med	25540
●12.226 H	Animal Planet Med	25540
●12.226 H	Animal Planet Med	25540
●12.226 H	Animal Planet Med	25540
●12.226 H	Animal Planet Poland	25540
●12.226 H	Animal Planet Poland	25540
●12.226 H	Civilisation Europe	25540
●12.226 H	Civilisation Europe	25540
●12.226 H	Civilisation Europe	25540
●12.226 H	Civilisation Europ	25540
●12.226 H	Discovery Benelux	25540
●12.226 H	Discovery Benelux	25540
●12.226 H	Discovery Central Eu	25540
●12.226 H	Discovery Central Eu	25540
●12.226 H	Discovery Central Eu	25540
●12.226 H	Discovery Central Eu	25540
●12.226 H	Discovery Middle Eas	25540
●12.226 H	Discovery Middle Eas	25540
●12.226 H	Discovery Middle Eas	25540
●12.226 H	Discovery Poland	25540
●12.226 H	Discovery Poland	25540
●12.226 H	Discovery Test	25540
●12.226 H	Science Europe	25540
●12.226 H	Science Europe	25540
●12.226 H	Science Europe	25540
●12.226 H	Science Europe DVB	25540
●12.226 H	Travel & Living Euro	25540
●12.226 H	Travel & Living Euro	25540
●12.226 H	Travel & Living Euro	25540
●12.226 H	Travel & Living Euro	25540
●12.226 H	Travel & Living Eu	25540
●12.226 H	Travel & Living Euro	25540
●12.226 H	Discovery Portugal	25540
●12.226 H	Discovery Sp Por	25540
●12.226 H	Discovery Spain	25540
●12.226 H	Sirius Test	25540
●12.226 H	Audio Test 1	25540
12.265 H	TVCI	27500
12.265 H	Univermag	27500
12.265 H	European Radio for B	27500
12.265 H	Line_2	27500
12.303 H	B4U	25547
12.303 H	Disc Civilisation-Po	25547
12.303 H	Disc Science-Poland	25547
12.303 H	Disc_Italy_2	25547
12.303 H	Disc_Romania	25547
12.303 H	Discovery (Hungary)	25547
12.303 H	Discovery Czech/Slov	25547
12.303 H	Monitoring Ch Uni/Ta	25547
12.303 H	Software Update for	25547
12.303 H	TCM/Cartoon	25547
12.303 H	TCM/Cartoon NL	25547
12.303 H	TCM/Cartoon Russian	25547
12.303 H	Universal TV	25547
12.303 H	Enc 7v1National Geog	25547
12.303 H	Enc 7v2 National Geo	25547
12.303 H	Enc 7v3 National Geo	25547
12.303 H	Enc 7v4 National Geo	25547
12.303 H	OU Enterprise	25547
12.303 H	AWR Radio 128Kbit	25547
12.303 H	AWR Radio 64Kbit	25547
12.303 H	Monitoring Ch AWR	25547
12.303 H	Premier Radio 96Kbit	25547
12.303 H	BBC - CCI DAB	25547
12.303 H	ntl DAB - D1	25547
12.338 H	Acasa Tv	27500
12.338 H	Animal Planet	27500
12.338 H	Antena 1	27500
12.338 H	B1TV	27500
12.338 H	Boomerang	27500
12.338 H	Cartoon Network	27500
12.338 H	Cinemax	27500
12.338 H	Cultural	27500
12.338 H	Discovery	27500
12.338 H	FreeXTV	27500
12.338 H	HBO	27500
12.338 H	National Tv	27500
12.338 H	Pro Cinema	27500
12.338 H	Pro Tv	27500
12.338 H	Telesport	27500
12.338 H	X Dream TV	27500
●12.380 H	ATG EU BSS	27500
●12.380 H	NTV	27500
●12.380 H	ORT-international	27500
●12.380 H	SVT Europa	27500
●12.380 H	Viasat3	27500
●12.380 H	TVCI new	27500
●12.380 H	Radio Sweden	27500
●12.380 H	Radio Sweden 2	27500
●12.380 H	Pace Europa	27500
●12.380 H	Pace Europa 2	27500
●12.380 H	PROXY	27500
●12.418 H	Alphameric Games	27500
●12.418 H	Alphameric Games plu	27500
●12.418 H	Alphameric Studio	27500
●12.418 H	Alphameric Studio pl	27500
●12.418 H	Alt VC Coral 20 - pr	27500
●12.418 H	ATRi - English	27500
●12.418 H	ATRi - German	27500
●12.418 H	Betfred	27500
●12.418 H	BOYLES SPORTS	27500
●12.418 H	BRAND TV DEMO	27500
●12.418 H	Caribbean Service	27500
●12.418 H	CCC TEST CHANNEL	27500
●12.418 H	CORAL - SIRIUS	27500
●12.418 H	CORAL BIDS	27500
●12.418 H	CORAL WITH SIS DA	27500
●12.418 H	Corals event test ch	27500
●12.418 H	EMP TEST CHANNEL	27500
●12.418 H	enc6	27500
●12.418 H	EURO RACING - NO	27500
●12.418 H	EURO RACING - SIR	27500
●12.418 H	Intertrack-Data To	27500
●12.418 H	iSIS Channel	27500
●12.418 H	LADBROKES IP DATA	27500
●12.418 H	LTEST	27500
●12.418 H	LXTRA SILVER	27500
●12.418 H	SIS Racing - Data	27500
●12.418 H	SIS Racing - Germ	27500
●12.418 H	SIS Racing - Germ	27500
●12.418 H	SIS Racing - INDE	27500
●12.418 H	SIS Racing - INDE	27500
●12.418 H	SIS+	27500
●12.418 H	SPECIAL LADBROKES	27500
●12.418 H	SPECIAL WILLIAM H	27500
●12.418 H	STAN JAMES	27500
●12.418 H	TEMP LADBROKES EI	27500
●12.418 H	TEST2	27500
●12.418 H	TOTE - SIRIUS	27500
●12.418 H	TOTE AUDIO SIS DA	27500
●12.418 H	TOTE TEMP AS 40	27500
●12.418 H	TOTE TEMP AS 49	27500
●12.418 H	VISION AUDIO AND	27500
●12.418 H	WHO IP CLEAR	27500
●12.418 H	WILLIAM HILL - SI	27500
●12.418 H	ALT VC 11	27500
●12.418 H	ALT VC 140	27500
●12.418 H	ALT VC 145	27500
●12.418 H	ALT VC 160	27500
●12.418 H	ALT VC 20	27500
●12.418 H	ALT VC 29	27500
●12.418 H	ALT VC 33	27500
●12.418 H	ALT VC 39	27500
●12.418 H	ALT VC 50	27500
●12.418 H	ALT VC 53	27500
●12.418 H	ALT VC 59	27500
●12.418 H	AUDIO AND DATA ON	27500
●12.418 H	SIS Racing - Audi	27500
●12.418 H	TEST CHANNEL 135	27500
●12.418 H	AUDIO CLEAR TEST	27500
●12.418 H	ALT VC 122	27500
●12.418 H	ALT VC 123	27500
●12.418 H	ALT VC 302	27500
●12.418 H	ALT VC 40	27500
●12.418 H	ALT VC 49	27500
●12.418 H	EMP TEST ALT CHAN	27500
●12.418 H	FAZZT	27500
●12.418 H	TEST2	27500
12.456 H	Acasa TV	27500
12.456 H	Download	27500
12.456 H	Pro Cinema	27500
12.456 H	Pro TV	27500
12.456 H	Radio Pro Fm Infopro	27500
12.456 H	SerRep	27500
12.456 H	ProTv Intl	27500
12.456 H	REV.INTEGRARE2007	27500
12.456 H	Info Pro	27500
12.456 H	Pro FM	27500

SIR002KN

●11.747 V	TV3 V	27500
●11.747 V	TV3Q	27500
11.747 V	TV4	27500
11.747 V	Allsvenskan 1	27500
11.747 V	Allsvenskan 2	27500
11.747 V	Viasat Xtra 1	27500
11.747 V	Viasat Xtra 2	27500
11.747 V	Viasat Xtra 3	27500
11.747 V	Viasat Xtra 4	27500
11.747 V	Viasat Xtra 5	27500
●11.747 V	Vue Cinemas	27500
11.747 V	CORE SI	27500
11.747 V	DATA 2	27500
11.747 V	HDTV_OCC	27500
11.747 V	Viasat Test 1	27500
11.747 V	Viasat Test 2	27500
11.747 V	Viasat Test 3	27500
11.747 V	XSI_Data	27500
12.092 V	Aftonbladet TV7	27500
●12.092 V	Playhouse Disney	27500
12.092 V	TV2 NEWS	27500
12.092 V	Allsvenskan 3	27500
12.092 V	Allsvenskan 4	27500
12.092 V	Allsvenskan 5	27500
12.092 V	Global Watch	27500
12.092 V	Viasat Xtra 6	27500
●12.092 V	Visjon Norge	27500
12.092 V	CORE SI	27500
12.092 V	XSI_Data	27500

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11.804 H	MTV NO	27500
11.804 H	Ticket 1	27500
11.804 H	Ticket 2 Erotic	27500
11.804 H	TV4 Film	27500
11.804 H	TV4 Plus	27500
11.804 H	TV400	27500
11.804 H	Viasat History	27500
11.804 H	Viasat Sport 2	27500
11.804 H	Viasat Sport 3	27500
11.804 H	CORE SI	27500
11.804 H	XSI_Data	27500
●11.881 H	24	27500
●11.881 H	Barnkanalen	27500
●11.881 H	SVT Extra	27500
●11.881 H	SVT1	27500
●11.881 H	SVT2	27500
●11.881 H	TV1000 Plus One	27500
●11.881 H	TV1K+1	27500
●11.881 H	GOD Channel	27500
●11.881 H	Kanal 10	27500
●11.881 H	CORE SI	27500
11.881 H	Customer Service	27500
●11.881 H	XSI_Data	27500
11.938 V	Cartoon/TCM EE	27500
11.938 V	Discovery EE	27500
11.938 V	Nat Geo / CNBC	27500
11.938 V	RTR Planeta	27500
11.938 V	TV3 Mitt	27500
11.938 V	TV3 Norr	27500
11.938 V	TV3 Syd	27500
11.938 V	TV3 Väst	27500
11.938 V	TV3 Öst	27500
11.938 V	Bandit Rock	27500
11.938 V	Club/Dance	27500
11.938 V	Disco	27500
11.938 V	Golden Oldies	27500
11.938 V	Jazz	27500
11.938 V	Lugna Favoriter	27500
11.938 V	Soul R&b	27500
11.938 V	Super 80's	27500
11.938 V	Svenska Favoriter	27500
11.938 V	Classic	27500
11.938 V	XSI Data	27500
11.996 H	Jetix/Travel	27500
11.996 H	K75 NORDEN	27500
11.996 H	SportN	27500
11.996 H	SvSp	27500
11.996 H	TVN Chile Nordic	27500
11.996 H	Sirius Channel	27500
11.996 H	01 39 01 33	27500
11.996 H	04010121	27500
11.996 H	04020102	27500
11.996 H	05010024	27500
11.996 H	CORE SI	27500
11.996 H	DATA	27500
11.996 H	HUMAX DOWNLOAD SV	27500
11.996 H	Nokia 220	27500
11.996 H	Nokia Download 9780	27500
11.996 H	Nokia Download 9802	27500
11.996 H	Nokia Download 9902	27500
11.996 H	Pace Download	27500
11.996 H	Pace Download 2	27500
11.996 H	Pace Download 3	27500
11.996 H	Pace Download 4	27500
11.996 H	TRC Data1	27500
11.996 H	Triax DVB63S	27500
11.996 H	Triax DVB65S	27500
11.996 H	Triax DVB75Si	27500
11.996 H	TT	27500
11.996 H	XSI_Data	27500
12.054 V	Jetix/Travel	27500
12.054 V	TV1000	27500
12.054 V	TV1000 Action	27500
12.054 V	TV1K	27500
12.054 V	TV3 Denmark	27500
12.054 V	TV3 Norge	27500
12.054 V	TV3 Stockholm	27500
12.054 V	TV6	27500
12.054 V	Cartoon/TCM	27500
12.054 V	TV1KA	27500
12.054 V	Bandit 106.3	27500
12.054 V	Rix FM	27500

EUTELSAT W3A
7.0 East

EUTW3AAB

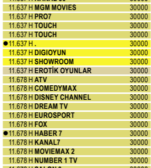
●10.928 H	HD PROMO	30000
●10.928 H	HD TEST	30000
10.928 H	Test	30000
●10.928 H	{Empty}	30000
●10.928 H	{Empty}	30000
●10.976 H	MBS tv	3333
10.976 H	TVM Malagasy	3333
10.976 H	CFI feeds	3333
10.976 H	MBS Radio	3333
10.976 H	Radio Fahazavana	3333
10.976 H	Radio MADA	3333
10.976 H	RNM 2 Amontana	3333
10.976 H	RNM Madagasikara	3333
12.520 H	IP-Roaming	27500
12.520 H	PCR	27500
12.520 H	W3A-Ka Linkstar Serv	27500
12.563 H	Al Jazeera Int	30000
12.563 H	BBC World	30000
12.563 H	E! Entertainment	30000
12.563 H	Fox Sports Africa	30000
12.563 H	G Prime	30000
12.563 H	G Prime	30000
12.563 H	G Sports 1	30000
12.563 H	G Sports 2	30000
12.563 H	GOD	30000
12.563 H	Kiss	30000
12.563 H	MGM	30000
12.563 H	MTV base	30000
12.563 H	Nickelodeon	30000
12.563 H	Sky News	30000
12.563 H	TV5 Monde Afrique	30000
●12.563 H	Zee Cinema	30000
12.563 H	Software Download	30000
12.603 H	IP/DVB Service (0x	27903
12.603 H	RCS MAP Table (0x3	27903
●12.727 H	WWW.PSAT.TV	30000
●12.727 H	2STV	30000
12.727 H	DIRECT 8	30000
12.727 H	MTA INTL	30000
12.727 H	RTS	30000
12.727 H	Origine FM	30000
12.727 H	RFI Afrique	30000
12.727 H	RSI	30000
12.727 H	ADMN	30000
12.727 H	AFRIQUE TELECOM	30000
12.727 H	HORIZON	30000
12.727 H	INTERSAT AFRICA	30000
12.727 H	SatSurf	30000
12.727 H	SYTEA Bridge	30000
12.727 H	TELEDATA	30000

EUTW3ABA

11.175 V	Int6	27500
●11.175 V	TVP Info	27500
11.175 V	TVP Sport	27500
11.175 V	TVP1	27500
11.175 V	TVP2	27500
11.175 V	TV Polonia	27500
11.175 V	TVP Historia	27500
11.175 V	TVP Kultura	27500
11.190 H	MBC-R0D. TV2 & RA	3210
11.190 H	R0DRIGUES TV1 and	3210
11.263 H	Internet	27491
11.263 H	OpenSkyPush	27491
11.263 H	Streaming	27491
11.283 V	EUROSPORT	27500
11.283 V	EUROSPORT2	27500
11.283 V	PROD ESP	27500
11.283 V	PROD ESP2	27500
11.283 V	TV5 Orient	27500
11.283 V	M6 Suisse	27500
11.283 V	OCCA 1 W3	27500
11.283 V	BuffaloGrill	27500
11.283 V	VT COMMUNICATIONS	27500
11.283 V	RFI Afrique	27500
11.283 V	RFI Albania	27500
11.283 V	RFI Americas 5	27500
11.283 V	RFI Anik	27500
11.283 V	RFI Austria	27500
11.283 V	RFI Bakou	27500
11.283 V	RFI Barcelona	27500
11.283 V	RFI BBC Hungary	27500
11.283 V	RFI BBC Saxe	27500
11.283 V	RFI Bucarest	27500
11.283 V	RFI Cambodge	27500
11.283 V	RFI Chisinau	27500
11.283 V	RFI Divers 1	27500
11.283 V	RFI Divers 2	27500
11.283 V	RFI Divers 3	27500
11.283 V	RFI Divers 4	27500
11.283 V	RFI Divers 5	27500
11.283 V	RFI Divers 6	27500
11.283 V	RFI Divers 7	27500
11.283 V	RFI Ekaterinbourg	27500
11.283 V	RFI Epra	27500
11.283 V	RFI Erevan	27500
11.283 V	RFI Fileas	27500
11.283 V	RFI Francais	27500
11.283 V	RFI Francais	27500
11.283 V	RFI Germany	27500
11.283 V	RFI Hispasat1	27500
11.283 V	RFI Hispasat2	27500
11.283 V	RFI Kaboul	27500
11.283 V	RFI Kosovo	27500
11.283 V	RFI Langues Div	27500
11.283 V	RFI Langues Est	27500
11.283 V	RFI Langues1	27500
11.283 V	RFI Langues2	27500
11.283 V	RFI Latine	27500
11.283 V	RFI Liban	27500
11.283 V	RFI Lisbonne	27500
11.283 V	RFI Marine	27500
11.283 V	RFI Montenegro	27500
11.283 V	RFI Multilingue	27500
11.283 V	RFI Musique	27500
11.283 V	RFI Ocean Indien	27500
11.283 V	RFI Orbit	27500
11.283 V	RFI Prague	27500
11.283 V	RFI Reserve	27500
11.283 V	RFI Rmc Amman	27500
11.283 V	RFI Rmc Mo	27500
11.283 V	RFI Russia	27500
11.283 V	RFI Skopje	27500
11.283 V	RFI Sofia	27500
11.283 V	RFI St Peter	27500
11.283 V	RFI Tbilissi	27500
11.283 V	RFI Test	27500
11.283 V	RFI World1	27500
11.283 V	RFI World2	27500
11.283 V	RFI World3	27500
11.283 V	RFI Worldspace	27500
11.283 V	RFI WS Ouest	27500
11.283 V	RFI WS Sud	27500
11.283 V	GC-ME	27500
11.283 V	LOREAL-W3	27500
11.283 V	Mcast File mutualisé	27500
11.283 V	MCF mutualisé	27500
11.283 V	Météo France - W3	27500
11.283 V	PMI File W3	27500
11.283 V	PMI streaming W3	27500
11.283 V	SCHOOLNET-Varamin	27500
●11.324 V	BFBS 1	27500
●11.324 V	BFBS 2	27500
●11.324 V	BFBS 3	27500
●11.324 V	BFBS 4	27500
●11.324 V	BFBS 5	27500
●11.324 V	BFBS 6	27500
●11.324 V	BFBS 7	27500
●11.324 V	BFBS 8	27500
●11.324 V	R1 AFGHAN	27500
11.324 V	R2 CYPRUS	27500
11.324 V	R2 EUROPE	27500
11.324 V	R2 WORLD	27500
●11.324 V	.	27500
●11.324 V	..	27500
●11.324 V	...	27500
11.324 V	BFBS GURKHA	27500
11.324 V	R1 BALKANS	27500
11.324 V	R1 CYPRUS	27500
11.324 V	R1 EUROPE	27500
11.324 V	R1 M.EAST	27500
11.324 V	R1 N.IRELAND	27500
11.324 V	R1 NAVY	27500
11.324 V	DATA	27500
11.342 H	ESP2 German	27500
11.342 H	2STV	27500
11.342 H	Africable	27500
11.342 H	Extra 3	27500
11.342 H	ORTM	27500
11.342 H	RTS	27500
11.342 H	MOOD MEDIA	27500
●11.342 H	MOOD RADIO	27500
11.342 H	Origine FM	27500
11.342 H	PUBLIRAD	27500
11.342 H	RSI	27500
●11.342 H	AT&T	27500
11.342 H	AVANTI	27500
11.342 H	ENVIATEL	27500
11.342 H	NORTIS	27500
11.342 H	VOXLINK	27500
●11.342 H	Voxlink MIP	27500
●11.470 H	24	30000
11.470 H	AKILLI TV	30000
11.470 H	BBC PRIME	30000
11.470 H	e2	30000
11.470 H	EURONEWS	30000
11.470 H	EUROSPORT 2	30000
11.470 H	EXTREME SPORTS	30000
11.470 H	FOXlife	30000
11.470 H	MEZZO	30000
11.470 H	MTV Türkiye	30000
11.470 H	OLAY TV	30000
11.492 V	DİZİMAX	30000
11.492 V	HALLMARK CHANNEL	30000
11.492 V	LİG TV	30000
11.492 V	MEMLEKETİM TV	30000
11.492 V	SAMANYOLU TV	30000
11.492 V	SHOW PLUS	30000
11.492 V	TÜRKMAX	30000
●11.492 V	WEDDING TV	30000
11.492 V	ZONE REALITY	30000
●11.492 V	.	30000
11.492 V	TRT1	30000
11.492 V	TRT2 / TRT3	30000
11.492 V	test	30000
11.492 V	test2	30000
11.492 V	CAM	30000
11.513 H	BABY TV	27500
11.513 H	CRIME&INVESTIGATI	27500
11.513 H	ESPN CLASSIC	27500
11.513 H	FLASH TV	27500
●11.513 H	POWERTURK TV	27500
●11.513 H	S HABER	27500
11.513 H	TV5 MONDE	27500
11.513 H	Z	27500
11.513 H	DIGIAKTİF	27500
11.513 H	DIGIPOSTA	27500
11.513 H	DIGITURK TEKNİK S	27500
11.513 H	HALKBANK	27500
11.513 H	JOJO	27500
11.513 H	MÜŞTERİ HİZMETLER	27500
11.513 H	S'NEK iTV	27500
11.513 H	TURKCELL SÜPER Lİ	27500
11.513 H	TV HABER	27500
11.513 H	TV HAVA DURUMU	27500
11.513 H	YAPI KREDİ	27500
11.513 H	YEMEK SEPETİ	27500

EUTW3ABB

10.880 V	Euro1080 HD1 MP4	17360
10.880 V	EXQI	17360
10.880 V	Euro1080 HD2/5	17360
●10.880 V	Euro1080 HD5	17360
●10.899 V	LUXE.TV HD	9404
●10.899 V	LUXE.TV SD	9404
●10.899 V	LUXE.TV SD TEST	9404
●10.927 V	SIMS W3A Redundanc	27500
●10.927 V	SIMS W3A Redundanc	27500
10.927 V	SKYPLEX W3A XPA12	27500
11.534 V	BBC WORLD	30000
11.534 V	BLOOMBERG	30000
11.534 V	BUSINESS CHANNEL	30000
11.534 V	CNBC-e	30000
11.534 V	CNN TÜRK	30000
11.534 V	ELMAX	30000
11.534 V	KANALTURK	30000
11.534 V	KRAL TV	30000
11.534 V	MOVIEMAX	30000
11.534 V	NTV	30000
11.534 V	TV8	30000
11.534 V	TV FINANS	30000
11.553 H	LinkStar	27500
11.575 V	JETIX	30000
11.575 V	JETIX PLAY	30000
11.575 V	KANAL A	30000
11.575 V	KANAL D	30000
11.575 V	SAILING CHANNEL	30000
11.575 V	SALON 2	30000
11.575 V	SHOW TV	30000
11.575 V	TURKCELL SALON 1	30000
11.575 V	VH1	30000
11.575 V	VIP TV	30000
11.575 V	VIP TV	30000
11.575 V	ZDF	30000
11.575 V	DPVESOTV01	30000
11.575 V	HUMAX DOWNLOAD SV	30000
11.575 V	IGUIDE-R	30000
11.575 V	PHILIPS DOWNLOAD	30000
11.575 V	VESTEL ZAP DOWNLO	30000
11.596 H	AL JAZEERA English	30000
11.596 H	CNN INTERNATIONAL	30000
11.596 H	FB TV	30000
11.596 H	FOX SPORTS	30000
11.596 H	GOLDMAX 2	30000
11.596 H	HABERTURK	30000
●11.596 H	KANAL 778	30000
11.596 H	LİG TV TİCARİ	30000
11.596 H	MYMAX	30000
11.596 H	RAI1	30000
11.596 H	TGRT HABER	30000
11.596 H	TJK TV	30000
11.596 H	test2.	30000
●11.596 H	test455	30000
11.596 H	Bilyoner.com	30000
11.596 H	DIGIAKTIFtest	30000
11.596 H	HİPODROM iTV	30000
11.596 H	PHILIPS DOWNLOAD	30000
11.617 V	BTV 2	30000
11.617 V	HOME TV	30000
11.617 V	MCM TOP	30000
11.617 V	NAT. GEO. WILD	30000
11.617 V	NAT.GEOGRAPHIC	30000
11.617 V	NICKELODEON	30000
11.617 V	S'NEK	30000
11.617 V	STAR	30000
11.617 V	THE HISTORY CH.	30000
●11.617 V	.	30000
11.617 V	`70s HITS	30000
11.617 V	`80s HITS	30000
11.617 V	ALEM FM 89.2	30000
11.617 V	ALTERNATIVE	30000
11.617 V	ARIONRADIO.COM	30000
11.617 V	BEAUTIFUL INSTRUM	30000
11.617 V	BLUES	30000
11.617 V	CLASSIC JAZZ	30000
11.617 V	CLASSIC ROCK	30000
11.617 V	CLASSICAL R&B	30000
11.617 V	DANCE	30000
11.617 V	EURO HITS	30000
11.617 V	FRENCH HITS	30000
11.617 V	HOTTEST HITS	30000
11.617 V	ITALIAN CONTEMPOR	30000
11.617 V	LATIN CONTEMPORAR	30000
11.617 V	LOVE SONGS	30000
11.617 V	LİG RADYO	30000
11.617 V	MASAL RADYO	30000
11.617 V	MODERN COUNTRY	30000
11.617 V	NEW AGE	30000
11.617 V	OPERA	30000
11.617 V	POPULAR CLASSICAL	30000
11.617 V	POWER FM	30000
11.617 V	POWERTÜRK	30000
11.617 V	R&B HIP HOP	30000
●11.617 V	RADIO TIME	30000
11.617 V	RADYO SPOR	30000
11.617 V	REGGAE	30000
11.617 V	ROCKnROLL OLDIES	30000
11.617 V	SMOOTH JAZZ	30000
11.617 V	SYMPHONIC	30000
11.617 V	TRENDS	30000
●11.617 V		30000
●11.617 V		30000
11.617 V	DS265-R	30000
11.617 V	KANAL 532	30000
11.617 V	TDS850-R	30000
11.637 H	ACTIONMAX	30000
11.637 H	AVRASYA TV	30000
11.637 H	BTV	30000
11.637 H	FASHION TV	30000
11.637 H	GOLDMAX	30000
11.637 H	INTIMACY	30000
11.637 H	INTIMACY	30000
11.637 H	JOJO	30000
11.637 H	KANAL 1	30000
11.637 H	KANAL 80	30000
11.637 H	MGM MOVIES	30000
11.637 H	PRO7	30000
11.637 H	TOUCH	30000
11.637 H	TOUCH	30000
●11.637 H	.	30000
11.637 H	DIGIOYUN	30000
11.637 H	SHOWROOM	30000
11.637 H	EROTİK OYUNLAR	30000
11.678 H	ATV	30000
11.678 H	COMEDYMAX	30000
11.678 H	DISNEY CHANNEL	30000
11.678 H	DREAM TV	30000
11.678 H	EUROSPORT	30000
11.678 H	FOX	30000
●11.678 H	HABER 7	30000
11.678 H	KANAL7	30000
11.678 H	MOVIEMAX 2	30000
11.678 H	NUMBER 1 TV	30000
11.678 H	SALON 3	30000
11.678 H	SKYTURK	30000



●11.102 H	G0,AFRICA	3800

EUROBIRD 9
9.0 East

EUB009KW

●11.727 V	Discovery	27500
●11.727 V	Equidia Alpha	27500
●11.727 V	Equidia Outlist	27500
●11.727 V	História	27500
●11.727 V	Odisseia	27500
●11.727 V	Panda	27500
●11.727 V	People & Arts	27500
●11.727 V	RTP 1	27500
●11.727 V	RTP 2	27500
●11.727 V	RTP N	27500
●11.727 V	SIC	27500
●11.727 V	TVI	27500
●11.727 V	GUIDE	27500
●11.747 H	Skylogic	27500
●11.747 H	EB9 SKL	27500
●11.766 V	Biography	27500
●11.766 V	ESPN	27500
●11.766 V	Hollywood	27500
●11.766 V	MGM	27500
●11.766 V	MTV	27500
●11.766 V	NASN	27500
●11.766 V	Travel	27500
●11.766 V	VH1	27500
●11.766 V	Canal T	27500
●11.766 V	Canal Teste	27500
●11.766 V	OTA DVB	27500
●11.766 V	TT STB Update	27500
●11.785 H	Venice HD	27500
●11.785 H	CCTV 4	27500
●11.785 H	M3 sat	27500
●11.785 H	Nessuno TV	27500
●11.785 H	Telelombardia	27500
●11.977 H	bwtv	27500
●11.977 H	TSBS-MB-cz	27500
●11.977 H	TSBS-MB-dt	27500
●11.977 H	TSBS-MB-f	27500
●11.977 H	TSBS-MB-nl	27500
●11.977 H	TSBS-MB-rum	27500
●11.977 H	TSBS-MB-s	27500
●11.977 H	TSBS-MB-sl	27500
●11.977 H	OCC	27500
●11.977 H	Testbild	27500

EUTELSAT W1
10.0 East

EUT0W1KE

11.126 H	JAZEERA	4340
11.126 H	JSCTLPRT	4340
11.140 H	Al-Zahra	3255
11.140 H	GCP Occa	3255
●11.144 H	ANB	2441
11.148 H	SYRIA	2894
11.152 H	RTS SAT	2170
11.156 H	Al Jazeera	3978
●11.160 H	ADJARA-TV	2170
11.160 H	Service 2	2170
●11.163 H	ADJARA-TV	2170
11.163 H	Noursat	2170
11.171 H	EUROSPORTNEWS	2894
11.175 H	AL-FORAT	2532
11.189 V	InXtc TV	6185
11.189 V	eurotic TV	6185
11.189 V	Eurotic2	6185
11.189 V	XPlusTV	6185
12.718 H	mc	7036
12.718 H	mgm int	7036
12.729 H	Disney ME	2100

HOTBIRD 6,7A,8
13.0 East

HOT006KB

10.775 H	AFN Atlantic/Power	28000
10.775 H	AFN Iraq Radio	28000
10.775 H	Barvaria	28000
10.775 H	Benelux	28000
10.775 H	Eifel	28000
10.775 H	Franconia	28000
10.775 H	Guide/Adult Rock	28000
10.775 H	Guide/AFN Bavaria	28000
10.775 H	Guide/AFN Bavaria	28000
10.775 H	Guide/AFN Benelux	28000
10.775 H	Guide/AFN Benelux	28000
10.775 H	Guide/AFN Franconi	28000
10.775 H	Guide/AFN Franconi	28000
10.775 H	Guide/AFN Heidelbe	28000
10.775 H	Guide/AFN Heidelbe	28000
10.775 H	Guide/AFN Hessen E	28000
10.775 H	Guide/AFN Hessen P	28000
10.775 H	Guide/AFN Kaisersl	28000
10.775 H	Guide/AFN Kaisersl	28000
10.775 H	Guide/AFN News Rad	28000
10.775 H	Guide/AFNE Eagle	28000
10.775 H	Guide/AFNE PowerNe	28000
10.775 H	Guide/Bright AC	28000
10.775 H	Guide/Contingency	28000
10.775 H	Guide/Country	28000
10.775 H	Guide/ESPN Radio	28000
10.775 H	Guide/Fox Sports Tal	28000
10.775 H	Guide/Hot AC	28000
10.775 H	Guide/NPR	28000
10.775 H	Guide/PowerNet/Hot	28000
10.775 H	Guide/Pure Gold	28000
10.775 H	Guide/The Touch	28000
10.775 H	Guide/Z-rock ABC H	28000
10.775 H	Heidelberg	28000
10.775 H	Hessen	28000
10.775 H	Kaiserslautern	28000
10.775 H	Pacific/Pure Gold	28000
10.775 H	Spectrum/Touch/Conti	28000
10.775 H	Sports/ESPN/FoxSpo	28000
10.775 H	Voice	28000
10.775 H	Bars and Test Tone +	28000
10.775 H	SMPTE Time Code	28000
10.775 H	UI Split/Voice	28000
10.815 H	Duna TV	
10.815 H	Petofi Radio	
10.815 H	Regionalis es Nemzet	
10.829 H	Autonomia	3333
10.834 V	ARTE	27500
10.834 V	M6	27500
10.834 V	TF1	27500
10.834 V	TPS CINEFAMILY	27500
10.834 V	TPS CINESTAR	27500
10.834 V	TPS HOMECINEMA	27500
●10.834 V	TPS Star	27500
●10.834 V	Eurosport 2	27500
●10.834 V	France 2	27500
●10.834 V	France 2	27500
●10.834 V	France 3	27500
●10.834 V	France 3	27500
10.834 V	OL TV	27500
10.834 V	0208010a0F	27500
10.834 V	0208041a0F	27500
10.834 V	Debits de jetons	27500
10.834 V	Mon Bazar	27500
10.834 V	TELECOLLECTE PUSH	27500
●10.853 H	INXTC TV	27500
●10.853 H	'Arab-Girls.TV	27500
●10.853 H	ALO TV	27500
●10.853 H	ArabSexClub	27500
●10.853 H	eurotic TV	27500
●10.853 H	eurotic TV 2	27500
●10.853 H	eUroticPlus TV	27500
●10.853 H	Fatayat 7'armanat	27500
●10.853 H	Sexy-Arab.TV	27500
●10.853 H	Supreme Master TV	27500
●10.853 H	Ta3arees TV	27500
●10.853 H	BTV IP	27500
●10.853 H	EUMETCAST	27500
●10.853 H	InfomedTV	27500
●10.853 H	Tenfore	27500
10.873 V	Equidia	27500
10.873 V	Equidia Alpha	27500
10.873 V	Equidia Outlist	27500
●10.873 V	France 4	27500
●10.873 V	France 4	27500
●10.873 V	France 5	27500
●10.873 V	France 5	27500
●10.873 V	France Ô	27500
●10.873 V	La Chaine Parlementa	27500
10.873 V	La Chaîne Parlementa	27500
10.873 V	M6 Music Black	27500
10.873 V	M6 Music Rock	27500
●10.873 V	Sci Fi	27500
10.873 V	TV Breizh	27500
●10.873 V	Ushuaia TV	27500
●10.873 V	Fun Radio	27500
10.873 V	RMC	27500
●10.873 V	RTL2	27500
●10.873 V	Alouette	27500
●10.873 V	Europe1	27500
●10.873 V	Europe2	27500
10.873 V	FIL HD	27500
●10.873 V	Guide	27500
●10.873 V	Radio Classique	27500
10.873 V	RFM	27500
10.873 V	RTL	27500
●10.873 V	01 03 01 46	27500
●10.873 V	01 03 04 46	27500
10.873 V	01 03 06 23	27500
●10.873 V	01 04 01 46	27500
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●10.873 V	01 60 04 65	27500
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●10.873 V	02 05 04 82	27500
●10.873 V	02 06 01 82	27500
●10.873 V	02 06 04 82	27500
10.873 V	Boutique Votre Abonn	27500
10.873 V	Notification Débits	27500
10.873 V	opentst	27500
10.873 V	test-96-0	27500
10.873 V	UPSELLING	27500
10.873 V	Votre_Contrat	27500
10.971 H	Baby TV	27500
10.971 H	TIN + 18668336763	27500
10.971 H	3 Channel	27500
10.971 H	Asianet Plus	27500
10.971 H	Galaxy Nepal	27500
10.971 H	GOD TV	27500
10.971 H	MRTV / Univ TV	27500
10.971 H	Music Box Russia	27500
10.971 H	NTD TV	27500
10.971 H	Russia Today	27500
10.971 H	Suroyo tv	27500
10.971 H	Suryoyo Sat	27500
10.971 H	Telenova	27500
10.971 H	The Word Network	27500
10.971 H	TRT-INT	27500
10.971 H	VenetoSat	27500
10.971 H	Wind int. tv	27500
10.971 H	D.G KURD	27500
●10.971 H	DHALAD Radio	27500
10.971 H	Glas Drine BiH	27500
10.971 H	ILO Romano Radio	27500
10.971 H	Nawa Kurd Radio	27500
10.971 H	R.jamawar_KSDP	27500
10.971 H	Radio Romano Alav	27500
10.971 H	Radyo-2 (TRT FM)	27500
10.971 H	TSR Turkce	27500
10.971 H	Turizm Radyosu	27500
10.971 H	VOT West	27500
10.971 H	VOT World	27500
10.992 V	Rai Africa	27500
10.992 V	Rai Asia	27500
10.992 V	Rai Due	27500
10.992 V	Rai Tre	27500
10.992 V	Rai Uno	27500
10.992 V	Rai Utile	27500
10.992 V	FD Leggera	27500
10.992 V	Multilingue 1	27500
10.992 V	Multilingue 2	27500
10.992 V	Radio OM unica	27500
10.992 V	Radio2 mono	27500
10.992 V	Radio3 mono	27500
10.992 V	SatelRadio	27500
●11.013 H	.FREE SEX ZONE	27500
●11.013 H	.Live Sex	27500
●11.013 H	.VIPSex	27500
●11.013 H	69 Arab Momes	27500
●11.013 H	AIT	27500
●11.013 H	AL FAYHAA	27500
●11.013 H	Al Jameela Jins	27500
●11.013 H	Al Sexy TV	27500
●11.013 H	Arab-Jins	27500
●11.013 H	Canale8	27500
●11.013 H	CANLI SOHBET TV	27500
●11.013 H	CGN	27500
●11.013 H	Cinquestelle	27500
●11.013 H	DardaChat	27500
●11.013 H	Ehsas.tv	27500
●11.013 H	Exotica	27500
●11.013 H	FREE SEX SAT	27500
●11.013 H	G Point	27500
●11.013 H	GALAXY EROTIC TV	27500
●11.013 H	Gali Kurdistan TV	27500
●11.013 H	GAY FREE TV	27500
●11.013 H	LA 9	27500
●11.013 H	Marine Biz TV	27500
●11.013 H	QURAN TV	27500
●11.013 H	RU TV	27500
●11.013 H	Rusiya Al-Yaum	27500
●11.013 H	SARAFAN	27500
●11.013 H	SARAFAN	27500
●11.013 H	TBM	27500
●11.013 H	TeeZee.TV	27500
●11.013 H	Telecolore	27500
●11.013 H	TOP SEX TV	27500
●11.013 H	VideoBergamo	27500
●11.013 H	Wild Sex	27500
●11.013 H	Zawaj Elmot3a	27500
●11.013 H	European Radio for B	27500
●11.013 H	London Tamil Radio	27500
●11.013 H	London TBC	27500
●11.013 H	New Life Radio Russi	27500
●11.013 H	New Life Radio Russi	27500
●11.013 H	R.KURDISTAN	27500
●11.013 H	RDK DUHOK	27500
●11.013 H	RUSSIAN RADIO	27500
●11.013 H	Tamil ITR France	27500
●11.013 H	Tamil Radio EU	27500
●11.013 H	TAMIL RADIO TIR	27500
●11.034 V	Berbere Television	27500
●11.034 V	Boomerang	27500
●11.034 V	PINK TV PINKX	27500
●11.034 V	Tele Melody	27500
11.034 V	W9	27500
11.034 V	W9	27500
●11.034 V	Aljazeera Intl	27500
11.034 V	CCTV9	27500
11.034 V	CLP TV	27500
●11.034 V	Demain!	27500
●11.034 V	Euronews France	27500
●11.034 V	M6 Boutique la chain	27500
11.034 V	RTR	27500
●11.034 V	Vesti	27500
●11.034 V	Radio Berbere	27500
11.054 H	Akubis Classic	27500
11.054 H	Akubis Direkt	27500
11.054 H	bwtv	27500
11.054 H	RTL CH	27500
11.054 H	TSBS-MB-cz	27500
11.054 H	TSBS-MB-dt	27500
11.054 H	TSBS-MB-f	27500
11.054 H	TSBS-MB-nl	27500
11.054 H	TSBS-MB-rum	27500
11.054 H	TSBS-MB-s	27500
11.054 H	TSBS-MB-sl	27500
11.054 H	DAS VIERTE	27500
11.054 H	MI-TV	27500
●11.054 H	MTI	27500
11.054 H	Special IG	27500
●11.054 H	Sport Channel	27500
11.054 H	SRI-TV	27500
11.054 H	VOX CH	27500
11.054 H	ZDF	27500
11.054 H	Akubis Daten	27500
11.075 V	Comedy Central Polsk	27500
11.075 V	Game One	27500
11.075 V	MTV 1	27500
●11.075 V	MTV France	27500
11.075 V	MTV Polska	27500
11.075 V	MTV Polska.	27500
11.075 V	MTV Portugal	27500
11.075 V	Nickelodeon Euro	27500
11.075 V	VH1	27500
11.075 V	VH1 Polska	27500
11.075 V	VH1 Polska.	27500
11.075 V	VH1.	27500
11.075 V	VIVA Polska	27500
11.075 V	VIVA Polska.	27500
11.095 H	AFN Family Channel	28000
11.095 H	AFN Freedom	28000
11.095 H	AFN Movie Channel	28000
11.095 H	AFN Vicenza Continge	28000
11.095 H	AFN Xtra/Time Code	28000
11.095 H	Aviano	28000
11.095 H	LaMaddalena	28000
11.095 H	Naples	28000
11.095 H	News/BrightAC/Coun	28000
11.095 H	Sigonella	28000
11.095 H	Vicenza	28000
11.095 H	Pentagon Channel	28000
11.095 H	AFN Freedom Radio	28000
11.095 H	Power - La Maddalena	28000
11.095 H	Power - Livorno	28000
11.095 H	Power - Naples	28000
11.095 H	Power - Sigonella	28000
11.095 H	Power 107 Vicenza	28000
11.095 H	Power-Vicenza	28000
11.095 H	The Eagle - Vicenza	28000
11.095 H	The Eagle - La Madda	28000
11.095 H	The Eagle - Livorno	28000
11.095 H	The Eagle - Naples	28000
11.095 H	The Eagle - Sigonell	28000
11.095 H	The Eagle-Vicenza	28000
11.137 H	Motors TV	27500
11.137 H	ANN	27500
11.137 H	GEM TV	27500
11.137 H	Iran TV	27500
11.137 H	Kurdistan TV	27500
11.137 H	Roma Uno	27500
11.137 H	RTB	27500
11.137 H	RTB Crypted	27500
11.137 H	Starmarket	27500
11.137 H	TV5MONDE EUROPE	27500
11.137 H	TV5MONDE FBS	27500
11.137 H	Videolina	27500
11.137 H	Videolook	27500
11.159 V	Polsat	27500
11.159 V	Polsat Sport	27500
11.159 V	Polsat Sport Extra	27500
11.159 V	Superstacja	27500
11.159 V	TV4	27500
11.159 V	Polsat2	27500
11.159 V	TV Biznes	27500
11.159 V	Zdrowie i Uroda	27500
11.178 H	BTV INPS	27500
11.178 H	JSC Sport+1	27500
11.178 H	JSC Sport+2	27500
11.178 H	Sisal TV	27500
11.178 H	Canale Italia	27500
11.178 H	Diva Futura	27500
11.178 H	GBR	27500
11.178 H	NEW TELEVISION	27500
11.178 H	Nostradamus	27500
11.178 H	Sensuality	27500
11.178 H	SixtyNine	27500
11.178 H	Studio Europa	27500
11.178 H	Telemarket	27500
11.178 H	Test 4916	27500
11.178 H	TV Moda	27500
11.566 H	Church Channel	27500
11.566 H	DAYSTAR	27500
11.566 H	EL SHAFAA	27500
11.566 H	Inspiration	27500
11.566 H	JCTV	27500
11.566 H	NEJAT TV	27500
●11.566 H	SMILE	27500
●11.566 H	TBN Europe	27500
11.566 H	TBN ITALIA	27500
11.566 H	TBN RUSSIA	27500
11.566 H	TBNEspain	27500
●11.585 V	TV GLOBO	27500
●11.585 V	.Viva L'Italia Chann	27500
11.585 V	Ariana TV	27500
11.585 V	BFM TV	27500
11.585 V	BFM TV	27500
11.585 V	Bio TV	27500
11.585 V	E'TV Emilia Romagna	27500
11.585 V	EWTV	27500
11.585 V	ISLAM TV	27500
11.585 V	MAHARISHI	27500
11.585 V	NRJ 12	27500
11.585 V	NRJ 12	27500
11.585 V	NRJ 12 HQ	27500
11.585 V	RTS SAT	27500
11.585 V	SPIRIT CHANNEL	27500
11.585 V	Test Radio Globo	27500
11.585 V	Cherie FM	27500
11.585 V	Nostalgie	27500
●11.585 V	NRJ	27500
11.585 V	Rire & Chansons	27500
11.604 H	'Arab-Sex.tv	27500
11.604 H	.69arabdream.tv	27500
11.604 H	.arab babes	27500
11.604 H	.Top Porn Stars	27500
11.604 H	7'armanat Nar	27500
11.604 H	Al Arab Erotica	27500
11.604 H	Arab XXX	27500
11.604 H	arab-69.tv	27500
11.604 H	CARPE DIEM	27500
11.604 H	DW-TV ARABIA	27500
11.604 H	DW-TV EUROPA	27500
11.604 H	Erotica Arabia TV	27500
11.604 H	FREE CHANNEL	27500
11.604 H	Hot Arab.tv	27500
11.604 H	Hot Sex Sat	27500
11.604 H	IranMusic	27500
11.604 H	Mediatel	27500
11.604 H	Napoli TLA	27500
11.604 H	pdf.tv	27500
11.604 H	RTL 2 CH	27500
●11.604 H	SmartCast Test1	27500
●11.604 H	SmartCast Test2	27500
11.604 H	Super RTL CH	27500
●11.604 H	Test Channel	27500
11.604 H	TR2 Sat	27500
11.604 H	Wala3 Arab tv	27500
11.604 H	Xtele.tv	27500
●11.604 H	DW-FEED1	27500
11.604 H	DW-FM02	27500
11.604 H	DW-FM03	27500
11.604 H	DW-FM04	27500
●11.604 H	DW-FM06	27500
●11.604 H	DW-FM07	27500
11.604 H	DW-M	27500
11.604 H	DW01	27500
11.604 H	DW02	27500
11.604 H	DW03	27500
11.604 H	DW04	27500
11.604 H	DW05	27500
11.604 H	DW06	27500
11.604 H	DW08	27500
11.604 H	DW09	27500
11.604 H	RNW-4	27500
11.623 V	KBS WORLD	27500
11.623 V	' 'SexySat3	27500
●11.623 V	123 Sat	27500
11.623 V	ARTE	27500
11.623 V	ARTE	27500
●11.623 V	Arte & Arte Channel	27500
11.623 V	Best of Shopping	27500
11.623 V	CARISMA TV	27500
11.623 V	Cartomanzia LOTTO	27500
11.623 V	ITALIA CHANNEL	27500
●11.623 V	K+	27500
11.623 V	RTL 102.5 TV	27500
11.623 V	TV ROMANIA	27500
11.623 V	Videosexy TV	27500
11.623 V	ARTE Radio.com	27500
●11.623 V	Guardia Costiera	27500
11.623 V	R.CLASSICA	27500
11.623 V	Radio Romania Intern	27500
11.623 V	Romania in Direct	27500
11.623 V	RTL 102.5	27500
11.623 V	RTL 102.5 CLASSIC	27500
11.623 V	RTL 102.5 HC	27500
11.623 V	RTL 102.5 ROCK	27500
●11.642 H	Bloomberg Feeds (B	27500
●11.642 H	Bloomberg Feeds (B	27500
●11.642 H	Bloomberg Feeds (B	27500
●11.642 H	Bloomberg Feeds (B	27500
●11.642 H	Bloomberg Feeds (B	27500
●11.642 H	Bloomberg Feeds (B	27500
●11.642 H	Bloomberg Feeds (E	27500
●11.642 H	Bloomberg Feeds (Mir	27500
●11.642 H	Bloomberg Feeds (S	27500
11.642 H	Bloomberg Feeds (Sma	27500
●11.642 H	Bloomberg Feeds (Era	27500
●11.642 H	Bloomberg Feeds (Era	27500
●11.642 H	Bloomberg Feeds (Era	27500
●11.642 H	Bloomberg Feeds (Era	27500
●11.642 H	Bloomberg Feeds (Era	27500
●11.642 H	Bloomberg Feeds (Fil	27500
11.662 V	13ème RUE	27500
11.662 V	COMEDIE!	27500
11.662 V	MULTIVISION 1	27500
11.662 V	MULTIVISION 2	27500
11.662 V	MULTIVISION 3	27500
11.662 V	MULTIVISION 4	27500
11.662 V	MULTIVISION 5	27500
11.662 V	MULTIVISION 6	27500
11.662 V	MULTIVISION 7	27500
11.662 V	OM TV	27500
11.662 V	SPORT+	27500
11.662 V	MULTIVISION	27500
11.662 V	MULTIVISION.	27500
11.662 V	CANAL+	27500
11.662 V	CANAL+ CINEMA	27500
11.662 V	CANAL+ DECALE	27500
11.662 V	CANAL+ HI-TECH	27500
11.662 V	CANAL+ SPORT	27500
11.662 V	Mathilda	27500
11.662 V	PPV_OPTV	27500
11.662 V	quizz_Satisfaction	27500
11.662 V	TELESHOPPING	27500
11.662 V	TFOU	27500
11.681 H	AB MOTEURS	27500
●11.681 H	AB1	27500
11.681 H	ACTION	27500
11.681 H	ANIMAUX	27500
11.681 H	CHASSE & PECHE	27500
11.681 H	ENCYCLOPEDIA	27500
11.681 H	ESCALES	27500
11.681 H	MANGAS	27500
11.681 H	RTL9	27500
●11.681 H	TEST 11	27500
●11.681 H	test_4	27500
●11.681 H	test_5	27500
●11.681 H	test_6	27500
11.681 H	XXL	27500
11.681 H	XXL PL	27500
●11.681 H	ANIMAUX	27500
11.681 H	NT1	27500
11.681 H	NT1	27500
11.681 H	TISHK	27500
12.520 V	HRT PLUS	27500
12.520 V	HRT-TV1	27500
12.520 V	HRT-TV2	27500
12.520 V	Health&Beauty TV	27500
12.520 V	Italia 8	27500
12.520 V	Jewels Sorg1	27500
12.520 V	Jewels Sorg2	27500
12.520 V	Jewels Sorg3	27500
12.520 V	LoveWorld	27500
12.520 V	NOELLO SAT	27500
12.520 V	OASI TV	27500
12.520 V	RBC-TV	27500
●12.520 V	TAXI CHANNEL	27500
12.520 V	DALMATIA	27500
12.520 V	HKR	27500
12.520 V	HRT-HR1	27500
12.520 V	HRT-HR2	27500
12.520 V	HRT-HR3	27500
12.520 V	MEDIASERVIS	27500
12.520 V	Narodni radio	27500
12.520 V	OTVORENI	27500
12.520 V	PEVEC RADIO	27500
12.520 V	R MIR M	27500
12.520 V	Radio Banovina	27500
12.520 V	RADIO MARIJA	27500
12.520 V	RKC	27500
12.520 V	VOICE OF CRO	27500
12.540 H	A3	27500
12.540 H	AL NILE	27500
12.540 H	BLUTV	27500
●12.540 H	Bulgaria TV	27500
12.540 H	Canal Algerie	27500
12.540 H	DIRECT 8	27500
12.540 H	DIRECT 8	27500
12.540 H	MEDIOLANUM	27500
12.540 H	Nile TV Internationa	27500
12.540 H	RETE ORO	27500
12.540 H	SPORTS TEST	27500
12.540 H	TV8 Mt Blanc	27500
12.540 H	Al moagehat	27500
●12.540 H	Bulgaria Radio	27500
12.540 H	Chaine 1	27500
12.540 H	Chaine 2	27500
12.540 H	El Shark El Awsat	27500
12.540 H	KISS PLUS WIEN	27500
12.540 H	Radio Internationale	27500
12.540 H	Data_01	27500
12.540 H	Data_02	27500
12.540 H	HitCast Data 1	27500
12.540 H	Network	27500
12.540 H	SKY MEDIO	27500
●12.540 H	Skygate 600	27500
12.540 H	Skygate BLU TV	27500
12.540 H	SKYGATE ERTU	27500
12.540 H	Skygate RTORO	27500
12.540 H	skygateTDA	27500
●12.540 H	Skyplex 10.2	27500
12.540 H	Skyplex RMB	27500
12.540 H	SKYPLEX TXP91	27500
●12.558 V	BHT 1	27500
12.558 V	CONTO TV 1	27500
12.558 V	CONTO TV 2	27500
12.558 V	Administra.it - FLTV	27500
●12.558 V	AL JAZEERA CHILDR	27500
12.558 V	CONTO TV	27500
12.558 V	COOLtv	27500
●12.558 V	LA 8	27500
●12.558 V	T. R. Padre Pio	27500
12.558 V	BH Radio 1	27500
12.558 V	Oldies Radio	27500
●12.558 V	alenia	27500
●12.558 V	alenia	27500
●12.558 V	alenia	27500
●12.558 V	alenia	27500
●12.558 V	alenia	27500
●12.558 V	alenia	27500
●12.558 V	AleniaSpazio	27500
●12.558 V	AleniaSpazio	27500
●12.558 V	AleniaSpazio	27500
●12.558 V	AleniaSpazio	27500
●12.558 V	AleniaSpazio	27500
●12.558 V	AleniaSpazio	27500
●12.558 V	AleniaSpazio	27500
●12.558 V	AleniaSpazio	27500
●12.558 V	CID02002a01	27500
●12.558 V	CID08003a00	27500
●12.558 V	CID08003a01	27500
●12.558 V	CID08003a02	27500
●12.558 V	CID09000200	27500
●12.558 V	CID09000201	27500
●12.558 V	CID09000202	27500
●12.558 V	CID09000203	27500
●12.558 V	CID09000501	27500
●12.558 V	CID09000901	27500
●12.558 V	CID09002d00	27500
●12.558 V	CID09002e00	27500
●12.558 V	CID09003000	27500
●12.558 V	CID0b002901	27500
●12.558 V	CID0b002a00	27500
●12.558 V	CID0b002a00	27500
●12.558 V	CRF Lario	27500
●12.558 V	CRF-Perugia	27500
●12.558 V	CSF-CELIO	27500
●12.558 V	CSF-Viminale	27500
●12.558 V	dvb1	27500
12.558 V	ITA-FOC-17(SKY2)	27500
●12.558 V	Network	27500
●12.558 V	Network	27500
●12.558 V	Network	27500
12.558 V	QAT-DOH-008	27500
●12.558 V	SIMS Signaling	27500
●12.558 V	SIMS Signaling	27500
●12.558 V	SIMS Signaling	27500
●12.558 V	SIMS Signaling	27500
●12.558 V	SIMS Signaling	27500
●12.558 V	SIMS Signaling	27500
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●12.558 V	SIMS Signaling	27500
●12.558 V	SIMS Signaling	27500
●12.558 V	SIMS Signaling	27500
12.558 V	skn-92-8	27500
●12.558 V	skygate24	27500
●12.558 V	skygate27	27500
12.558 V	SkyPlex CHID 4	27500
●12.558 V	Skyplex Internal	27500
12.558 V	SKYPLEX TXP92	27500
●12.558 V	vfsat5	27500
12.577 H	PINK EXTRA	27500
12.577 H	pink plus	27500
12.577 H	' 'SexySat4	27500
12.577 H	ARM 1	27500
12.577 H	DAN TV2	27500
12.577 H	Etruria Channel	27500
12.577 H	Full X4 Free	27500
12.577 H	Hope Channel	27500
12.577 H	Hope Channel 2	27500
12.577 H	JET	27500
12.577 H	LibertyTV FR	27500
12.577 H	LibertyTV NL	27500
12.577 H	TELESUD	27500
12.577 H	ORU Radio	27500
12.577 H	RADIO PINK	27500
12.577 H	RD1 Radio ARMENIA	27500
●12.577 H	WorldSat	27500
12.577 H	worldsat-o	27500
12.597 V	CNNi	27500
12.597 V	JSTV1	27500
12.597 V	JSTV2	27500
12.597 V	BBC World	27500
12.597 V	C1R-Europe	27500
12.597 V	Euronews	27500
12.597 V	KTO	27500
12.597 V	Planeta Sport	27500
12.597 V	AWR Radio 128Kbit	27500
12.597 V	Family Europe	27500
12.597 V	Family Int 1	27500
12.597 V	Family Int 2	27500
12.597 V	GBTS1	27500
12.597 V	GBTS2	27500
12.597 V	Holiday FM	27500
12.597 V	IBC TAMIL RADIO	27500
12.597 V	RCI 1	27500
12.597 V	RCI 2	27500
12.597 V	RCI 3	27500
12.597 V	RTE	27500
12.597 V	SedayeIran	27500
12.597 V	TBC London	27500
12.597 V	The Voice	27500
12.597 V	VTCSW1	27500
12.597 V	VTCSW2	27500
12.597 V	WRN Deutsch	27500
12.597 V	WRN Eng AAP	27500
12.597 V	WRN English	27500
12.597 V	WRN Events	27500
12.597 V	WRN Francais	27500
12.597 V	WRN Mul AAP	27500
12.597 V	WRN Russkij	27500
12.597 V	WRN Sawt Al Alam	27500
12.597 V	YLESAT 1	27500
12.597 V	YLESAT 2	27500
12.597 V	Quadriga	27500

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HOT008KB

Freq GHz	Pol	Channel Name	Symbol rate
10.719	V	CANAL+ Sport HD	27500
●10.719	V	DTV 4	27500
10.719	V	EUROSPORT 2	27500
10.719	V	INFO+/C+ Sport2	27500
10.719	V	MINIMINI	27500
10.719	V	PLANETE	27500
10.719	V	TV 4	27500
10.719	V	4fun.TV	27500
10.719	V	Music Choice 3	27500
10.719	V	Music Choice 4	27500
10.719	V	Music Choice Pop	27500
10.719	V	Music Choice Swiat	27500
10.719	V	ESP	27500
●10.719	V	ST	27500
●10.723	H	AXN	29900
●10.723	H	AXN Crime	29900
●10.723	H	AXN Sci-Fi	29900
●10.723	H	Discovery Historia	29900
10.723	H	10.722 H	29900
10.723	H	AL JAZEERA SP+1	29900
10.723	H	AL JAZEERA SP+2	29900
10.723	H	ANT1 EUROPE	29900
10.723	H	Deepam TV	29900
10.723	H	ANT1 EUROPE PROMO	29900
10.723	H	DIYAR-ARABESQUE	29900
10.723	H	MTA INTL	29900
10.723	H	RTPi	29900
10.723	H	NPR	29900
10.723	H	Radio A1	29900
10.723	H	RDPi Radio	29900
●10.758	V	C Cinéma Classic	27500
●10.758	V	C Cinéma Culte	27500
●10.758	V	C Cinéma Emotion	27500
●10.758	V	C Cinéma Famiz	27500
●10.758	V	C Cinéma Frisson	27500
●10.758	V	C Cinéma Premier	27500
●10.758	V	C Cinéma Premier 16/	27500
●10.758	V	C Cinéma Star	27500
10.758	V	TPS Star	27500
●10.758	V	France Bleu	27500
10.758	V	France Vivace	27500
●10.758	V	Playin TV Outlist	27500
●10.758	V	Sud Radio	27500
●10.758	V	TPS & Vous	27500
●10.758	V	Canal+	27500
10.758	V	Playin TV	27500
10.758	V	PRIVATE SPICE	27500
10.758	V	RADIO2000	27500
10.758	V	Tests terminaux	27500
10.758	V	X X L	27500
10.796	V	Fun TV	27500
10.796	V	Infosport	27500
10.796	V	M6 Music Hits	27500
●10.796	V	Paris Première	27500
10.796	V	Piwi	27500
●10.796	V	Planète Juniors	27500
10.796	V	SECRET STORY	27500
10.796	V	SIC	27500
10.796	V	Série Club	27500
●10.796	V	Teletoon Africa	27500
10.796	V	TPS Foot	27500
10.796	V	Télétoon	27500
10.796	V	Téva	27500
10.796	V	France Info	27500
10.796	V	France Inter	27500
●10.796	V	Radio FG	27500
10.796	V	Quizz_TF1	27500
10.892	H	119 test 1 E	27500
10.892	H	119 test 1. E	27500
10.892	H	119 test 2 E	27500
10.892	H	119 test 2. E	27500
10.892	H	119 test 3 E	27500
10.892	H	119 test 3. E	27500
10.892	H	ALE KINO!	27500
10.892	H	CANAL+	27500
10.892	H	CANAL+ FILM	27500
10.892	H	CANAL+ SPORT	27500
10.892	H	DTV CABLE	27500
10.892	H	DTV CABLE 2	27500
10.892	H	DTV CABLE 3	27500
10.892	H	H test 1	27500
10.892	H	H test 2	27500
10.892	H	H test 3	27500
10.892	H	JETIX	27500
10.892	H	KUCHNIA.TV	27500
10.892	H	TVP 1	27500
10.892	H	TVP 2	27500
10.892	H	ZigZap	27500
10.892	H	ZONE CLUB	27500
10.892	H	CYFRA+ RADIO	27500
10.892	H	CYFRA+ RMF	27500
10.892	H	tech	27500
10.892	H	tech 2	27500
10.892	H	CYFRA+ PR	27500
10.892	H	PHILIPS DOWNLOAD	27500
10.911	V	PLANETE THALASSA	27500
10.911	V	Eurosport	27500
10.911	V	Histoire	27500
10.911	V	LCI	27500
10.911	V	M6	27500
10.911	V	M6	27500
10.911	V	Odyssée	27500
10.911	V	Privatespice	27500
10.911	V	TF1	27500
10.911	V	TF1	27500
10.911	V	TF6	27500
10.911	V	TFOU	27500
10.911	V	Télétoon+1	27500
10.911	V	Météo Express	27500
10.911	V	BFM	27500
10.911	V	CONTACT FM	27500
10.911	V	SKYROCK	27500
10.911	V	SPORT FM	27500
10.911	V	BANDIAGARA	27500
10.911	V	FIP	27500
10.911	V	France Culture	27500
10.911	V	France Musique	27500
10.911	V	Le Mouv'	27500
●10.911	V	Météo Express	27500
10.911	V	RADIO COURTOISIE	27500
10.911	V	RFI	27500
10.911	V	CodesAchatSECSI	27500
●10.930	H	A TEST	27500
10.930	H	Animal Planet	27500
10.930	H	FILMNET1 Cy	27500
10.930	H	FILMNET2	27500
10.930	H	FILMNET2 Cy	27500
10.930	H	MGM	27500
10.930	H	MTV	27500
10.930	H	National Geographic	27500
●10.930	H	OTV Test	27500
●10.930	H	SIGMA SPORTS 1	27500
●10.930	H	SIGMA SPORTS 2	27500
10.930	H	SSExtra 2	27500
10.930	H	SuperSport1 Cy	27500
10.930	H	SuperSport3	27500
10.930	H	SuperSport3 Cy	27500
●10.930	H	Travel Channel	27500
10.930	H	VH1	27500
10.930	H	CY Feed	27500
10.930	H	NOVA SCOPE	27500
10.930	H	Radio Gold	27500
●10.930	H	REAL FM	27500
10.930	H	SS FM	27500
10.930	H	Eepg	27500
10.930	H	EEPG	27500
10.930	H	OTV PVR	27500
●10.949	V	Cartoon Network	27500
●10.949	V	CN/TCM CEE Combo	27500
●10.949	V	Disney Channel	27500
●10.949	V	Turner Classic Movie	27500
●10.949	V	Al Forat	27500
●10.949	V	Al Hiwar TV	27500
●10.949	V	All Music	27500
●10.949	V	ANB	27500
●10.949	V	DMC TV	27500
●10.949	V	Gemini TV	27500
●10.949	V	Noursat	27500
●10.949	V	Rete Capri	27500
●10.949	V	Sun KTV	27500
●10.949	V	Sun TV +442083356780	27500
●10.949	V	Al Forat Radio	27500
●10.949	V	IRN	27500
●10.949	V	Radio Capri	27500
●10.949	V	Suryan Radio	27500
●11.727	V	An Planet	27500
●11.727	V	Disc Chnl	27500
●11.727	V	Disc Civ	27500
●11.727	V	Disc Science	27500
●11.727	V	Trav + Leisure	27500
●11.727	V	BBC Arabic	27500
11.727	V	Infochannel	27500
11.727	V	Iran TV	27500
11.727	V	Nepali	27500
11.727	V	Sardegna Uno	27500
11.727	V	Sardinia	27500
11.727	V	SET	27500
11.727	V	Sicilia Int	27500
11.727	V	Telefortune	27500
11.727	V	TRSP	27500
11.727	V	Zagros Tv	27500
11.727	V	BBC Albanian	27500
11.727	V	BBC Arabic	27500
11.727	V	BBC Azeri	27500
11.727	V	BBC Balkans	27500
11.727	V	BBC English (Europe)	27500
11.727	V	BBC English Mid-Ea	27500
11.727	V	BBC English News	27500
11.727	V	BBC Feed 1	27500
●11.727	V	BBC Feed 2	27500
●11.727	V	BBC Feed 3	27500
●11.727	V	BBC Feed 4	27500
●11.727	V	BBC Feed 5	27500
●11.727	V	BBC Feed 6	27500
11.727	V	BBC Persian	27500
11.727	V	BBC Romanian	27500
11.727	V	BBC Russian	27500
11.727	V	BBC Turkish	27500
11.727	V	BBC Ukrainian	27500
11.727	V	Zagros Radio	27500
11.746	H	AL ARABIYA	27500
11.746	H	AL-AQARIYA	27500
11.746	H	Dubai Sports	27500
11.746	H	Dubai TV.	27500
11.746	H	INFINITY	27500
11.746	H	MBC Maghreb Al-Ara	27500

Freq GHz	Pol	Channel Name	Symbol rate
11.746	H	ME SHOP	27500
11.746	H	PMC	27500
11.746	H	Sama Dubai	27500
11.746	H	SHARQIYA	27500
11.746	H	EDTV Radio 1	27500
11.746	H	EDTV Radio 2	27500
11.766	V	RAI1	27500
11.766	V	RAI2	27500
11.766	V	RAI3	27500
11.766	V	RaiEdu2	27500
11.766	V	RaiMed	27500
11.766	V	RaiUtile	27500
11.766	V	Senato	27500
11.766	V	FD leggera	27500
11.766	V	Notturno italiano	27500
11.766	V	download	27500
11.785	H	Al-Hayat	27500
11.785	H	Arablive	27500
11.785	H	Canal 24 Horas	27500
11.785	H	Channel One	27500
11.785	H	ERO LIVE 1	27500
11.785	H	ERO PULSE	27500
11.785	H	GAY.TV	27500
11.785	H	IGHRA	27500
●11.785	H	Kontaktchance.tv	27500
11.785	H	MARE TV	27500
11.785	H	Open Access	27500
11.785	H	R1	27500
11.785	H	SAT EROTICA	27500
●11.785	H	Subacquea	27500
●11.785	H	TSA TV 1	27500
●11.785	H	TSA TV 2	27500
●11.785	H	TSA TV 3	27500
11.785	H	TVE Internacional	27500
11.785	H	TVE Internacional As	27500
11.785	H	VIP.TV	27500
●11.785	H	Aktiv-FM	27500
11.785	H	Radio 1	27500
11.785	H	Radio 3	27500
11.785	H	Radio 4	27500
11.785	H	Radio 5	27500
11.785	H	Radio Clasica	27500
11.785	H	Radio Exterior	27500
11.785	H	RNE Contribucion	27500
11.804	V	Camera Deputati	27500
11.804	V	Rai Edu1	27500
11.804	V	Rai Gulp	27500
11.804	V	RaiNettunoSat1	27500
11.804	V	RaiNettunoSat2	27500
11.804	V	RaiNotizie24	27500
11.804	V	RaiSportSat	27500
11.804	V	RaiTest	27500
11.804	V	SAT2000	27500
11.804	V	BLUSAT2000	27500
11.804	V	DAB	27500
11.804	V	FD auditorium	27500
11.804	V	GR Parlam.	27500
11.804	V	Isoradio	27500
11.804	V	Radio Vaticana	27500
11.804	V	RADIODUE	27500
11.804	V	RADIOTRE	27500
11.804	V	RADIOUNO	27500
11.823	H	R11	27500
11.823	H	ALPHA TV	27500
11.823	H	ALTER	27500
11.823	H	ANT-1	27500
11.823	H	DS Test	27500
11.823	H	FILMNET1	27500
11.823	H	JETIX	27500
11.823	H	MEGA	27500
11.823	H	R1	27500
11.823	H	R12	27500
11.823	H	R13	27500
11.823	H	R3	27500
11.823	H	R4	27500
11.823	H	R5	27500
11.823	H	R6	27500
11.823	H	SSExtra 1	27500
11.823	H	STAR	27500
11.823	H	SuperSport1	27500
11.823	H	SuperSport1	27500
●11.823	H	Test2	27500
11.823	H	Greek Church	27500
11.823	H	Love Radio	27500
11.823	H	Melodi Radio	27500
11.823	H	RR1	27500
●11.823	H	RR3	27500
11.823	H	Skai Radio	27500
11.843	V	Caccia e Pesca	27500
11.843	V	Fox Crime +1	27500
11.843	V	Jimmy	27500
11.843	V	MotoTV	27500
11.843	V	Sailing Channel	27500
11.843	V	SKY Inside	27500
11.843	V	SKY Inside	27500
11.843	V	SKY Inside	27500
11.843	V	SKY Inside	27500
11.843	V	SKY Inside	27500
11.843	V	SKY Inside	27500
11.843	V	SKY Play IT	27500
11.843	V	SKY Play IT	27500
11.843	V	SKY Sound	27500
11.843	V	DI561	27500
11.843	V	DI562	27500
11.843	V	IEPG Data	27500
11.843	V	Playjam	27500
11.843	V	Zona Giochi	27500
11.862	H	Comedy Central	27500
11.862	H	Discovery Civil.	27500
11.862	H	Discovery Sci	27500
11.862	H	Discovery Travel	27500
11.862	H	Eurosport	27500
11.862	H	Eurosport 2	27500
11.862	H	EurosportNews	27500
11.862	H	Nickelodeon	27500
11.862	H	Rock TV	27500
11.862	H	Sportitalia	27500
11.862	H	VideoItalia	27500
11.862	H	IEPG Data	27500
11.881	V	Alice	27500
11.881	V	Fantasy	27500
11.881	V	Fox +1	27500
11.881	V	Leonardo	27500
11.881	V	Marcopolo	27500
●11.881	V	NatGeo Wild	27500
11.881	V	Nuvolari	27500
11.881	V	IEPG Data	27500
11.881	V	DI582	27500
11.881	V	DI583	27500
11.881	V	Gestione Collegam. T	27500
11.881	V	Prima Fila	27500
11.900	H	Animal Planet	27500
11.900	H	AXN	27500
11.900	H	Classica	27500
11.900	H	CNN Intl.	27500
11.900	H	Deejay TV	27500
11.900	H	Discovery Real Time	27500
11.900	H	La7	27500
11.900	H	MTV	27500
11.900	H	MTV Brand New	27500
11.900	H	MTV Hits	27500
11.900	H	Prima Fila 1	27500
11.900	H	IEPG Data	27500
11.919	V	Test	27500
11.919	V	Canale 5	27500
●11.919	V	Italia1	27500
11.919	V	Mediashopping	27500
●11.919	V	Rete 4	27500
11.919	V	Radio Mater	27500
11.938	H	FILMNET3 Cy	27500
11.938	H	Chasse & Peche	27500
11.938	H	E! Entertainment	27500
11.938	H	FILMNET3	27500
11.938	H	Motors TV	27500
11.938	H	Playboy TV	27500
11.938	H	Playboy TV Cy	27500
11.938	H	Private Spice	27500
11.938	H	Private Spice Cy	27500
11.938	H	SuperSport4	27500
11.938	H	SuperSport4 Cy	27500
11.938	H	SuperSport5	27500
11.938	H	SuperSport6	27500
11.938	H	SuperSport6 Cy	27500
11.938	H	The History Channel	27500
11.938	H	Nova Promo	27500
11.938	H	Mad Radio	27500
11.938	H	KissKiss Radio	27500
11.938	H	GAMES	27500
11.958	V	SKY Sport 2	27500
11.958	V	Disney Channel	27500
11.958	V	Juventus Channel	27500
11.958	V	SKY Sport 1	27500
●11.958	V	SKY SuperCalcio	27500
●11.958	V	Sport Active 1	27500
●11.958	V	Sports Active 2	27500
11.958	V	Sports Active 3	27500
11.958	V	IEPG Data	27500
11.977	H	Cartoon Network	27500
11.977	H	CNBC Europe	27500
11.977	H	Cult	27500
11.977	H	Cultoon	27500
11.977	H	Fox Crime	27500
11.977	H	Fox Life	27500
11.977	H	Fox News	27500
11.977	H	History +1	27500
11.977	H	Jetix	27500
11.977	H	NatGeoAdventur	27500
11.977	H	NationalGeo +1	27500
11.977	H	Sky News	27500
11.977	H	IEPG Data	27500
12.015	H	ART CHILDREN/TARA	27500
12.015	H	ART CINEMA - ARAB	27500
12.015	H	ART HEKAYAT - ARA	27500
12.015	H	ART MOVIES - ARAB	27500
12.015	H	ART MOVIES2 - ARA	27500
12.015	H	ART SPORT 1 - ARA	27500
12.015	H	ART SPORT 2 - ARA	27500
12.015	H	ART SPORT 3 - ARA	27500
12.015	H	ART SPORT 4 - ARA	27500
12.015	H	ART SPORT 5 - ARA	27500
12.015	H	ART SPORT 6 - ARA	27500
12.015	H	ART VARIETY / EUR	27500
12.015	H	FUTURE TV - ARABE	27500
12.015	H	LBC EUROPE - ARAB	27500
12.015	H	NILE DRAMA - ARAB	27500
12.015	H	IQRAA - ARABESQUE	27500
12.034	V	Class CNBC	27500
12.034	V	Discovery	27500
12.034	V	E!	27500
12.034	V	SKY Calcio 1	27500
12.034	V	SKY Mania	27500
12.034	V	SKY Max	27500
12.034	V	SKY Show	27500
12.034	V	SKYCinema 1	27500
12.034	V	SKYCinema 3	27500
12.034	V	IEPG Data	27500
12.054	H	BBC Prime	27500
12.054	H	Bloomberg	27500
12.054	H	Disney Ch. +1	27500
12.054	H	ESPN Classic	27500
12.054	H	Inter Channel	27500
12.054	H	Matchmusic	27500
12.054	H	Milan Channel	27500

Freq GHz	Pol	Channel Name	Symbol rate
12.054	H	Playhouse Disney	27500
12.054	H	SKY Sport 3	27500
12.054	H	SKY Vivo	27500
12.054	H	Toon Disney	27500
12.054	H	IEPG Data	27500
12.073	V	Prima Fila 11	27500
12.073	V	Prima Fila 13	27500
12.073	V	Prima Fila 22	27500
12.073	V	Prima Fila 28	27500
12.073	V	Prima Fila 3	27500
12.073	V	Prima Fila 30	27500
12.073	V	Prima Fila 5	27500
12.073	V	SKY Calcio 2	27500
12.073	V	SKY Calcio 3	27500
12.073	V	SKY Calcio 4	27500
12.073	V	SKY Calcio 5	27500
12.073	V	SKY Calcio 6	27500
12.073	V	SKY Calcio 7	27500
12.073	V	SKY Calcio 8	27500
12.073	V	IEPG Data	27500
●12.092	H	MCT Asian-Ultra	27500
●12.092	H	MCT Elegance-Amateur	27500
●12.092	H	MCT Fantasy-Free	27500
●12.092	H	MCT Gay-Trans	27500
●12.092	H	MCT Lux-Best	27500
●12.092	H	MCT Plus-Glamour	27500
●12.092	H	MCT Premium	27500
●12.092	H	MCT Reality-Full	27500
●12.092	H	MCT Sct	27500
●12.092	H	MCT Sex	27500
●12.092	H	MCT Super-Dream	27500
12.092	H	Redlight German	27500
12.092	H	Redlight Italy	27500
12.092	H	Redlight LATINO	27500
12.092	H	Redlight Mixx	27500
12.092	H	Redlight USA	27500
12.092	H	TELEITALIA	27500
12.092	H	Subacquea	27500
12.092	H	Musicam 1	27500
12.092	H	Musicam 2	27500
12.092	H	Musicam 3	27500
12.092	H	Musicam 4	27500
12.092	H	Musicam 5	27500
12.092	H	Musicam 6	27500
12.092	H	Bolsa	27500
12.111	V	ACM Channel	27500
12.111	V	AL JAZEERA	27500
12.111	V	AlJazeera Documentar	27500
12.111	V	AlJazeera Mubasher	27500
12.111	V	MediterraneoSat	27500
12.111	V	Puglia Channel	27500
12.111	V	Radio Radio Tv	27500
12.111	V	Sicilia Channel	27500
12.111	V	Telemarket 2	27500
●12.111	V	TV della Liberta'	27500
12.111	V	UNOSAT	27500
12.111	V	ANNI 60	27500
12.111	V	DimSuono Roma	27500
12.111	V	DISCORADIO	27500
12.111	V	Popolare	27500
12.111	V	R-Radio	27500
12.111	V	R. SPORTNTW	27500
12.111	V	R.Italia S.m.i.	27500
12.111	V	R.KOLBE-SAT	27500
12.111	V	R.Maria	27500
12.111	V	R.Speranza	27500
12.111	V	Radio Eurospin	27500
12.111	V	Radio GS	27500
12.111	V	RADIO PADANIA	27500
12.111	V	Radio Radicale	27500
12.111	V	Radio ZETA	27500
●12.111	V	RDS	27500
12.111	V	TRBuonconsiglio	27500
12.111	V	Vietnamese PR	27500
12.111	V	OUT IP DATA TS1	27500
12.131	H	Magyar 2	
12.131	H	Bartok Radio	
12.149	V	BLU	27500
●12.149	V	BLU 2	27500
●12.149	V	BLU 3	27500
12.149	V	CCTV4	27500
12.149	V	DunaTV	27500
12.149	V	FUEGO	27500
12.149	V	Khabar TV	27500
12.149	V	LIDER TV AZE	27500
12.149	V	Nessuno TV	27500
●12.149	V	promocja.tv	27500
12.149	V	STUDIO 100 TV	27500
12.149	V	Telelombardia	27500
12.149	V	TR2SAT	27500
12.149	V	TV7 Tunis	27500
12.149	V	Ecoradio	27500
12.149	V	Kossuth	27500
12.149	V	MR N/P	27500
12.149	V	Petofi	27500
12.149	V	R.Citta Futura	27500
12.149	V	R.Tunisie Culture	27500
12.149	V	R.Tunisie Internatio	27500
12.149	V	R.Tunisie Nationale	27500
12.149	V	Radio 24	27500
12.149	V	Radio 6	27500
●12.149	V	Radio Azzurra	27500
●12.149	V	Radio Spazio Aperto	27500
12.149	V	ReteSport	27500
12.149	V	AH-EMP4-DATA	27500
12.169	H	Cartoon	27500
12.169	H	Discovery Channel	27500
12.169	H	E Entertainment	27500
12.169	H	ET-1	27500
12.169	H	ET-3	27500
12.169	H	MACEDONIA TV	27500
12.169	H	MAD T.V	27500
12.169	H	MAD TV	27500
●12.169	H	NET	27500
12.169	H	R10	27500
12.169	H	R14	27500
●12.169	H	R15	27500
12.169	H	R7	27500
12.169	H	R8	27500
12.169	H	R9	27500
●12.169	H	SKAI TV	27500
12.169	H	SuperSport2	27500
12.169	H	SuperSport2 Cy	27500
12.169	H	SuperSport7	27500
12.169	H	SuperSport7 Cy	27500
12.169	H	TCM	27500
●12.169	H	Test TX	27500
12.169	H	ουλή	27500
12.169	H	ERA SPORT	27500
12.169	H	ERA1	27500
12.169	H	ERA2	27500
12.169	H	ERA3	27500
12.169	H	MAD MUSIC Hits G	27500
12.169	H	Mad Music Seasonal	27500
12.169	H	MAD MUSIC Greek	27500
12.169	H	Mad Music Greek Cy	27500
12.169	H	Mad Music Hits GR	27500
12.169	H	MAD MUSIC My Rock	27500
12.169	H	Mad Music My Rock Cy	27500
12.169	H	MAD MUSIC Rebetico	27500
12.169	H	Mad Music Rebetico C	27500
12.169	H	MAD MUSIC Seasonal	27500
12.188	V	Animal Planet	27500
12.188	V	AXN	27500
12.188	V	AXN Crime	27500
12.188	V	AXN Sci-Fi	27500
12.188	V	Cinemax2	27500
12.188	V	Discovery	27500
12.188	V	ESPN	27500
12.188	V	Extreme Sports	27500
12.188	V	FoxLife	27500
12.188	V	Jetix	27500
12.188	V	KINO POLSKA	27500
12.188	V	Test_P	27500
12.188	V	TVP1	27500
12.188	V	TVP2	27500
12.188	V	Zone Romantica	27500
12.188	V	EpgOpenTV	27500
12.188	V	01 41 01 06	27500
12.188	V	02010015	27500
12.188	V	0202000D	27500
12.188	V	samsung2	27500
12.207	H	Free-X TV	27500
12.207	H	FREE-XTV 2	27500
12.207	H	XDream TV	27500
●12.207	H	3ABN International	27500
12.207	H	Arirang TV	27500
12.207	H	Asianet	27500
12.207	H	CNL	27500
12.207	H	F men	27500
12.207	H	Fashion TV	27500
12.207	H	KURDsat	27500
12.207	H	Newroz	27500
12.207	H	Pars TV	27500
12.207	H	Rojhelat	27500
●12.207	H	SAMA FM TV	27500
12.207	H	TCT	27500
12.207	H	Thai Global Network	27500
12.207	H	VTV4	27500
12.207	H	3ABN Radio	27500
12.207	H	Christian Voice	27500
12.207	H	FBN	27500
12.207	H	Hornafrik Somalia	27500
12.207	H	Music Box Radio	27500
12.207	H	Overcomer Radio	27500
12.207	H	SWISS MUSIC RADIO	27500
12.207	H	TGN Radio	27500
12.207	H	VOV Radio	27500
●12.226	V	Al Hurra-Europe TV	27500
●12.226	V	IBB OS Download 8	27500
●12.226	V	IBB OS Download 9	27500
●12.226	V	IBB TV Dedicated C	27500
●12.226	V	IBB TV Dedicated C	27500
●12.226	V	IBB VOA RFERL Rad	27500
●12.226	V	IBB VOA RFERL Rad	27500
●12.226	V	IBB VOA RFERL Rad	27500
●12.226	V	IBB VOA RFERL Rad	27500
●12.226	V	IBB VOA RFERL Rad	27500
●12.226	V	IBB VOA RFERL Rad	27500
●12.226	V	IBB VOA RFERL Rad	27500
●12.226	V	IBB VOA RFERL Rad	27500
●12.226	V	IBB VOA RFERL Rad	27500
●12.226	V	IBB VOA RFERL Rad	27500
●12.226	V	IBB VOA RFERL Rad	27500
●12.226	V	IBB VOA RFERL Rad	27500
●12.226	V	IBB VOA RFERL Rad	27500
●12.226	V	IBB VOA RFERL Rad	27500
●12.226	V	IBB VOA RFERL Rad	27500
●12.226	V	IBB VOA RFERL Rad	27500
●12.226	V	VNN TEST 400	27500
●12.226	V	VOA Music Mix 260	27500
●12.226	V	VOA Music Mix 261	27500
●12.226	V	VOA Music Mix 262	27500
●12.226	V	VOA Music Mix 268	27500
●12.226	V	VOA Persian TV 295	27500
●12.226	V	VOA Persian TV 298	27500
●12.226	V	VOA TV 1 (HB1-8)	27500
●12.226	V	VOA TV 100 (HB1-4)	27500
●12.226	V	VOA TV 240 (HB1-8)	27500
●12.226	V	VOA TV 241 (HB1-2,	27500
●12.226	V	VOA TV 242 (HB1-2,	27500
●12.226	V	VOA TV 250 (HB1-8)	27500
●12.226	V	VOA TV 251 (HB1-2,	27500

Freq GHz	Pol	Channel Name	Symbol rate
●12.226	V	VOA TV 252 (HB1-2,	27500
●12.226	V	Farda Radio 119	27500
●12.226	V	Farda Radio 294	27500
●12.226	V	Farda Radio 306	27500
●12.226	V	IBB VOA Radio 107	27500
●12.226	V	IBB VOA RFERL Rad	27500
●12.226	V	IBB VOA RFERL Rad	27500
●12.226	V	IBB VOA RFERL Rad	27500
●12.226	V	IBB VOA RFERL Rad	27500
●12.226	V	IBB VOA RFERL Rad	27500
●12.226	V	IBB VOA RFERL Rad	27500
●12.226	V	IBB VOA RFERL Rad	27500
●12.226	V	IBB VOA RFERL Rad	27500
●12.226	V	IBB VOA RFERL Rad	27500
●12.226	V	IBB VOA RFERL Rad	27500
●12.226	V	IBB VOA RFERL Rad	27500
●12.226	V	Sawa Egypt Radio 116	27500
●12.226	V	Sawa Egypt Radio 290	27500
●12.226	V	Sawa Egypt Radio 293	27500
●12.226	V	Sawa Egypt Radio 302	27500
●12.226	V	Sawa Gulf Radio 117	27500
●12.226	V	Sawa Gulf Radio 291	27500
●12.226	V	Sawa Gulf Radio 303	27500
●12.226	V	Sawa Iraq Radio 115	27500
●12.226	V	Sawa Iraq Radio 283	27500
●12.226	V	Sawa Iraq Radio 301	27500
●12.226	V	Sawa Lebanon Radio 1	27500
●12.226	V	Sawa Lebanon Radio 2	27500
●12.226	V	Sawa Lebanon Radio 3	27500
●12.226	V	Sawa Levant Radio 11	27500
●12.226	V	Sawa Levant Radio 28	27500
●12.226	V	Sawa Levant Radio 30	27500
●12.226	V	Sawa N. Africa Radio	27500
●12.226	V	Sawa N. Africa Radio	27500
●12.226	V	Sawa N. Africa Radio	27500
●12.226	V	Sawa Sudan Radio 122	27500
●12.226	V	Sawa Sudan Radio 297	27500
●12.226	V	Sawa Sudan Radio 305	27500
●12.226	V	VOA Music Mix 104	27500
●12.226	V	VOA Urdu Radio 310	27500
12.245	H	Canal J	27500
12.245	H	FILLES TV	27500
12.245	H	ITELE	27500
12.245	H	ITELE	27500
12.245	H	MEZZO	27500
12.245	H	Private Spice	27500
12.245	H	TIJI	27500
12.245	H	' 'SexySat2	27500
12.245	H	AZ TV	27500
12.245	H	Coming Soon	27500
12.245	H	DAN TV	27500
12.245	H	EUROPE 2 TV	27500
12.245	H	EUROPE 2 TV	27500
12.245	H	Gulli	27500
12.245	H	Gulli	27500
12.245	H	HOLY GOD	27500
12.245	H	PTV	27500
12.245	H	Rainbow TV	27500
●12.245	H	Dan TAMIL ALAI Ra	27500
12.245	H	Israel 2000	27500
12.245	H	RADIO ORIENT	27500
12.245	H	RCF	27500
●12.265	V	SmartCast Test 2	27500
●12.265	V	SmartCast Test 3	27500
12.285	H	Boomerang	27500
12.285	H	Civilisation	27500
12.285	H	Dla Abonentow	27500
12.285	H	E!	27500
12.285	H	Jetix Play	27500
12.285	H	Playboy	27500
12.285	H	Science	27500
12.285	H	Travel	27500
12.285	H	TV1000	27500
12.285	H	Zone Club	27500
12.285	H	Zone Europa	27500
12.285	H	Zone Reality	27500
12.285	H	Jedynka - PR	27500
12.285	H	Jedynka - PR	27500
12.285	H	Radio Polonia	27500
12.285	H	Radio Polonia	27500
12.285	H	RMF FM	27500
12.285	H	RMF FM	27500
12.285	H	Test Radio 2	27500
12.285	H	Trójka - PR	27500
12.285	H	Trójka - PR	27500
12.285	H	eMail	27500
12.285	H	Pogoda	27500
12.285	H	Portal ITV	27500
12.285	H	Radio Plus	27500
12.285	H	RADIO PLUS	27500
12.285	H	Radio ZET	27500
12.285	H	Radio ZET	27500
12.285	H	Radiostacja	27500
12.285	H	Radiostacja	27500
12.285	H	RMF Classic	27500
12.285	H	RMF Classic	27500
12.285	H	RMF MAXXX	27500
12.285	H	RMF MAXXX	27500
12.285	H	Test	27500
12.285	H	01 34 01 16	27500
●12.285	H	CP_Download	27500
12.285	H	EDCPS	27500
12.285	H	SCM Download	27500
12.285	H	Techniczny	27500
12.303	V	CRO MUSIC CHANNEL	27500
12.303	V	NTV HAYAT SAT	27500
12.303	V	BLU LINE	27500
12.303	V	BVN-TV	27500
12.303	V	COOLtv	27500
12.303	V	DANCE TV	27500
12.303	V	Diva Futura LIVE	27500
12.303	V	ITALIAN MUSIC	27500
●12.303	V	Kanal e Jadid	27500
●12.303	V	LOVEWORLD	27500
●12.303	V	NAPOLI INT	27500
12.303	V	OASI.TV	27500
12.303	V	PLEASURE TV	27500
12.303	V	SEXY CHANNEL	27500
12.303	V	SLO-TV1	27500
12.303	V	SLO-TV2	27500
12.303	V	SLO-TV3	27500
12.303	V	TV K-C	27500
12.303	V	TV SLJEME	27500
12.303	V	XL Tv	27500
12.303	V	CAPODISTRIA	27500
●12.303	V	RA.OGNJISCE SI	27500
12.303	V	RADIO SI	27500
12.303	V	RNW-1	27500
12.303	V	RNW-2	27500
12.303	V	SLO-RA1-INF	27500
12.303	V	SLO-RA2	27500
12.303	V	SLO-RA3	27500
12.322	H	ESP2 Hungary	27500
12.322	H	ESP2 Romania	27500
12.322	H	HBO COMEDY	27500
12.322	H	RTVi	27500
12.322	H	RTVi DETSKY MIR/T	27500
12.322	H	RTVi NASHE KINO	27500
12.322	H	RTVi-M	27500
12.322	H	TRACE TV	27500
12.322	H	France 24 (in Arabic	27500
12.322	H	Italy and Italy	27500
12.322	H	RIT-TV	27500
12.322	H	RTVi info	27500
12.322	H	World Fashion	27500
12.322	H	DOINA - KISS RADI	27500
12.322	H	GRAND	27500
12.322	H	KISS Radio	27500
12.322	H	KISS ROM	27500
12.322	H	Lijepa nasa (LINA)	27500
12.322	H	MB Radio PARIS	27500
12.322	H	MegaRadio	27500
12.322	H	PEIRAIKI EKKLISIA	27500
12.322	H	Radio Azadegan	27500
12.322	H	Radio Dijla	27500
12.322	H	RADIO FLES	27500
●12.322	H	Radio Pink Int.	27500
12.322	H	RADIO S BEOGRAD	27500
12.322	H	Radio SRNA-BOSANK	27500
12.322	H	Radio SvetPLUS	27500
12.322	H	RAM RAJ RADIO	27500
12.322	H	TREF Radio	27500
12.322	H	VULKAN radio	27500
12.322	H	YU PLANET BEC	27500
12.341	V	Prima Fila 16	27500
12.341	V	Prima Fila 20	27500
12.341	V	Prima Fila 24	27500
12.341	V	Prima Fila 26	27500
12.341	V	Prima Fila 8	27500
12.341	V	SKY Calcio 10	27500
12.341	V	SKY Calcio 11	27500
12.341	V	SKY Calcio 12	27500
12.341	V	SKY Calcio 13	27500
12.341	V	SKY Calcio 14	27500
12.341	V	SKY Calcio 9	27500
12.341	V	SKY Sport 16:9	27500
12.341	V	SKY Sport Extra	27500
12.341	V	IEPG Data	27500
12.360	H	SEX VIEW 247	27500
12.360	H	SEX VIEW CLIMAX	27500
12.360	H	SEX VIEW DP	27500
12.360	H	SEX VIEW EXTRA	27500
12.360	H	SEX VIEW EXTREME	27500
12.360	H	SEX VIEW GAY	27500
12.360	H	SEX VIEW HOT	27500
12.360	H	SEX VIEW INFO	27500
12.360	H	SEX VIEW INTER	27500
12.360	H	SEX VIEW PLUS	27500
12.360	H	SEX VIEW SPECIAL	27500
12.360	H	SEX VIEW TV	27500
●12.360	H	!ALLOVE	27500
●12.360	H	''SexySat2	27500
●12.360	H	''SexySat3	27500
●12.360	H	''SexySat4	27500
12.360	H	.AAA Sex Channel	27500
12.360	H	EROS TV	27500
12.360	H	HOUSE CHANNEL	27500
12.360	H	Jaras TV	27500
12.360	H	SEX VIEW XXX	27500
12.360	H	SEXY ITALY TV	27500
12.380	V	EQUIDIA PRO	27500
12.380	V	Abu Dhabi	27500
12.380	V	ALBAGHDADIA	27500
12.380	V	Living God	27500
12.380	V	RTV Montenegro	27500
12.380	V	SAT 7	27500
12.380	V	Saudi arabia TV2	27500
12.380	V	Syria Satellite Chan	27500
12.380	V	TELEPACE	27500
12.380	V	Yemen TV	27500
12.380	V	ZAHRAA TV	27500
12.380	V	Aden Radio	27500
12.380	V	Emirates FM	27500
12.380	V	Main General Program	27500
12.380	V	Radio Montenegro	27500
12.380	V	RADIO SAN	27500
12.380	V	RDS	27500
12.380	V	Sana radio	27500
12.380	V	TWR RADIO	27500
12.380	V	Voice Of People	27500
12.380	V	Voice of Youth	27500
12.380	V	POLYCOM	27500
12.399	H	SF zwei	27500

Freq GHz	Pol	Channel Name	Symbol rate
12.399	H	SF 1	27500
12.399	H	SF info	27500
12.399	H	TEST 1	27500
12.399	H	TEST 2	27500
12.399	H	SRG-DRS 1	27500
12.399	H	SRG-DRS 2	27500
12.399	H	SRG-DRS 3	27500
12.399	H	SRG-DRS Musigwaell	27500
12.399	H	SRG-DRS Virus	27500
12.399	H	SRG-Rumantsch	27500
12.399	H	SSR-Couleur3	27500
12.399	H	SSR-Espace 2	27500
12.399	H	SSR-La 1ere	27500
12.399	H	SSR-Option Musique	27500
12.399	H	SSR-Rete Due	27500
12.399	H	SSR-Rete Tre	27500
12.399	H	SSR-Rete Uno	27500
12.399	H	Swiss Classic	27500
12.399	H	Swiss Jazz	27500
12.399	H	Swiss Pop	27500
12.418	V	Raisat Cinema	27500
12.418	V	Raisat Gambero	27500
12.418	V	Raisat Premium	27500
12.418	V	Raisat Smash	27500
12.418	V	Raisat YOYO	27500
12.418	V	RaisatExtra	27500
12.418	V	SKY 16:9	27500
12.418	V	SKY Classics	27500
12.418	V	SKYCinema 2	27500
12.418	V	IEPG Data	27500
12.437	H	AL-ALAM	27500
12.437	H	ALKAWTHAR	27500
12.437	H	FEED	27500
12.437	H	IRIB1 ENG	27500
12.437	H	IRIB1 PER	27500
12.437	H	IRIB2 ENG	27500
12.437	H	IRIB2 PER	27500
●12.437	H	IRIBQURAN	27500
12.437	H	IRINN	27500
12.437	H	PRESS TV	27500
12.437	H	SAHAR	27500
12.437	H	IRIB1/IRIB2	27500
12.437	H	IRIB3/IRIB6	27500
12.437	H	IRIB5/IRIB4	27500
12.437	H	RADIO QURAN	27500
12.437	H	SARASARI	27500
12.437	H	SEDAYE ASHNA	27500
●12.460	V	SKY Test HD	27500
●12.460	V	SKY Sport HD 2	27500
12.460	V	Hallmark Romania 1P1	27500
●12.460	V	MTV Gold	27500
●12.460	V	MTV Pulse	27500
●12.460	V	NatGeo Music	27500
●12.460	V	SKY Net	27500
●12.460	V	SKY Test	27500
●12.460	V	Vh1	27500
●12.460	V	IEPG Data	27500
12.476	H	Alpha ETC Punjabi	27500
12.476	H	ARY DIGITAL	27500
12.476	H	B4U Movies	27500
12.476	H	Zee Cinema	27500
12.476	H	Zee TV	27500
12.476	H	.Eurotour-Xstream	27500
12.476	H	2M MAROC	27500
12.476	H	Italiamia	27500
12.476	H	Komala TV	27500
12.476	H	LIVE 24	27500
12.476	H	MEZOPOTAMIA	27500
12.476	H	Napoli TLA	27500
12.476	H	Podroze TV	27500
12.476	H	ROJ	27500
12.476	H	Tele A	27500
12.476	H	TELE A +	27500
12.476	H	ROUGE FM	27500
12.476	H	ALMAHABBA	27500
12.476	H	DENGE RADIO	27500
12.476	H	Eviva Radio	27500
12.476	H	RADIO 2M MAROC	27500
12.476	H	RADIO 74	27500
●12.476	H	Radio Zamaneh	27500
12.476	H	RVi 1 (VRT)	27500
12.476	H	RVi 2 (VRT)	27500
12.476	H	TASVIR IRAN	27500
12.476	H	TOP TWO	27500
12.476	H	AllSat.Com	27500
●12.476	H	Allsatcom4	27500
12.476	H	Global Tech	27500
12.476	H	HUMAX DOWNLOAD SV	27500
12.476	H	Opentech	27500
12.476	H	StrongDigitalTV	27500
12.616	H	FX	27500
12.616	H	Prima Fila 1	27500
12.616	H	Prima Fila 10	27500
12.616	H	Prima Fila 12	27500
12.616	H	Prima Fila 2	27500
12.616	H	Prima Fila 4	27500
12.616	H	Prima Fila 6	27500
12.616	H	Prima Fila 7	27500
12.616	H	Prima Fila 9	27500
12.616	H	SKY Prima Fila	27500
12.616	H	SKY Prima Fila	27500
●12.616	H	DI583	27500
12.616	H	IEPG Data	27500
12.635	V	Prima Fila 14	27500
12.635	V	Prima Fila 15	27500
12.635	V	Prima Fila 17	27500
12.635	V	Prima Fila 18	27500
12.635	V	Prima Fila 19	27500
12.635	V	Prima Fila 21	27500
12.635	V	Prima Fila 23	27500
12.635	V	Prima Fila 25	27500
12.635	V	Prima Fila 27	27500
12.635	V	Prima Fila 40	27500
12.635	V	Prima Fila 40	27500
12.635	V	IEPG Data	27500
12.635	V	Zona Bet Test	27500
●12.654	H	AL IRAQIA TV	27500
●12.654	H	ALMUSTAKILLA	27500
12.654	H	ESC	27500
12.654	H	JORDAN	27500
12.654	H	KUWAIT	27500
12.654	H	LIBYA	27500
12.654	H	OMAN	27500
12.654	H	QATAR TV	27500
12.654	H	SAUDI 1	27500
12.654	H	SHARJAH TV	27500
12.654	H	STRIKE TV	27500
12.654	H	SUDAN	27500
●12.654	H	AL-IRAQIA QURAN	27500
12.654	H	ESC R1	27500
12.654	H	ESC R2	27500
12.654	H	ESC R3	27500
12.654	H	JORDAN R1	27500
12.654	H	KUWAIT R1	27500
12.654	H	KUWAIT R2	27500
12.654	H	OMAN -HOLY QURAN	27500
12.654	H	OMAN R1	27500
12.654	H	OMAN R2	27500
12.654	H	OMAN R3	27500
12.654	H	PALESTINE R1	27500
12.654	H	QATAR R1	27500
●12.654	H	RADIO BAGHDAD	27500
12.654	H	SAUDI1 R1	27500
12.654	H	SAUDI1 R2	27500
12.654	H	SHARJAH R1	27500
12.654	H	SHARJAH R2	27500
12.654	H	SUDAN R1	27500
12.654	H	SUDAN R2	27500
●12.673	V	arriadia 2	27500
12.673	V	TVM	27500
●12.673	V	AL MAGHRIBIA	27500
12.673	V	ARRABIAA	27500
●12.673	V	Arriadia	27500
12.673	V	ASSADISSA	27500
12.673	V	Medi1SAT	27500
12.673	V	TVM INTER	27500
12.673	V	TVM INTER+L	27500
●12.673	V	Amazigh	27500
●12.673	V	Chaine inter	27500
●12.673	V	Chaine inter	27500
●12.673	V	Radio Dakhla	27500
●12.673	V	Radio Fes	27500
●12.673	V	Radio Mohamed VI	27500
●12.673	V	Radio national	27500
12.673	V	DVBH Service	27500
12.673	V	MAP SAT	27500
●12.692	H	AB3	27500
●12.692	H	AB4	27500
12.692	H	CINE FX	27500
12.692	H	CINE POLAR	27500
●12.692	H	DORCEL-TV	27500
●12.692	H	France 2	27500
●12.692	H	test 1	27500
●12.692	H	test 2	27500
●12.692	H	test 3	27500
●12.692	H	test 7	27500
12.692	H	TMC	27500
12.692	H	TMC	27500
12.692	H	VIDEOCLICK	27500
●12.692	H	WALF TV	27500
●12.692	H	AB Sat PROMO	27500
●12.692	H	Beur TV	27500
12.692	H	DAN CEYLON TV	27500
●12.692	H	LUXE TV	27500
12.692	H	PASSIONS	27500
●12.692	H	WAL Fadjri	27500
12.713	V	SKY Focus	27500
12.713	V	SNAI Sat	27500
12.713	V	Anc1003	27500
12.713	V	Anc1004	27500
12.713	V	Anc1005	27500
12.713	V	Anc1006	27500
12.713	V	SKY Meteo24	27500
12.713	V	SKY TG 24	27500
12.713	V	Test 5	27500
12.713	V	Test 6	27500
12.713	V	IEPG Data	27500
12.731	H	Boomerang	27500
12.731	H	Cartoon +1	27500
12.731	H	Fox	27500
12.731	H	GXT	27500
12.731	H	Hallmark	27500
12.731	H	History	27500
12.731	H	Jetix +1	27500
12.731	H	NationalGeo	27500
12.731	H	Roma Channel	27500
12.731	H	Universal	27500
12.731	H	IEPG Data	27500

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Freq GHz	Pol	Channel Name	Symbol rate
11.116	V	BBC Prime	27500
11.116	V	Wedding TV	27500
11.116	V	Amrita	27500
11.116	V	Ariana Afghanistan	27500
11.116	V	ICC TV	27500
11.116	V	Kairali	27500
11.116	V	Mohabat TV	27500
11.116	V	Mohajer Network Ltd	27500
11.116	V	Pen TV	27500
11.116	V	Prophetic TV	27500
11.116	V	Salaam TV	27500
11.116	V	BBC WS Persian (Ir	27500
11.116	V	Radio Mojdeh	27500
11.116	V	National Geographic	27500
11.220	H	CNBC Europe	27500
11.220	H	JimJam	27500
11.220	H	Prima Fila 31	27500
11.220	H	Prima Fila 32	27500
11.220	H	Prima Fila 33	27500
11.220	H	Prima Fila 35	27500
11.220	H	Prima Fila 36	27500
11.220	H	Prima Fila 37	27500
11.220	H	Prima Fila 38	27500
11.220	H	Prima Fila 39	27500
●11.220	H	DI11	27500
11.220	H	IEPG Data	27500
11.240	V	Canal+	27500
11.240	V	Canal+ Cinema	27500
11.240	V	Canal+ Decale	27500
11.240	V	Canal+ Hi-Tech	27500
11.240	V	Canal+ Sport	27500
11.240	V	ESP Bulgarian	27500
11.240	V	ESP Cyprus	27500
11.240	V	ESP Czech	27500
11.240	V	ESP Dutch	27500
11.240	V	ESP Greek	27500
11.240	V	ESP Hungarian	27500
11.240	V	ESP Int'l	27500
11.240	V	ESP Polish	27500
11.240	V	ESP Portuguese	27500
11.240	V	ESP Romanian	27500
11.240	V	ESP Russian	27500
11.240	V	ESP Serbia	27500
11.240	V	ESP Turk	27500
11.240	V	ESP2 German	27500
11.240	V	ESP2 Greek	27500
11.240	V	ESP2 Int'l	27500
11.240	V	ESP2 Romanian	27500
11.240	V	ESP2 Rus	27500
●11.240	V	ESP2 Serbia	27500
11.240	V	ESP2 Turk	27500
11.240	V	EUSP2 PL	27500
11.240	V	France 24 (en Franca	27500
11.240	V	France 24 (in Englis	27500
11.240	V	Prod ESP	27500
11.240	V	Prod ESP2	27500
11.258	H	Boomerang	27500
11.258	H	Cartoon TCM	27500
11.258	H	Cinemax 1	27500
11.258	H	Cinemax 2	27500
●11.258	H	DA VINCI	27500
11.258	H	Jetix	27500
11.258	H	Jetix Play	27500
●11.258	H	KidsCo	27500
11.258	H	Kino Polska	27500
11.258	H	MTV2	27500
●11.258	H	n 57	27500
●11.258	H	n 58	27500
●11.258	H	n 59	27500
11.258	H	NASN	27500
●11.258	H	OTV	27500
11.258	H	Sport Klub	27500
11.258	H	Sport Klub +	27500
11.258	H	TVN Med	27500
11.258	H	TVP 1	27500
11.258	H	TVP 2	27500
11.258	H	TVP 3	27500
11.258	H	TVP Polonia	27500
11.258	H	TVP Sport	27500
11.258	H	Prog 24	27500
11.278	V	ANIMAL PLANET	27500
11.278	V	CNBC	27500
11.278	V	DISCOVERY	27500
11.278	V	ESPN Classic Sport	27500
11.278	V	EXTREME SPORTS	27500
11.278	V	HALLMARK	27500
11.278	V	HBO	27500
11.278	V	HBO2	27500
●11.278	V	MTV TWO	27500
11.278	V	NATIONAL GEO	27500
11.278	V	ZONE REALITY	27500
11.278	V	EDUSAT	27500
11.278	V	Music Choice 5	27500
11.278	V	Music Choice 6	27500
11.278	V	Music Choice 7	27500
11.278	V	Music Choice Dance	27500
11.278	V	Music Choice Rock	27500
11.278	V	Music Choice Urban	27500
11.278	V	tech 3	27500
11.296	H	S2K	27500
11.296	H	, XEX	27500
11.296	H	AB Channel	27500
11.296	H	ALL TV	27500
11.296	H	Challenger Tv	27500
11.296	H	Denaro Tv	27500
11.296	H	IMC	27500
11.296	H	julie	27500
11.296	H	Lazio Ch	27500
11.296	H	LIBERA	27500
11.296	H	Mediterraneo Sat 2	27500
11.296	H	MilanoTV Sat	27500
11.296	H	Napoli Mia	27500
●11.296	H	Neu Jerusalem	27500
11.296	H	ONE	27500
11.296	H	Punto Sat	27500
11.296	H	Puntosat3	27500
11.296	H	Radio Italia TV	27500
●11.296	H	ROLSAT	27500
11.296	H	S24	27500
11.296	H	TVA Vicenza	27500
11.296	H	Ulisse	27500
11.320	V	TV 5 Europe	
11.334	H	Boing	27500
11.334	H	Premium 2	27500
●11.334	H	Premium Attivazione	27500
●11.334	H	SERVICE 13	27500
11.334	H	BBC World	27500
11.334	H	Class News	27500
11.334	H	Coming Soon	27500
11.334	H	Premium 1	27500
11.334	H	Premium 3	27500
11.334	H	Premium 4	27500
11.334	H	Premium 5	27500
11.334	H	Premium 6	27500
11.334	H	Premium 7	27500
●11.334	H	SERVICE 12	27500
11.334	H	M_E	27500
●11.334	H	Servizio OTA	27500
11.334	H	Servizio OTA2	27500
11.355	V	Fox Life +1	27500
11.355	V	Music Box	27500
11.355	V	Music on SKY	27500
11.355	V	NationalGeo HD	27500
11.355	V	Next HD	27500
11.355	V	Prima Fila 29	27500
11.355	V	Prima Fila 34	27500
11.355	V	SKY Cinema HD	27500
11.355	V	SKY Sport HD	27500
11.355	V	50 songs	27500
11.355	V	B-Side	27500
11.355	V	Baby Mix	27500
11.355	V	Capital '70	27500
11.355	V	Disc Joker	27500
11.355	V	Extrabeat	27500
11.355	V	Heart n' song	27500
11.355	V	Hit Italia	27500
11.355	V	ItalianVintage	27500
●11.355	V	Jazz & Fusion	27500
11.355	V	Jazz Gold	27500
11.355	V	Livetime	27500
11.355	V	New Rock	27500
11.355	V	Onda Latina	27500
11.355	V	Opera	27500
●11.355	V	Out Of Mind	27500
11.355	V	Rock Classic	27500
●11.355	V	Rock Shock	27500
11.355	V	Sinfonia	27500
11.355	V	Soul Train	27500
11.355	V	Soulsista	27500
11.355	V	Stardust	27500
11.355	V	Vintage '60	27500
11.355	V	Yesterjay '80	27500
11.355	V	Yesterjay '90	27500
11.355	V	EPG MHW	27500
11.355	V	BET ON SKY	27500
11.355	V	DI81	27500
11.355	V	IEPG Data	27500
11.355	V	Modalita' d'Acquisto	27500
11.355	V	SKY Assist active	27500
11.355	V	SNAI	27500
11.373	H	Italia 1	27500
11.373	H	Rete 4	27500
11.373	H	S16	27500
●11.373	H	S17	27500
●11.373	H	S20	27500
11.373	H	Si Live 24	27500
11.373	H	Sportitalia	27500
11.373	H	DV	27500
11.373	H	Mediashopping	27500
●11.373	H	S18	27500
11.393	V	TVN	27500
11.393	V	TVN 24	27500
●11.393	V	TVN CNBC Biznes	27500
11.393	V	TVN I Europe	27500
11.393	V	TVN Lingua	27500
11.393	V	TVN METEO	27500
11.393	V	TVN Siedem	27500
11.393	V	TVN Style	27500
11.393	V	TVN TURBO	27500
11.393	V	Mango 24	27500
11.393	V	TVN Gra	27500
11.393	V	test_radio	27500
●11.411	H	Dorcel TV	27500
●11.411	H	FOX TV	27500
●11.411	H	MTV IDOL	27500
●11.411	H	MTV PULSE	27500

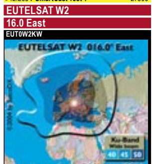
Freq GHz	Pol	Channel Name	Symbol rate
●11.411	H	ADJARA TV	27500
●11.411	H	APOSTOLIC ONENESS	27500
●11.411	H	Bethel TV	27500
●11.411	H	Cancao Nova	27500
●11.411	H	Casa Italia	27500
●11.411	H	Diva Futura Sex	27500
●11.411	H	ECTV	27500
●11.411	H	Extra 3	27500
●11.411	H	Galaxy	27500
●11.411	H	HOT CHILI	27500
●11.411	H	IPN TV	27500
●11.411	H	Mondo Arte	27500
●11.411	H	NAPOLI NOVA	27500
●11.411	H	One Minute TV	27500
●11.411	H	RETE CAPRI	27500
●11.411	H	RTC Calabria	27500
●11.411	H	TAPESH TV2	27500
●11.411	H	TIZIANA SAT	27500
●11.411	H	TKS 01	27500
●11.411	H	TV2DAY	27500
●11.411	H	RADIO CAPRI	27500
11.432	V	Canale 5	27500
11.432	V	Class News	27500
11.432	V	Mediashopping	27500
●11.432	V	s10	27500
●11.432	V	s9	27500
11.432	V	Sportitalia	27500
●11.432	V	Sportitalia24	27500
11.432	V	BBC World	27500
11.432	V	Coming Soon	27500
●11.449	H	Discovery Science	27500
●11.449	H	Religia.TV	27500
●11.449	H	Discovery HD	27500
●11.449	H	MGM	27500
●11.449	H	nSport	27500
●11.449	H	n	27500
●11.449	H	pVOD	27500
●11.449	H	TVN Lingua	27500
●11.449	H	Upload	27500
●11.449	H	vod	27500
●11.449	H	Wojna i Pokoj	27500
11.470	V	CANAL+ FILM HD	27500
11.470	V	THARISANAM	27500
11.470	V	Andisheh	27500
●11.470	V	Ariana Afghanis	27500
11.470	V	BET NAHRAIN	27500
11.470	V	Channel 6	27500
11.470	V	DIDAR	27500
●11.470	V	ICC TV	27500
11.470	V	IRAN	27500
●11.470	V	IRAN.MNTV	27500
11.470	V	JAAM E JAM	27500
11.470	V	MATHURAM	27500
11.470	V	Mktv Sat	27500
11.470	V	OMID E IRAN	27500
●11.470	V	OU	27500
11.470	V	RIKSAT	27500
11.470	V	Satlink promo	27500
11.470	V	TAPESH	27500
●11.470	V	Tasvir Iran	27500
●11.470	V	TEST	27500
●11.470	V	TEST OU	27500
●11.470	V	Bahai Radio	27500
11.470	V	Makedonsko Radio	27500
11.488	H	BBC PRIME	27500
11.488	H	CINEMAX	27500
11.488	H	CIVILISATION	27500
11.488	H	KINO POLSKA	27500
11.488	H	SCIENCE	27500
11.488	H	TRAVEL	27500
●11.488	H	TVP INFO	27500
11.488	H	ITV	27500
11.488	H	Polonia 1	27500
11.488	H	Tele5	27500
11.488	H	TV POLONIA	27500
11.488	H	TV PULS	27500
11.488	H	TVP Kultura	27500
11.488	H	CYFRA+ GRY	27500
11.488	H	INFO+	27500
11.488	H	Music Choice 1	27500
11.488	H	Music Choice 2	27500
11.488	H	Music Choice Klasyka	27500
11.488	H	Music Choice Oldies	27500
11.505	V	TVN	
11.526	H	TSI2	27500
11.526	H	TSR2	27500
11.526	H	TSI1	27500
11.526	H	TSR1	27500
●11.526	H	SSR-Couleur3	27500
●11.526	H	SSR-Espace 2	27500
●11.526	H	SSR-La 1ere	27500
●11.526	H	SSR-Option Musique	27500
●11.526	H	SSR-Rete Due	27500
●11.526	H	SSR-Rete Tre	27500
●11.526	H	SSR-Rete Uno	27500
●11.541	V	ESP2 Hungary	22000
●11.541	V	ESP2 Romania	22000
11.541	V	LA7	22000
11.541	V	50 Canale	22000
11.541	V	ARCOIRIS TV	22000
11.541	V	BERGAMOSAT	22000
11.541	V	Ishtar TV	22000
11.541	V	La Nuova TV	22000
11.541	V	Sardegna Channel	22000
11.541	V	TAXI channel	22000
11.541	V	TeleTirreno	22000
11.541	V	THOU TV	22000
11.541	V	Toscana Channel	22000
11.541	V	TV7 LOMBARDIA	22000
11.541	V	Umbria Channel	22000
11.541	V	Venice Channel	22000
11.541	V	KISS KISS RADIO	22000
11.541	V	LifeGate	22000
11.541	V	Millennium Radio	22000
11.541	V	R.BuonConsiglio	22000
11.541	V	R.S.F. inBlu	22000
11.541	V	R101	22000
11.541	V	Radio 24	22000
11.541	V	RADIO CUORE	22000
11.541	V	RADIO CUORE DUE	22000
11.541	V	Radio Padre Pio	22000
11.541	V	RADIO RELAX	22000
11.541	V	Radio Torino Intl.	22000
11.541	V	ROCK FM	22000
11.541	V	VIRGIN RADIO	22000
11.541	V	ENVIATEL	22000
●11.541	V	XSI	22000

Freq GHz	Pol	Channel Name	Symbol rate
●11.200	V	ALL SEX	27500
●11.200	V	D'ANNA SAT	27500
●11.200	V	EBC.1	27500
●11.200	V	ELITE SHOPPING	27500
●11.200	V	EROS LIVE	27500
●11.200	V	Made In Italy	27500
●11.200	V	MagicTV	27500
●11.200	V	Mediatel	27500
●11.200	V	MOTORI TV	27500
●11.200	V	NETH SRI LANKA	27500
●11.200	V	ODEON SAT	27500
●11.200	V	PEOPLE TV-RETE7	27500
●11.200	V	PLAY TV ITALIA	27500
●11.200	V	ROMA SAT	27500
●11.200	V	Sat8	27500
●11.200	V	Sat9	27500
●11.200	V	Sexy Ch. +1	27500
●11.200	V	STARSAT	27500
●11.200	V	Telenord	27500
●11.200	V	TLC SAT	27500
●11.200	V	Trentino TV	27500
●11.200	V	AfgSalamWatandar	27500
●11.200	V	Global Radio - MIR	27500
●11.200	V	McDonalds	27500
●11.200	V	R.Chateau d'Ax	27500
●11.200	V	R.Di per Di	27500
●11.200	V	R.ONDA D'URTO	27500
●11.200	V	Radio Billa	27500
●11.200	V	Radio Intesa	27500
●11.200	V	Radio Italia 1	27500
●11.200	V	Radio Metro	27500
●11.200	V	Radio Standa	27500
●11.200	V	RADIO ZAINET	27500
●11.200	V	NIS_Intesa1	27500
●11.523	V	test	5000
●12.265	V	Test HD-2	27500
●12.265	V	Test HD-4	27500
●12.265	V	Test HD-1	27500
●12.265	V	Test HD-3	27500
●12.265	V	GM	27500
●12.265	V	SmartCast Test 1	27500

EUTELSAT W2

16.0 East

EUT0W2KW



Freq GHz	Pol	Channel Name	Symbol rate
10.957	H	ALSAT RTV	2821
10.962	H	TELEMARKET	3146
10.972	V	BBC Prime	27500
10.972	V	FreeX TV	27500
10.972	V	FreeX TV 2	27500
●10.972	V	Hallmark	27500
10.972	V	Kanal D	27500
10.972	V	Kopernikus	27500
10.972	V	Motors TV	27500
10.972	V	MTV Adria	27500
●10.972	V	Test Service	27500
10.972	V	TV1000	27500
10.972	V	Viasat Explorer	27500
10.972	V	Viasat History	27500
10.972	V	X-Dream TV	27500
●10.972	V	Total TV Info	27500
10.972	V	SW Download	27500
11.010	V	AXN	27500

Freq GHz	Pol	Channel Name	Symbol rate
11.010	V	AXN PP	27500
11.010	V	Cinemax	27500
11.010	V	Cinemax PP	27500
●11.010	V	Diema	27500
●11.010	V	Diema PP	27500
●11.010	V	Discovery	27500
11.010	V	Discovery PP	27500
11.010	V	ESP BG PP	27500
11.010	V	Eurosport	27500
11.010	V	GTV	27500
11.010	V	Hallmark	27500
11.010	V	Hallmark PP	27500
●11.010	V	HBO	27500
●11.010	V	HBO PP	27500
11.010	V	HustlerTV	27500
11.010	V	HustlerTV PP	27500
11.010	V	Jetix/Art Ch.	27500
11.010	V	MMTV	27500
11.010	V	N.Geographic	27500
11.010	V	N.Geographic PP	27500
●11.010	V	TV7	27500
11.010	V	TV7 PP	27500
11.010	V	7 dni	27500
11.010	V	AXN	27500
●11.010	V	Bulgaria TV	27500
11.010	V	Estate TV	27500
11.010	V	Europa TV	27500
11.010	V	Planeta Folk TV	27500
11.010	V	VIARA	27500
●11.010	V	OK RADIO BELGRADE	27500
11.010	V	ITV Horoscope	27500
11.010	V	Subtitles	27500
11.012	H	E-258 2	12800
11.012	H	E-228.VIA 1	12800
11.012	H	ITA 302 Videobank 1	12800
11.012	H	VIDEOPIU'	12800
11.012	H	GCI E242/MAIN	12800
11.025	H	Fox Sport	2894
11.025	H	7 GOLD	2894
11.045	H	National TV	10555
11.045	H	Favorit TV	10555
11.045	H	National 24	10555
11.045	H	Favorit FM	10555
11.045	H	National FM	10555
11.053	V	BBF	22000
11.053	V	Ktv	22000
11.053	V	News 24	22000
11.053	V	Premium 4	22000
11.053	V	Premium 5	22000
11.053	V	Rtv 21	22000
11.053	V	TV Klan	22000
11.053	V	Opentel OTA	22000
11.062	H	Nat Geo Ger	5722
11.062	H	Nat Geo Turk	5722
11.092	V	2-Explorer	32000
11.092	V	2-Explorer	32000
●11.092	V	3-Explorer	32000
11.092	V	Bang Bang	32000
11.092	V	Bang Bang	32000
11.092	V	Channel X	32000
11.092	V	Channel X	32000
11.092	V	Cufo Tv	32000
11.092	V	Cufo Tv	32000
11.092	V	Digi +	32000
11.092	V	Digi Autor	32000
11.092	V	Digi Autor	32000
11.092	V	Digi+	32000
11.092	V	Digitalb 5	32000
11.092	V	Digitalb 5	32000
11.092	V	Digitalb 6	32000
11.092	V	Digitalb 6	32000
11.092	V	Digitalb 7	32000
11.092	V	Digitalb 7	32000
11.092	V	Digitalb 8	32000
11.092	V	Digitalb 8	32000
11.092	V	Discovery Channel	32000
11.092	V	Explorer	32000
11.092	V	Explorer	32000
11.092	V	Film Premiere	32000
11.092	V	Film Premiere	32000
11.092	V	Junior Tv	32000
11.092	V	Junior Tv	32000
11.092	V	My Music	32000
11.092	V	My Music	32000
11.092	V	National geographic	32000
11.092	V	Premium 3	32000
11.092	V	Premium 3	32000
11.092	V	Top Channel	32000
11.092	V	Top News	32000
11.092	V	Top News	32000
●11.092	V	Top-Channel	32000
●11.092	V	TVSH Tokesor	32000
11.092	V	My Music Radio	32000
11.092	V	My Music Radio	32000
11.092	V	Top Albania Radio	32000
11.092	V	Top Albania Radio	32000
11.092	V	Top Gold Radio	32000
11.092	V	Top Gold Radio	32000
11.092	V	Coship OTA	32000
11.092	V	Coship OTA	32000
11.092	V	Coship OTA	32000
11.092	V	Coship STB Software	32000
11.092	V	Coship STB Software	32000
11.092	V	Opentel OTA	32000
●11.148	V	MMTV	5211
11.178	V	Pink	27500
11.178	V	Pink	27500
11.178	V	Pink BH	27500
11.178	V	Pink BH	27500
11.178	V	Pink Extra	27500
11.178	V	Pink Extra	27500
11.178	V	Pink Film	27500
11.178	V	Pink Film	27500
11.178	V	Pink Kids	27500
11.178	V	Pink Kids	27500
11.178	V	Pink M	27500
11.178	V	Pink M	27500
11.178	V	Pink Movies	27500
11.178	V	Pink Movies	27500
11.178	V	Pink Music	27500
11.178	V	Pink Music	27500
11.178	V	Pink Plus	27500
11.178	V	Pink Plus	27500
11.178	V	Total Pink	27500
11.178	V	Total Pink	27500
11.178	V	Pink News	27500
11.178	V	Pink News	27500
11.178	V	BG-BL	27500
11.178	V	BG-PG	27500
11.178	V	BG-SA	27500
11.178	V	RADIO INDEX	27500
11.178	V	Radio Pink	27500
11.190	H	KURDISAN	2666
●11.190	H	T0028-C008/	2666
11.266	H	VIZION PLUS	2170
11.266	H	Vizionplus	2170
11.276	H	RTNC	11100
11.276	H	APOSTOLIC ONENESS	11100
11.276	H	BFTV Europe	11100
●11.276	H	Channel I	11100
●11.276	H	Channel One	11100
11.276	H	ECTV	11100
11.276	H	F men	11100
11.276	H	Fashion TV	11100
11.276	H	FTV	11100
11.276	H	JLTV	11100
11.276	H	TV2DAY	11100
●11.276	H	V TV	11100
●11.276	H	VIKOM RTV	11100
11.294	H	GOD Europe	13333
11.294	H	Karaoke Channel	13333
11.294	H	Channel One	13333
11.294	H	FootSchool	13333
11.294	H	GOD Channel	13333
11.294	H	GOD Europe	13333
11.294	H	God's Learning	13333
11.294	H	IPN TV	13333
11.294	H	LIFE TV Estonia	13333
11.294	H	TBN RUSSIA	13333
11.294	H	Amistad Radio	13333
11.294	H	Glas Drine BiH	13333
11.294	H	Kitt-Pinki Radio	13333
11.294	H	Oldies Radio	13333
●11.294	H	Pinki Radio	13333
11.294	H	RADIO HAY	13333
11.303	V	Animal Planet	30000
11.303	V	BTV 1	30000
11.303	V	BTV 2	30000
11.303	V	BTV 2	30000
11.303	V	BTV 5 (RBS)	30000
11.303	V	GTV	30000
11.303	V	GTV PP	30000
11.303	V	Planeta	30000
11.303	V	Planeta PP	30000
11.303	V	Premium Digital	30000
11.303	V	TSP Service 311	30000
11.303	V	FolklorTV	30000
11.303	V	Kanal 3	30000
●11.303	V	SC Folk	30000
11.303	V	Zdrave	30000
11.303	V	BTV IP SS	30000
11.325	H	ANIMAX	27500
11.325	H	ANIMAX-eng	27500
11.325	H	ANIMAX-ger	27500
11.325	H	AXN-CE	27500
11.325	H	AXN-CE-bul	27500
11.325	H	AXN-CE-cze	27500
11.325	H	AXN-CE-eng	27500
11.325	H	AXN-CE-hun	27500
11.325	H	AXN-Crime	27500
11.325	H	AXN-Crime-bul	27500
11.325	H	AXN-Crime-bul_V	27500
11.325	H	AXN-Crime-cze	27500
11.325	H	AXN-Crime-hun	27500
11.325	H	AXN-Crime-hun_V	27500
11.325	H	AXN-Crime-pol	27500
11.325	H	AXN-Crime-pol_V	27500
11.325	H	AXN-Crime-rum	27500
11.325	H	AXN-Crime-rum_V	27500
11.325	H	AXN-Crime_V	27500
11.325	H	AXN-Germany	27500
11.325	H	AXN-POL	27500
11.325	H	AXN-POL-eng	27500
11.325	H	AXN-POL-pol	27500
11.325	H	AXN-ROM	27500
11.325	H	AXN-ROM-cze	27500
11.325	H	AXN-ROM-eng	27500
11.325	H	AXN-ROM-hun	27500
11.325	H	AXN-ROM-rum	27500
11.325	H	AXN-SciFi	27500
11.325	H	AXN-SciFi-bul	27500
11.325	H	AXN-SciFi-bul_V	27500
11.325	H	AXN-SciFi-cze	27500
11.325	H	AXN-SciFi-hun	27500
11.325	H	AXN-SciFi-hun_V	27500
11.325	H	AXN-SciFi-pol	27500
11.325	H	AXN-SciFi-pol_V	27500
11.325	H	AXN-SciFi-rum	27500
11.325	H	AXN-SciFi-rum_V	27500
11.325	H	AXN-SciFi_V	27500
11.325	H	Boomerang	27500
11.325	H	Boomerang Germany_V	27500
11.325	H	CN Germany	27500

Freq GHz	Pol	Channel Name	Symbol rate
11.325	H	TCM Germany	27500
●11.325	H	Test VBI	27500
11.325	H	AXN Czech	27500
11.325	H	AXN for STB	27500
11.325	H	AXN Hungary	27500
11.325	H	AXN Poland	27500
11.325	H	AXN Romania - Bulgar	27500
11.427	V	Auto Plus	26700
11.427	V	Avala	26700
11.427	V	FOX	26700
11.427	V	Happy Cable	26700
11.427	V	Metropolis	26700
11.427	V	MTS	26700
11.427	V	OBN	26700
11.427	V	Palma Plus	26700
11.427	V	Panonija	26700
11.427	V	Service12	26700
11.427	V	Spectrum	26700
11.427	V	Travel	26700
11.449	H	BBF	27500
11.449	H	BBF	27500
11.449	H	FAMILY	27500
11.449	H	Klan TV	27500
11.449	H	Klan TV	27500
11.449	H	Koha TV	27500
11.449	H	Koha TV	27500
11.449	H	KTV	27500
11.449	H	KTV	27500
11.449	H	News 24	27500
11.449	H	News 24	27500
●11.449	H	Ora News	27500
11.449	H	PREMIERE	27500
11.449	H	PREMIUM 1	27500
11.449	H	Premium 1	27500
11.449	H	Premium 1	27500
11.449	H	Premium 2	27500
11.449	H	PREMIUM 2	27500
11.449	H	Premium 2	27500
11.449	H	PREMIUM 3	27500
11.449	H	Premium 3	27500
11.449	H	Premium 3	27500
11.449	H	Premium 4	27500
11.449	H	Premium 4	27500
11.449	H	PREMIUM 4	27500
11.449	H	Premium 5	27500
11.449	H	Premium 5	27500
11.449	H	PREMIUM 5	27500
11.449	H	PREMIUM 6	27500
11.449	H	RTV 21	27500
11.449	H	RTV 21	27500
11.449	H	SHQIP	27500
●11.449	H	SuperSonic Tv	27500
11.449	H	TiranaTV	27500
11.449	H	TiranaTV	27500
11.449	H	TOON	27500
11.449	H	TV KLAN	27500
11.449	H	TV KOHA	27500
11.449	H	TVA	27500
11.449	H	TVSH	27500
11.449	H	Vizion+	27500
11.449	H	DigitALB Promo	27500
11.449	H	Premium Promo	27500
11.449	H	N R G	27500
11.449	H	Unknown	27500
11.471	V	Cultural	29950
11.471	V	TVR1	29950
11.471	V	TVR1 PowerVu	29950
11.471	V	TVR2	29950
11.471	V	TVR2 PowerVu	29950
11.471	V	TVR Cluj	29950
11.471	V	TVR Craiova	29950
11.471	V	TVR Cultural	29950
11.471	V	TVR Iasi	29950
11.471	V	TVR Timisoara	29950
11.471	V	TVR1	29950
11.471	V	TVR2	29950
11.471	V	TVRi	29950
11.471	V	TVRi	29950
11.471	V	In Direct Romania	29950
11.471	V	Romania in Direct	29950
11.471	V	Romania Internationa	29950
11.471	V	Romania Muzical	29950
11.513	V	AXN Crime	29950
●11.513	V	Disc .Civilization	29950
●11.513	V	Disc .Science	29950
●11.513	V	Disc .Travel	29950
11.513	V	Eurosport	29950
11.513	V	Extreme Sports	29950
11.513	V	HBO Comedy	29950
11.513	V	Jetix	29950
11.513	V	Minimax/A+	29950
11.513	V	Reality Tv	29950
11.513	V	Romantica	29950
11.513	V	Tv 1000	29950
11.513	V	VH 1	29950
11.513	V	Viasat Explorer	29950
11.513	V	Viasat History	29950
11.513	V	AlfaOmega	29950
11.513	V	Credo Tv	29950
●11.513	V	Pro Tv Intl	29950
11.513	V	Minisat	29950
11.513	V	RFI	29950
11.552	V	Art	30000
11.552	V	B92	30000
11.552	V	Cinemania	30000
11.552	V	Enter	30000
11.552	V	Film +	30000
11.552	V	Happy/Kosava	30000
11.552	V	HBO Adria	30000
11.552	V	Most	30000
11.552	V	RTS1	30000
11.552	V	RTS2	30000
11.552	V	SOS	30000
11.552	V	Sport Klub	30000
11.552	V	Studio B	30000
11.552	V	Super TV	30000
11.552	V	Radio B92	30000
11.595	V	BBT	28800
11.595	V	BBT - PP	28800
11.595	V	bTV	28800
11.595	V	bTV - PP	28800
11.595	V	Diema + PP	28800
11.595	V	Diema 2	28800
11.595	V	Diema 2 PP	28800
●11.595	V	Diema Family	28800
11.595	V	EK BG PP	28800
11.595	V	EK Bulgaria	28800
11.595	V	Evrokom NCTV	28800
11.595	V	FOX Crime	28800
11.595	V	FOX Crime - PP	28800
11.595	V	Fox Crime BG	28800
11.595	V	Fox Life	28800
11.595	V	Fox Life - PP	28800
11.595	V	Kanal 1	28800
11.595	V	Kanal 1- PP	28800
11.595	V	NCTV - PP	28800
11.595	V	NTV	28800
11.595	V	NTV - PP	28800
11.595	V	Ring TV	28800
11.595	V	Ring TV PP	28800
11.595	V	TEST	28800
11.595	V	Balkanika	28800
11.595	V	eTV	28800
●11.595	V	EvropaTV	28800
11.595	V	FANTV	28800
●11.595	V	IkonomikaTV - EBF	28800
11.595	V	AUREA Radio	28800
11.595	V	Darik Radio	28800
11.595	V	ESP BG	28800
11.595	V	EX-YUGO SONET Rad	28800
11.595	V	FERAL Radio Bosnia	28800
●11.595	V	JAZZ FM	28800
11.595	V	KISS Plus Radio BE	28800
11.595	V	Radio City	28800
11.595	V	Radio Veronika	28800
11.595	V	Radio Vitosha East	28800
11.595	V	Retro Radio	28800
11.595	V	Z- ROCK	28800
11.595	V	Game1	28800
11.595	V	Game2	28800
11.595	V	Game3	28800
11.595	V	Games - Interactive	28800
11.595	V	Interactive	28800
11.595	V	IT-Test	28800
11.595	V	ITV Horoscope	28800
11.595	V	ITV Promo	28800
11.595	V	Mail	28800
11.595	V	Movies - Interactive	28800
11.595	V	Movies HBO	28800
11.595	V	Movies PD	28800
11.595	V	News - Interactive	28800
11.595	V	Opentech	28800
11.595	V	PHILIPS DOWNLOAD	28800
11.595	V	Service	28800
11.595	V	Strong	28800
11.595	V	Strong	28800
11.595	V	Subtitles	28800
●11.595	V	Technisat	28800
●11.595	V	TV Programs	28800
●11.595	V	Weather	28800
11.682	V	Region 2B Ch5	14468
11.682	V	Region 3B Ch5	14468
11.682	V	Region 4B Ch5	14468
11.682	V	Region 5B Ch5	14468
12.568	H	SIC INTERNACIONAL	3702
12.633	V	RTK-SAT	4881
12.642	V	Armenia Region	3418
12.642	V	Armenia TV	3418
12.650	H	CH 20 - U VERDE S	15000
12.650	H	CH 4 - SNAI TV	15000
12.650	H	CH 5 - SNAI SAT/U	15000
12.650	H	CH 6 - U GRIGIO S	15000
12.650	H	CH 7 - SPORTIVE S	15000
●12.650	H	CH30 - UNIRE	15000
12.650	H	UNIRE 1 - GRIGIO	15000
12.650	H	UNIRE 2 - VERDE	15000
12.650	H	CH3 - TELEIPPICA	15000
●12.650	H	CH99 - IP Test	15000
12.656	V	TVSH-SAT	4881
12.656	V	RADIO TIRANA	4881
12.656	V	RADIO TIRANA	4881
12.682	H	TV7	2892
12.682	H	TV7	2892
12.682	H	R Tunisie Culture	2892
12.682	H	R Tunisie Internatio	2892
12.682	H	R Tunisie Nationale	2892
12.693	V	BN TRANSITION	3797
12.703	H	TVM-I	2750
●12.719	H	BRAVO TV	9000
●12.719	H	CTC MOLDOVA	9000
●12.719	H	EuTV Chisinau	9000
●12.719	H	HIT-FM MOLDOVA	9000
●12.719	H	Micul Samaritean	9000
●12.733	V	Kanal A	26050
12.733	V	NDS Test	26050
●12.733	V	POP TV	26050
●12.733	V	TV3 Slovenia	26050
12.733	V	Carli TV	26050
●12.733	V	Duga TV	26050
●12.733	V	SportKlub Slovenija	26050
12.733	V	Svet Plus	26050
12.733	V	test	26050
12.733	V	TV Pika	26050

TV Digital · **Radio** Digital · **TV** Digital Crypt · **Radio** Digital Crypt · **TV** High Definition · **TV** High Definition Crypt · **Data** Channel · **TV** Analog · **Radio** Analog

Freq Pol **Channel Name** GHz	Symbol rate
12.733 V **VIKOM RTV**	26050
12.733 V **ALFA RADIO SARAJE**	26050
12.733 V **BH Radio 1**	26050
● 12.733 V **DESETKA Radio Beog**	26050
12.733 V **GRAND**	26050
● 12.733 V **HIT RADIO SALAS**	26050
12.733 V **KISS DOINA VLASKI**	26050
12.733 V **KISS RADIO**	26050
12.733 V **KISS ROM RADIO**	26050
● 12.733 V **MB NARODNI RADIO**	26050
● 12.733 V **MIKS RADIO**	26050
12.733 V **ORV Valentino BH**	26050
● 12.733 V **Radio BANOVINA**	26050
● 12.733 V **RADIO BEZLJA - IZ**	26050
12.733 V **RADIO BGAS BEOGRA**	26050
● 12.733 V **Radio BRCKO**	26050
12.733 V **Radio Brod**	26050
● 12.733 V **RADIO DIJAMANT**	26050
12.733 V **Radio Glas Drine**	26050
● 12.733 V **Radio KOKTEL**	26050
● 12.733 V **RADIO LIPOVAC - S**	26050
● 12.733 V **Radio Pink Int**	26050
● 12.733 V **RADIO POSAVINA**	26050
12.733 V **Radio SvetPLUS**	26050
● 12.733 V **Radio Veseli Romi**	26050
● 12.733 V **Srce Lijepe Nase**	26050
12.733 V **STUDIO M**	26050
● 12.733 V **Top 3 radio**	26050
12.733 V **TUP - TUP RADIO -**	26050
● 12.733 V **Vikom RTV**	26050
12.733 V **YU PLANET BEC**	26050

EUT0W2RE

Freq Pol **Channel Name** GHz	Symbol rate
11.486 H **Antenne Reunion**	29950
11.486 H **Antenne Reunion**	29950
11.486 H **CC Classic**	29950
11.486 H **CC Culte**	29950
11.486 H **CC Emotion**	29950
11.486 H **CC Famiz**	29950
11.486 H **CC Frisson**	29950
11.486 H **CC Premier**	29950
11.486 H **CC Star**	29950
11.486 H **CCinema Classic**	29950
11.486 H **Discovery**	29950
11.486 H **Discovery**	29950
11.486 H **Eureka**	29950
11.486 H **M6**	29950
11.486 H **M6**	29950
11.486 H **Ma Planete**	29950
11.486 H **RTL9**	29950
11.486 H **RTL9**	29950
11.486 H **Serie Club**	29950
11.486 H **Serie Club**	29950
11.486 H **Supersport 3**	29950
11.486 H **Supersport 3**	29950
11.486 H **TeleReunion**	29950
11.486 H **TeleReunion**	29950
11.486 H **Tempo**	29950
11.486 H **Tempo**	29950
11.486 H **Teva**	29950
11.486 H **Teva**	29950
11.486 H **TF6**	29950
11.486 H **TF6**	29950
11.486 H **TPS Cinecomedy**	29950
11.486 H **TPS Cineculte**	29950
11.486 H **TPS Cinefamily**	29950
11.486 H **TPS Cinestar**	29950
11.486 H **TPS Cinextreme**	29950
11.486 H **TPS Homecinema**	29950
11.486 H **Cherie FM**	29950
11.486 H **Cherie FM**	29950
11.486 H **EXO FM**	29950
11.486 H **EXO FM**	29950
11.486 H **Festival**	29950
11.486 H **Festival**	29950
11.486 H **KOI**	29950
11.486 H **KOI**	29950
11.486 H **Kreol FM**	29950
11.486 H **Kreol FM**	29950
11.486 H **NRJ Reunion**	29950
11.486 H **NRJ Reunion**	29950
11.486 H **Radio One**	29950
11.486 H **Radio One**	29950
11.486 H **Chasse et Peche**	29950
11.486 H **Chasse et Peche**	29950
11.486 H **Horoscope**	29950
11.486 H **Horoscope**	29950
11.486 H **Jeu Space Killer**	29950
11.486 H **Piwi**	29950
11.486 H **Piwi**	29950
● 11.486 H **testlb**	29950
● 11.658 H **CANAL+**	30000
● 11.658 H **CANAL+ CINEMA**	30000
● 11.658 H **CANAL+ SPORT**	30000
● 11.658 H **CINEMA EMOTION**	30000
● 11.658 H **CINEMA FRISSON**	30000
● 11.658 H **CINEMA PREMIER**	30000
● 11.658 H **EQUIDIA**	30000
● 11.658 H **EUROSPORT**	30000
● 11.658 H **LCI**	30000
● 11.658 H **M6**	30000
11.658 H **MOTORS TV**	30000
● 11.658 H **PLANETE JNR/THAL.**	30000
● 11.658 H **PLAYHOUSE DISNEY**	30000
● 11.658 H **RTL9**	30000
● 11.658 H **TF1**	30000
● 11.658 H **TF6**	30000
● 11.658 H **ZEE MUZIC**	30000
● 11.658 H **FRANCE VIVACE**	30000
● 11.658 H **FREQUENCE JAZZ**	30000
● 11.658 H **LE MOUV'**	30000
● 11.658 H **RADIO REUNION**	30000
● 11.658 H **RFM**	30000
● 11.658 H **FRANCE INFO**	30000
● 11.658 H **RFI**	30000

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Freq Pol **Channel Name** GHz	Symbol rate
● 11.538 H **13EME RUE**	30000
● 11.538 H **ACTION**	30000
● 11.538 H **CANAL J**	30000
● 11.538 H **Cartoon Network**	30000
● 11.538 H **CINEMA FAMIZ**	30000
● 11.538 H **DISNEY CHANNEL**	30000
● 11.538 H **i TELE**	30000
● 11.538 H **L'EQUIPE TV**	30000
● 11.538 H **MCM**	30000
● 11.538 H **PARIS PREMIERE**	30000
● 11.538 H **PLANETE**	30000
● 11.538 H **TCM**	30000
● 11.538 H **TELE REUNION**	30000
● 11.538 H **TEMPO/FRANCE Ô**	30000
● 11.538 H **TMC**	30000
● 11.538 H **TRACE**	30000
● 11.538 H **TV5**	30000
● 11.538 H **VOYAGE**	30000
● 11.575 H **TEVA**	30000
● 11.575 H **+DE FOOT**	30000
● 11.575 H **ANTENNE REUNION**	30000
● 11.575 H **BBC WORLD**	30000
● 11.575 H **CANAL EVENEMENT**	30000
● 11.575 H **CUISINE.TV**	30000
● 11.575 H **DISNEY CINEMAGIC**	30000
● 11.575 H **EURONEWS**	30000
● 11.575 H **LCP**	30000
● 11.575 H **MCM POP**	30000
● 11.575 H **MOTORS TV**	30000
● 11.575 H **NATIONAL GEO.**	30000
● 11.575 H **PLANETE NO LIMIT**	30000
● 11.575 H **SEASONS**	30000
● 11.575 H **SPORT+/NBA TV**	30000
● 11.575 H **TEST**	30000
● 11.575 H **TestCP**	30000
● 11.575 H **XXL**	30000
● 11.575 H **ZEE CINEMA**	30000
● 11.575 H **ZEE TV**	30000
● 11.618 H **AB moteurs**	29950
● 11.618 H **CNN I**	29950
● 11.618 H **Comedie**	29950
● 11.618 H **Equidia**	29950
● 11.618 H **Escales**	29950
● 11.618 H **Eurosport**	29950
● 11.618 H **Eurosport 2**	29950
● 11.618 H **Fun TV**	29950
● 11.618 H **G SPORTS ONE**	29950
● 11.618 H **Hotshow**	29950
● 11.618 H **Infosport**	29950
● 11.618 H **LCI**	29950
● 11.618 H **M6 Music Black**	29950
● 11.618 H **M6 Music Hits**	29950
● 11.618 H **Odyssee**	29950
● 11.618 H **TF1**	29950
● 11.618 H **TPS FOOT**	29950
● 11.618 H **TPS Star direct**	29950
● 11.618 H **TV Breizh**	29950
● 11.618 H **W9**	29950
● 11.618 H **CS 100**	29950
● 11.618 H **CS 101**	29950
● 11.618 H **Europe 1**	29950
● 11.618 H **Free DOM**	29950
● 11.618 H **Nostalgie**	29950
● 11.618 H **Radio Classique**	29950
● 11.618 H **Radio Plus**	29950

Freq Pol **Channel Name** GHz	Symbol rate
● 11.618 H **Radio Reunion**	29950
● 11.618 H **Radio Tana**	29950
● 11.618 H **RTA Gasy Radio**	29950
● 11.618 H **RTL**	29950
● 11.618 H **Sport O FM**	29950
● 11.618 H **TOP FM**	29950
● 11.618 H **RCF**	29950
● 11.618 H **01 04 01 03**	29950
● 11.618 H **CCTV**	29950
● 11.618 H **CS 1**	29950
● 11.618 H **Jetix**	29950
● 11.618 H **Jeu Bleex**	29950
● 11.618 H **Kanal Austral**	29950
● 11.618 H **Logo Ring Tone**	29950
● 11.618 H **SUDOKU**	29950
● 11.618 H **Teletoon**	29950

ASTRA 1E,1F,1G,1H,1KR,2C
19.2 East

AST01CH2

Freq Pol **Channel Name** GHz	Symbol rate
11.112 H **MDR Sputnik**	
11.421 H **test**	

AST01CV1

Freq Pol **Channel Name** GHz	Symbol rate
11.377 V **DMAX**	

AST01CV2

Freq Pol **Channel Name** GHz	Symbol rate
11.259 V **Eurosport**	
11.259 V **Eurosport**	

AST01EH1

Freq Pol **Channel Name** GHz	Symbol rate
11.009 V **Phoenix**	
11.009 V **2 Klassik**	
11.009 V **Bremen 4**	
11.009 V **Vera**	
11.009 V **WDR Funkhaus Europa**	
11.009 V **WDR Funkhaus Europa**	
11.053 H **WDR**	
11.053 H **EinsLive**	
11.053 H **WDR 2**	
11.053 H **WDR 3**	
11.053 H **WDR 4**	
11.053 H **WDR 5**	
11.053 H **EinsLive**	
11.053 H **WDR 2**	

AST01EH2

Freq Pol **Channel Name** GHz	Symbol rate
11.464 H **sonnenklar.tv**	
11.494 H **Das Erste**	
11.494 H **ARD-Sternpunkt 1 (Su**	
11.494 H **ARD-Sternpunkt 2 (Su**	
11.494 H **Bremen 1**	
11.494 H **DeutschlandRadio Kul**	
11.494 H **DLF**	
11.494 H **Nordwest**	
11.494 H **SR 1**	
11.494 H **SR2 Saar**	
11.494 H **SWR 3**	
11.523 H **DSF - Deutsches Sp**	
11.523 H **Radio Melodie**	
11.553 H **Tele 5**	
11.582 H **NDR**	
11.582 H **N-Joy**	
11.582 H **NDR 2**	
11.582 H **NDR Info**	
11.582 H **NDR Info Spezial (su**	
11.582 H **NDR Info Spezial (su**	
11.582 H **NDR Kultur**	
11.582 H **NDR 2**	
11.582 H **NDR Info**	
11.612 H **MTV Central (Germany**	
11.641 H **N-TV**	
11.641 H **EuroSpar Music**	

AST01EV1

Freq Pol **Channel Name** GHz	Symbol rate
10.936 V **9 Live**	
10.936 V **Sky Radio**	
11.127 V **Viva**	
11.127 V **Defjay**	
11.656 V **RBB Brandenburg**	
11.656 V **Antenne Brandenburg**	
11.656 V **Fritz**	
11.656 V **RBB 88acht**	
11.656 V **RBB info**	
11.656 V **RBB Kultur**	
11.656 V **RBB Multikulti**	
11.656 V **RBB Radio 1**	

AST01FH1

Freq Pol **Channel Name** GHz	Symbol rate
11.214 H **RTL 2**	
11.214 H **Jam FM**	
11.244 H **RTL Shop**	
11.273 H **Vox**	
11.273 H **Klassik Radio**	
11.273 H **RTL Radio**	
11.303 H **Comedy Central**	
11.362 H **Bloomberg TV Germany**	
11.391 H **Super RTL**	
11.391 H **RTL Radio**	
11.391 H **RTL Radio (NRW)**	
11.421 H **NICK**	
● 11.436 V **entavio Start**	22000
● 11.436 V **TCM MODERNO**	22000
● 11.436 V **TELEFE INT**	22000
● 11.436 V **APS Promo**	22000
● 11.436 V **entavio Home**	22000
11.436 V **Flirtrepublik**	22000
11.436 V **Glamour Girls**	22000
11.436 V **Glamour Girls**	22000
11.436 V **Glamour Girls**	22000
11.436 V **Heiße Nummer**	22000
11.436 V **jeden Tag X**	22000
11.436 V **Kurven-Reich**	22000

Freq Pol **Channel Name** GHz	Symbol rate
11.436 V **Liebesrundfunk**	22000
11.436 V **Piep Show**	22000
● 11.436 V **PORTADA**	22000
11.436 V **Telesünde**	22000
11.436 V **Tell You**	22000
11.436 V **VivaGina**	22000
11.436 V **Wellenlänge**	22000
11.720 H **PREMIERE FILMCLAS**	27500
11.720 H **PREMIERE FILMFEST**	27500
11.720 H **PREMIERE NOSTALGI**	27500
11.720 H **PREMIERE SPORT PO**	27500
11.720 H **CPT_TP65**	27500
11.798 H **PREMIERE 1**	27500
11.798 H **PREMIERE 2**	27500
11.798 H **PREMIERE 3**	27500
11.798 H **PREMIERE 4**	27500
11.798 H **PREMIERE KRIMI**	27500
11.798 H **PREMIERE SERIE**	27500
11.798 H **CPT_TP69**	27500
12.032 H **13 TH STREET**	27500
12.032 H **EROTIK - AB 18!**	27500
12.032 H **MGM**	27500
12.032 H **SCI FI**	27500
12.032 H **PREMIERE DIREKT**	27500
● 12.032 H **STAR XL LIVE**	27500
12.032 H **P-60ER**	27500
12.032 H **P-70ER**	27500
12.032 H **P-80ER**	27500
12.032 H **P-90ER**	27500
12.032 H **P-ALTERNATIVE ROC**	27500
12.032 H **P-CLASSIC ROCK**	27500
12.032 H **P-COUNTRY**	27500
12.032 H **P-DANCE**	27500
12.032 H **P-DEUTSCHE CHARTS**	27500
12.032 H **P-DINNER PARTY**	27500
12.032 H **P-HARD ROCK**	27500
12.032 H **P-JAZZ**	27500
12.032 H **P-KLASSIK**	27500
12.032 H **P-LOVE SONGS**	27500
12.032 H **P-R&B/HIP HOP**	27500
12.032 H **P-REGGAE**	27500
12.032 H **P-ROCK HYMNEN**	27500
12.032 H **P-ROCK N ROLL**	27500
12.032 H **P-SCHLAGER**	27500
12.032 H **P-SOUL CLASSICS**	27500
12.032 H **P-UK HITS**	27500
12.032 H **CPT_TP81**	27500
12.032 H **NDS Applikation**	27500
12.032 H **Philips DIS2221 IP**	27500
12.032 H **Thomson CAB IPDL**	27500
12.032 H **Videotext**	27500

AST01FH2

Freq Pol **Channel Name** GHz	Symbol rate
11.332 H **Kabel 1**	
11.332 H **Antenne Bayern**	
11.332 H **Rock Antenne**	
11.332 H **Antenne Bayern**	
11.759 H **ANIMAL PLANET**	27500
11.759 H **BEATE-UHSE.TV**	27500
11.759 H **DISCOVERY CHANNEL**	27500
11.759 H **DISCOVERY GESCHIC**	27500
11.759 H **DISNEY CHANNEL**	27500
11.759 H **FOCUS GESUNDHEIT**	27500
11.759 H **JETIX**	27500
11.759 H **JUNIOR**	27500
11.759 H **CPT_TP67**	27500
11.759 H **Samsung IPDL**	27500
11.759 H **TM V1.0**	27500
11.759 H **VCR-Setup**	27500

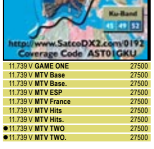
AST01FV1

Freq Pol **Channel Name** GHz	Symbol rate
12.246 V **! Primetime**	27500
12.246 V **.6live**	27500
12.246 V **.Club1.TV**	27500
12.246 V **666 Girls.TV**	27500
12.246 V **A1 Teleshop**	27500
12.246 V **A2 Teleshop**	27500
12.246 V **AbsolutSexy.TV**	27500
12.246 V **ACHTUNG Erotik.TV**	27500
12.246 V **ACHTUNG Singles.TV**	27500
12.246 V **Amore TV**	27500
● 12.246 V **Blitzkontakt.TV**	27500
12.246 V **DELUXE MUSIC**	27500
12.246 V **DMAX**	27500
12.246 V **DrDish Television**	27500
12.246 V **EroticDome**	27500
12.246 V **Franken SAT**	27500
12.246 V **Gebrauchtwagen TV**	27500
12.246 V **GeldvomStaat.TV**	27500
12.246 V **Gratis Hot TV**	27500
12.246 V **Herzschlag69**	27500
12.246 V **Hot Girls TV**	27500
12.246 V **JobTV24**	27500
12.246 V **Liebesglück.TV**	27500
● 12.246 V **Liebesglück.TV**	27500
12.246 V **Liebestraum.TV**	27500
12.246 V **Liebevoll.TV**	27500
12.246 V **LokalSAT**	27500
12.246 V **Lustkanal.TV**	27500
● 12.246 V **Mallorca.TV**	27500
12.246 V **münchen.TV/RFO**	27500
12.246 V **ONTV Regional**	27500
12.246 V **ParadiesErotik.TV**	27500
12.246 V **Partnersuche.TV**	27500
12.246 V **Pokermania.TV**	27500
12.246 V **ReiseSchnäppchen.TV**	27500
12.246 V **Ringtone TV**	27500
12.246 V **SAT Erotiktreff.TV**	27500
12.246 V **SexyGirls.TV**	27500
12.246 V **Shoppingfreude.TV**	27500
● 12.246 V **Sofortkontakte**	27500
12.246 V **tele6.tv**	27500
12.246 V **Top Girl Sex TV**	27500
12.246 V **Traumkontakt.tv**	27500
12.246 V **Venusclub.TV**	27500
12.246 V **XXXKanal.TV**	27500
12.246 V **DELUXE LOUNGE**	27500
12.246 V **DELUXE RADIO**	27500
12.246 V **TEDDY**	27500
12.246 V **more TV 01**	27500
12.246 V **more TV 02**	27500
12.246 V **more TV 03**	27500
12.246 V **more TV 04**	27500
12.246 V **more TV 06**	27500
12.246 V **more TV 07**	27500
12.246 V **moreTV**	27500

AST01FV2

Freq Pol **Channel Name** GHz	Symbol rate
11.229 V **RTL**	
11.288 V **Sat.1**	
11.347 V **3sat**	
11.347 V **Deutschlandfunk**	
11.347 V **DeutschlandRadio Kul**	
11.406 V **Pro 7**	
11.406 V **Radio Horeb**	
11.406 V **Sunshine Live**	
12.441 V **AXN**	27500
● 12.441 V **Bundesliga 1**	27500
● 12.441 V **Bundesliga 2**	27500
● 12.441 V **Bundesliga 3**	27500
● 12.441 V **Bundesliga 4**	27500
● 12.441 V **Bundesliga 7**	27500
● 12.441 V **Bundesliga 8**	27500
● 12.441 V **Bundesliga HOME**	27500
● 12.441 V **Bundesliga INFO**	27500
12.441 V **Cartoon Network**	27500
12.441 V **EuroSport 2**	27500
12.441 V **History Channel**	27500
12.441 V **Kinowelt**	27500
12.441 V **National Geographic**	27500
12.441 V **Passion**	27500

AST01GKU



Freq Pol **Channel Name** GHz	Symbol rate
11.739 V **GAME ONE**	27500
11.739 V **MTV Base**	27500
11.739 V **MTV Base.**	27500
11.739 V **MTV ESP**	27500
11.739 V **MTV France**	27500
11.739 V **MTV Hits**	27500
11.739 V **MTV Hits.**	27500
● 11.739 V **MTV TWO**	27500
● 11.739 V **MTV TWO.**	27500

Freq Pol **Channel Name** GHz	Symbol rate
11.739 V **Nick ESP**	27500
11.739 V **NICKELODEON Franc**	27500
11.739 V **VH1**	27500
11.739 V **VH1 Classic**	27500
11.739 V **VH1.**	27500
11.739 V **Data_System_TR_66**	27500
11.817 V **C CINEMA EMOTION**	27500
11.817 V **C CINEMA FRISSON**	27500
11.817 V **HISTOIRE**	27500
11.817 V **ITELE**	27500
11.817 V **ITELE**	27500
11.817 V **JIMMY**	27500
11.817 V **LA CHAINE METEO**	27500
11.817 V **MEZZO**	27500
11.817 V **MEZZO.**	27500
11.817 V **PARIS PREMIERE**	27500
11.817 V **SEASONS**	27500
11.817 V **SPORT+**	27500
11.817 V **EURONEWS**	27500
11.817 V **DATA SYSTEM[70]**	27500
11.856 V **C CINEMA PREMIER**	27500
11.856 V **CANAL+**	27500
11.856 V **CANAL+ CINEMA**	27500
11.856 V **CANAL+ DECALE**	27500
11.856 V **CANAL+ HI-TECH**	27500
11.856 V **CANAL+ HI-TECH.**	27500
11.856 V **CANAL+ SPORT**	27500
11.856 V **DISNEY CHANNEL**	27500
11.856 V **EQUIDIA**	27500
11.856 V **PAD**	27500
11.856 V **PMU sur Canal+**	27500
11.856 V **SCI FI**	27500
11.856 V **CDSA**	27500
11.856 V **DATA SYSTEM[72]**	27500
● 11.875 H **ANIMAX (P)**	27500
● 11.875 H **AXN (P)**	27500
● 11.875 H **BOOMERANG (a/P)**	27500
● 11.875 H **DISNEY PLAYHOUSE**	27500
● 11.875 H **DISNEY TOON (P)**	27500
● 11.875 H **E.CLIPS (P)**	27500
● 11.875 H **KINOWELT TV (P)**	27500
● 11.875 H **Service 9**	27500
● 11.875 H **sportdigital.tv**	27500
● 11.875 H **TCM (a/P)**	27500
11.875 H **Net sys 01**	27500
11.875 H **Net sys 03**	27500
11.895 V **C CINEMA CULTE**	27500
11.895 V **CHEZ VOUS TV**	27500
11.895 V **EUROPE 2 TV**	27500
11.895 V **EUROPE 2 TV**	27500
11.895 V **FOXLIFE**	27500
11.895 V **M6**	27500
11.895 V **M6**	27500
11.895 V **MCM**	27500
11.895 V **MCM POP**	27500
11.895 V **MCM TOP**	27500
11.895 V **TF1**	27500
11.895 V **TF1**	27500
11.895 V **DATA SYSTEM74**	27500
11.934 V **CANAL J**	27500
● 11.934 V **CANAL+ FAMILY**	27500
11.934 V **CUISINE TV**	27500
11.934 V **EUROSPORT**	27500
11.934 V **FILLES TV**	27500
11.934 V **LCI**	27500
11.934 V **PLANETE**	27500
● 11.934 V **PLANETE JUNIORS**	27500
11.934 V **TIJI**	27500
11.934 V **TMC**	27500
11.934 V **TMC**	27500
11.934 V **VOYAGE**	27500
11.934 V **{Empty}**	27500
11.934 V **DATA SYSTEM76**	27500
11.973 V **MTV Euro**	27500
11.973 V **MTV Idol**	27500
11.973 V **MTV Music**	27500
11.973 V **MTV NL**	27500
11.973 V **MTV Pulse**	27500
11.973 V **VIVA TV**	27500
11.973 V **COMEDY CENTRAL Ge**	27500
11.973 V **MTV Germany**	27500
11.973 V **NICK Germany**	27500
11.973 V **VIVA Germany**	27500
11.973 V **DATA SYSTEM TR 78**	27500
11.993 H **Cool**	27500
11.993 H **Duna TV**	27500
11.993 H **Echo TV**	27500
11.993 H **Film+**	27500
11.993 H **HBO**	27500
11.993 H **HBO**	27500
11.993 H **HBO2**	27500
11.993 H **m2**	27500
11.993 H **Magyar ATV**	27500
11.993 H **Minimax / Animax**	27500
11.993 H **Sport 1**	27500
11.993 H **Sport 2**	27500
11.993 H **TV Deko**	27500
11.993 H **TV Paprika**	27500
● 12.012 V **A LA CARTE 10**	27500
● 12.012 V **A LA CARTE 11**	27500
12.012 V **ESPN CLASSIC**	27500
12.012 V **FRANCE 2**	27500
12.012 V **FRANCE 2**	27500
12.012 V **FRANCE 3**	27500
12.012 V **FRANCE 3**	27500
● 12.012 V **MOTORS TV**	27500
12.012 V **TELE MELODY**	27500
12.012 V **TELEREALITE**	27500
12.012 V **TRACE TV**	27500
12.012 V **CINE+**	27500
● 12.012 V **CINE+**	27500
● 12.012 V **MAG A LA CARTE**	27500
12.012 V **DATA SYSTEM80**	27500
● 12.012 V **MAG A LA CARTE**	27500
12.304 H **Animal Planet**	27500
12.304 H **Discovery CE**	27500
12.304 H **Eurosport 2**	27500
12.304 H **Extreme Sports**	27500
12.304 H **Galaxie Sport**	27500
12.304 H **Hallmark**	27500
12.304 H **Hustler TV**	27500
12.304 H **Jetix/Jetix Max**	27500
12.304 H **Nat Geo**	27500
12.304 H **ZoneClub**	27500
12.304 H **ZoneReality**	27500
12.304 H **Game 1**	27500
12.304 H **Game 2**	27500
12.304 H **Game 3**	27500
12.304 H **Games Portal**	27500
● 12.304 H **Guide**	27500
12.304 H **NAGRA DOWNLOAD**	27500
12.304 H **PHILIPS DOWNLOAD**	27500
12.304 H **PHILIPS DOWNLOAD**	27500
12.304 H **UPC Direct Radio**	27500
12.304 H **UPC_EPG**	27500
12.383 H **bebe tv**	27500
12.383 H **CT1**	27500
12.383 H **CT2**	27500
12.383 H **CT4 Sport**	27500
12.383 H **Filmmuzeum**	27500
12.383 H **Music Box**	27500
12.383 H **Prima TV**	27500
12.383 H **TV JOJ**	27500
12.383 H **TV Markiza**	27500
12.383 H **TV Nova**	27500
12.383 H **XXX**	27500
12.383 H **CT24**	27500
12.515 H **Film1.1**	22000
12.515 H **Film1.2**	22000
12.515 H **NED1**	22000
12.515 H **NED2**	22000
12.515 H **NED3**	22000
12.515 H **NGC**	22000
12.515 H **Nickelodeon/Comedy C**	22000
12.515 H **RNN7**	22000
12.515 H **Sport1**	22000
● 12.515 H **Man-X**	22000
12.515 H **Classic FM**	22000
12.515 H **Q-Music**	22000
12.515 H **FunX**	22000
● 12.515 H **R538nonstop40**	22000
12.515 H **EPG**	22000
● 12.522 V **CANAL HD TEST 3**	22000
● 12.522 V **NATIONAL GEO HD**	22000
12.522 V **TF1 HD**	22000
● 12.522 V **CANAL+ HI-TECH HD**	22000
● 12.552 V **!Kanal Telemedial**	22000
● 12.552 V **[tru:] young tv**	22000
12.552 V **Astra Vision**	22000
12.552 V **Bloomberg TV Germany**	22000
12.552 V **Chamber TV**	22000
● 12.552 V **L1MBURG TV**	22000
12.552 V **LibertyTV FR**	22000
12.552 V **LUXE.TV SD**	22000
12.552 V **Medi1SAT**	22000
12.552 V **QVC Deutschland**	22000
12.552 V **RTL Tele Letzebuerg**	22000
12.552 V **L1MBURG Radio**	22000
12.552 V **ASTRA SDT**	22000
12.552 V **PVR service**	22000
● 12.574 H **BiB**	22000
● 12.574 H **Film1.3**	22000
● 12.574 H **Hallmark**	22000
12.574 H **NET5**	22000
12.574 H **SBS6**	22000
● 12.574 H **Tele2 / Het Gesprek**	22000
12.574 H **tien**	22000
12.574 H **TMF**	22000
12.574 H **Veronica/JETIX**	22000
12.574 H **BVN**	22000
12.574 H **NL-3FM**	22000
12.574 H **NL-Radio 2**	22000
12.574 H **NL-Radio 4**	22000
12.574 H **CAZ!**	22000
12.574 H **Juize.FM**	22000
12.574 H **KINK FM**	22000
12.574 H **NL-Radio 1**	22000
12.574 H **NL-Radio 5**	22000
12.574 H **NL-Radio 6**	22000
12.574 H **Radio Veronica**	22000
12.574 H **Radio10Gold**	22000
12.574 H **Radio538**	22000
12.574 H **RNW1**	22000
12.574 H **RNW2**	22000
12.574 H **RNW3**	22000
12.574 H **Sky Radio**	22000
12.574 H **Downl**	22000
● 12.581 V **{Empty}**	22000
● 12.581 V **{Empty}**	22000
12.581 V **M6 HD**	22000
● 12.581 V **CINE PREMIER HD**	22000
12.581 V **DATASYSTEM 110**	22000
12.604 H **TechniTipp-TV**	22000
12.604 H **WDR Aachen**	22000
12.604 H **WDR Bonn**	22000
12.604 H **WDR Duisburg**	22000
12.604 H **WDR Wuppertal**	22000
12.604 H **Euroklassik 1**	22000
12.604 H **Jazz Time**	22000
12.604 H **Kinderradio 1/ Konze**	22000
12.604 H **Radio Swiss Classic**	22000
12.604 H **Radio Swiss Jazz**	22000
12.604 H **Radio Swiss Pop**	22000

Freq Pol **Channel Name** GHz	Symbol rate
12.604 H **Radio Viola**	22000
12.604 H **RADIOROPA-Hörbuch**	22000
12.604 H **RADIOROPA-Hörbuch**	22000
12.604 H **RADIOROPA-Hörbuch**	22000
12.604 H **RADIOROPA-Hörbuch**	22000
12.604 H **Star*Sat Country**	22000
12.604 H **Star*Sat EASYTI**	22000
12.604 H **Star*Sat Gold**	22000
12.604 H **Star*Sat Hit-Express**	22000
12.604 H **Star*Sat Klassik**	22000
12.604 H **Star*Sat Melodie**	22000
12.604 H **RADIOROPA-BERLIN**	22000
12.604 H **AN PTU**	22000
● 12.604 H **ASTON DOWNLOAD**	22000
12.604 H **ASTRA SDT**	22000
12.604 H **Datendienst T1M**	22000
12.604 H **FP URMET**	22000
12.604 H **GRUNDIG DVB**	22000
12.604 H **HUMAX DOWNLOAD SV**	22000
12.604 H **Icomera**	22000
12.604 H **KaCTFL**	22000
12.604 H **Kathrein Download**	22000
12.604 H **MFTS Services**	22000
12.604 H **MMS02C**	22000
12.604 H **MMS1111A**	22000
12.604 H **Opentech**	22000
12.604 H **ProArzt**	22000
12.604 H **Proxy GAC 1.111**	22000
12.604 H **Samsung2**	22000
12.604 H **SEMCO Download**	22000
12.604 H **SGI_1111**	22000
12.604 H **SKYMASTER1**	22000
12.604 H **SKYMASTER2**	22000
12.604 H **STB Adimo**	22000
12.604 H **STB Arion**	22000
● 12.604 H **STB Aston2**	22000
12.604 H **STB Bang-Olufsen**	22000
12.604 H **STB Comag**	22000
12.604 H **STB Comag1**	22000
12.604 H **STB DMT**	22000
12.604 H **STB Echostar**	22000
12.604 H **STB Globalteq**	22000
12.604 H **STB Grob**	22000
12.604 H **STB GSS**	22000
12.604 H **STB Handan**	22000
12.604 H **STB Homecast**	22000
12.604 H **STB Hyundai**	22000
12.604 H **STB Inverto**	22000
12.604 H **STB Loewe**	22000
12.604 H **STB Opentech**	22000
12.604 H **STB Panasonic**	22000
12.604 H **STB Pesi**	22000
12.604 H **STB Philips**	22000
12.604 H **STB Radix**	22000
12.604 H **STB Radix 128kbps**	22000
12.604 H **STB Sandmartin**	22000
12.604 H **STB Setone**	22000
12.604 H **STB Siemens**	22000
12.604 H **STB Skardin**	22000
12.604 H **STB SMEL**	22000
12.604 H **STB SRADIX**	22000
12.604 H **STB Strong**	22000
12.604 H **STB Technisat**	22000
12.604 H **STB Won Ik**	22000
12.604 H **Topfield**	22000
12.604 H **tvtv Digital**	22000
12.604 H **tvtv DIGITAL**	22000
12.604 H **tvtv Digital 2**	22000
● 12.604 H **tvtv RP**	22000
12.640 V **BLOOMBERG TV**	22000
12.640 V **C CINEMA 16/9**	22000
12.640 V **CINE POLAR**	22000
12.640 V **DISNEY CHANNEL+1**	22000
● 12.640 V **DISNEY CINEMAGIC**	22000
● 12.640 V **DISNEY MAGIC+1**	22000
12.640 V **E! ENTERTAINMENT**	22000
12.640 V **GULLI**	22000
12.640 V **GULLI**	22000
12.640 V **MOTORS TV**	22000
12.640 V **PLAYHOUSE DISNEY**	22000
12.640 V **TEVA**	22000
12.640 V **DATASYSTEM 114**	22000
12.670 V **ActionNow**	22000
12.670 V **JIM**	22000
12.670 V **KANAALTWEE**	22000
12.670 V **Ketnet/Canvas**	22000
12.670 V **VIJFtv**	22000
12.670 V **Vitaya**	22000
12.670 V **VT4**	22000
12.670 V **VTM**	22000
12.670 V **één**	22000
12.670 V **KANAAL Z**	22000
12.670 V **4FM**	22000
12.670 V **Donna**	22000
12.670 V **Klara**	22000
12.670 V **Q-music**	22000
12.670 V **Radio 1**	22000
12.670 V **Radio 2**	22000
12.670 V **Studio Brussel**	22000
12.670 V **HUMAX DOWNLOAD SV**	22000
12.670 V **Samsung2**	22000
12.670 V **SEMCO Download**	22000
12.670 V **STB Technisat**	22000

AST01HKU

Freq Pol **Channel Name** GHz	Symbol rate
11.778 V **1.068 Spare**	27500
● 11.778 V **Boomerang**	27500
11.778 V **Cartoon Network**	27500
● 11.778 V **Spare 2**	27500
11.778 V **TCM**	27500
11.778 V **TCM**	27500
11.778 V **TVBS**	27500
11.778 V **CNN Int.**	27500
11.778 V **CNN Radio**	27500
11.778 V **DATA_SYS_68**	27500
11.837 H **arte**	27500
11.837 H **Bayerisches FS**	27500
11.837 H **BR-alpha**	27500
11.837 H **Das Erste**	27500
11.837 H **hr-fernsehen**	27500
11.837 H **Phoenix**	27500
11.837 H **SWR Fernsehen BW**	27500
11.837 H **Test-R**	27500
11.837 H **WDR Köln**	27500
11.915 H **DISCOVERY HD**	27500
11.915 H **PREMIERE HD**	27500
● 11.915 H **ASTRA HD+**	27500
12.051 V **Kabel 1 Austria**	27500
12.051 V **Kabel 1 Schweiz**	27500
12.051 V **ProSieben Austria**	27500
12.051 V **ProSieben Schweiz**	27500
● 12.051 V **PulsTV Austria**	27500
12.051 V **SAT.1 A**	27500
12.051 V **SAT.1 CH**	27500
● 12.071 H **1-2-3.tv**	27500
12.071 H **CLASSICA**	27500
12.071 H **GOLDSTAR TV**	27500
12.071 H **HEIMATKANAL**	27500
12.071 H **HIT24**	27500
12.071 H **PREMIERE START**	27500
● 12.071 H **RTL CRIME**	27500
● 12.071 H **P-60ER/70ER**	27500
● 12.071 H **P-80ER/90ER**	27500
● 12.071 H **P-COUNTRY**	27500
● 12.071 H **P-DEUTSCHE CHARTS**	27500
● 12.071 H **P-LOVE SONGS**	27500
● 12.071 H **P-RnB/HIP HOP**	27500
● 12.071 H **P-ROCK HYMNEN**	27500
● 12.071 H **BData3**	27500
12.071 H **CPT_TP83**	27500
12.090 V **C CINEMA STAR**	27500
12.090 V **DISCOVERY**	27500
12.090 V **INFOSPORT**	27500
12.090 V **M6 MUSIC HITS**	27500
● 12.090 V **PINK TV/PINK X**	27500
12.090 V **SERIE CLUB**	27500
12.090 V **TELETOON**	27500
● 12.090 V **TELETOON+1**	27500
12.090 V **TPS STAR**	27500
12.090 V **W9**	27500
12.090 V **W9**	27500
12.090 V **DATASYSTEM 84**	27500
12.109 H **ARD-TEST-2**	27500
12.109 H **EinsExtra**	27500
12.109 H **EinsFestival**	27500
12.109 H **EinsPlus**	27500
12.109 H **MDR FERNSEHEN**	27500
12.109 H **MDR S-ANHALT**	27500
12.109 H **MDR SACHSEN**	27500
12.109 H **MDR THÜRINGEN**	27500
12.109 H **NDR FS HH**	27500
12.109 H **NDR FS MV**	27500
12.109 H **NDR FS NDS**	27500
12.109 H **NDR FS SH**	27500
12.109 H **rbb Berlin**	27500
12.109 H **rbb Brandenburg**	27500
12.109 H **SWR Fernsehen RP**	27500
12.109 H **ARD-Online-Kanal**	27500
12.109 H **ARD-TEST-1**	27500
12.109 H **Bayern 4 Klassik**	27500
12.109 H **hr2**	27500
12.109 H **MDR FIGARO**	27500
12.109 H **MDR INFO**	27500
● 12.109 H **MDR SPUTNIK**	27500
12.109 H **NDR Kultur**	27500
12.109 H **SWR2**	27500
12.109 H **WDR 3**	27500
12.109 H **WDR 5**	27500
12.109 H **ARD-MHP-Data**	27500
● 12.129 V **A LA CARTE 1**	27500
● 12.129 V **A LA CARTE 13**	27500
● 12.129 V **A LA CARTE 14**	27500
● 12.129 V **A LA CARTE 2**	27500
● 12.129 V **A LA CARTE 4**	27500
● 12.129 V **A LA CARTE 5**	27500
● 12.129 V **A LA CARTE 6**	27500
● 12.129 V **A LA CARTE 7**	27500
● 12.129 V **A LA CARTE 8**	27500
● 12.129 V **A LA CARTE 9**	27500
● 12.129 V **A LA CARTE 3**	27500
12.129 V **DATA SYSTEM[86]**	27500
● 12.149 H **Alpenglühen TVX**	27500
12.149 H **BD 1**	27500
12.149 H **BD 4**	27500
12.149 H **PFH**	27500
12.149 H **PREMIERE Austria**	27500
12.149 H **Der Schmuckkanal**	27500
12.149 H **GOD Channel**	27500

Freq Pol **Channel Name** GHz	Symbol rate
12.149 H **Q TV SHOP**	27500
12.149 H **RNFplus**	27500
12.149 H **rtn myestate**	27500
12.149 H **TIER.TV**	27500
12.149 H **Voyages Television**	27500
12.149 H **YAVIDO CLIPS**	27500
12.149 H **2255 Gewinnradio**	27500
12.149 H **ANTENNE BAYERN**	27500
12.149 H **ERF Radio**	27500
12.149 H **ROCK ANTENNE**	27500
12.149 H **sunshine live**	27500
● 12.149 H **BData4**	27500
12.188 H **RTL Crime**	27500
12.188 H **RTL Living**	27500
12.188 H **n-tv**	27500
12.188 H **RTL Shop**	27500
12.188 H **RTL Television**	27500
12.188 H **RTL2**	27500
12.188 H **Super RTL**	27500
12.188 H **Traumpartner TV**	27500
12.188 H **VOX**	27500
12.207 V **FRANCE 5**	27500
12.207 V **FRANCE 5**	27500
12.207 V **FRANCE Ô**	27500
12.207 V **OLTV**	27500
12.207 V **OM'TV**	27500
12.207 V **PLANETE THALASSA**	27500
12.207 V **PLAYBOY TV**	27500
12.207 V **TV BREIZH**	27500
● 12.207 V **A LA CARTE 12**	27500
12.207 V **ADO**	27500
12.207 V **ALOUETTE**	27500
12.207 V **BBC ARABIC**	27500
12.207 V **BBCW SERVICE**	27500
12.207 V **BEUR FM**	27500
12.207 V **BFM**	27500
12.207 V **CANALSAT RADIOS**	27500
12.207 V **CHERIE FM**	27500
12.207 V **CONTACT FM**	27500
12.207 V **COULEUR 3**	27500
12.207 V **CSAT RADIOS**	27500
12.207 V **EUROPE 1**	27500
12.207 V **EUROPE 2**	27500
12.207 V **FIP**	27500
12.207 V **FRANCE BLEU IDF**	27500
12.207 V **France CULTURE**	27500
12.207 V **France INFO**	27500
12.207 V **France INTER**	27500
12.207 V **FRANCE MUSIQUE**	27500
12.207 V **FREQUENCE JAZZ**	27500
12.207 V **FUN RADIO**	27500
12.207 V **LE MOUV**	27500
12.207 V **MC DOUALIYA**	27500
12.207 V **MEDI 1**	27500
12.207 V **NOSTALGIE**	27500
12.207 V **NRJ**	27500
12.207 V **OUI FM**	27500
● 12.207 V **PARENTHESE RADIO**	27500
● 12.207 V **RADIO 1**	27500
● 12.207 V **RADIO 2**	27500
● 12.207 V **RADIO 3**	27500
12.207 V **RADIO ALPHA**	27500
12.207 V **RADIO CLASSIQUE**	27500
12.207 V **RADIO FG**	27500
● 12.207 V **RADIO FRANCE**	27500
12.207 V **RADIO INT**	27500
12.207 V **RADIO INT 2**	27500
12.207 V **RADIO LATINA**	27500
12.207 V **RADIO NOTRE-DAME**	27500
12.207 V **RADIO NOVA**	27500
12.207 V **RADIOS 2**	27500
12.207 V **RADIOS 3**	27500
12.207 V **RCJ / SHALOM**	27500
12.207 V **RF**	27500
12.207 V **RFI INT**	27500
12.207 V **RFI Multilingues**	27500
12.207 V **RFM**	27500
12.207 V **RIRE ET CHANSONS**	27500
12.207 V **RMC**	27500
12.207 V **RTL**	27500
12.207 V **RTL 2**	27500
12.207 V **SKYROCK**	27500
12.207 V **SUD RADIO**	27500
12.207 V **TSF**	27500
12.207 V **VIBRATION**	27500
12.207 V **VOLTAGE**	27500
12.207 V **WRN**	27500
● 12.207 V **CSAT RADIOS**	27500
12.207 V **DATA SYSTEM[90]**	27500
12.227 H **EuroNews**	27500
12.227 H **Eurosport**	27500
12.227 H **HSE24 Digital**	27500
12.227 H **MTV AUSTRIA**	27500
12.227 H **NICK AUSTRIA**	27500
12.227 H **RTL Austria**	27500
12.227 H **RTL2 Austria**	27500
12.227 H **Super RTL A**	27500
12.227 H **VOX Austria**	27500
● 12.227 H **Guide Plus+**	27500
12.266 H **Radio Bremen TV**	27500
12.266 H **SR Fernsehen**	27500
12.266 H **1LIVE**	27500
12.266 H **1LIVE diggi**	27500
12.266 H **Antenne Brandenburg**	27500
12.266 H **B5 aktuell**	27500
● 12.266 H **B5 plus**	27500
12.266 H **Bayern 1**	27500
● 12.266 H **Bayern 2**	27500
12.266 H **Bayern 3**	27500
12.266 H **Bayern 4 Klassik**	27500
● 12.266 H **Bayern Mobil**	27500
● 12.266 H **BR Verkehr**	27500
12.266 H **Bremen Eins**	27500
12.266 H **Bremen Vier**	27500
12.266 H **cont.ra**	27500
● 12.266 H **Das Modul**	27500
12.266 H **DASDING**	27500
12.266 H **DW 1**	27500
12.266 H **DW 4**	27500
12.266 H **Fritz**	27500
● 12.266 H **hr iNFO**	27500
● 12.266 H **hr iNFO +**	27500
12.266 H **hr1**	27500
12.266 H **hr2**	27500
12.266 H **hr3**	27500
12.266 H **hr4**	27500
12.266 H **InfoRadio**	27500
12.266 H **kulturradio**	27500
12.266 H **MDR FIGARO**	27500
12.266 H **MDR INFO**	27500
12.266 H **MDR JUMP**	27500
● 12.266 H **MDR SPUTNIK**	27500
12.266 H **MDR1 S-ANHALT**	27500
● 12.266 H **MDR1 SACHSEN**	27500
12.266 H **MDR1 THÜRINGEN**	27500
12.266 H **N-JOY**	27500
12.266 H **NDR 1 Niedersachsen**	27500
12.266 H **NDR 1 Radio MV**	27500
12.266 H **NDR 1 Welle Nord**	27500
12.266 H **NDR 2**	27500
12.266 H **NDR 90,3**	27500
12.266 H **NDR Info**	27500
12.266 H **NDR Info Spezial**	27500
12.266 H **NDR Kultur**	27500
12.266 H **Nordwestradio**	27500
12.266 H **radioBERLIN 88,8**	27500
12.266 H **radioeins**	27500
12.266 H **radiomultikulti**	27500
12.266 H **SR1**	27500
12.266 H **SR2**	27500
12.266 H **SR3**	27500
12.266 H **SWR1 BW**	27500
12.266 H **SWR1 RP**	27500
12.266 H **SWR2**	27500
12.266 H **SWR3**	27500
12.266 H **SWR4 BW**	27500
12.266 H **SWR4 RP**	27500
12.266 H **WDR 2**	27500
12.266 H **WDR 2 Klassik**	27500
12.266 H **WDR 3**	27500
12.266 H **WDR 4**	27500
12.266 H **WDR 5**	27500
12.266 H **WDR Event**	27500
12.266 H **WDR Funkhaus Europa**	27500
12.266 H **YOU FM**	27500
12.285 V **AB MOTEURS**	27500
12.285 V **AB1**	27500
12.285 V **ACTION**	27500
12.285 V **ANIMAUX**	27500
12.285 V **CINE FX**	27500
● 12.285 V **CINE POLAR**	27500
12.285 V **ENCYCLOPEDIA**	27500
12.285 V **ESCALES**	27500
12.285 V **MANGAS**	27500
12.285 V **RTL9**	27500
12.285 V **toute L'HISTOIRE**	27500
12.285 V **ZIK/XXL**	27500
12.285 V **LCP**	27500
12.285 V **LCP**	27500
12.285 V **NT1**	27500
12.285 V **NT1**	27500
12.285 V **DATA SYSTEM TR94**	27500
12.324 V **JET**	27500
12.324 V **ONZEO**	27500
12.324 V **PRIVATE SPICE**	27500
12.324 V **SAILING CHANNEL**	27500
12.324 V **CASH TV**	27500
12.324 V **MOSA 2**	27500
● 12.324 V **MOSA 2**	27500
● 12.324 V **MOSA 3**	27500
12.324 V **MOSA 3**	27500
12.324 V **MOSA 4**	27500
● 12.324 V **MOSA 4**	27500
● 12.324 V **MOSAIQUE**	27500
12.324 V **MOSAIQUE**	27500
12.324 V **CDN12**	27500
● 12.324 V **CE SOIR**	27500
12.324 V **EVENEMENT**	27500
12.324 V **{Empty}**	27500
12.324 V **{Empty}**	27500
12.324 V **{Empty}**	27500
12.324 V **{Empty}**	27500
● 12.324 V **01 03 01 47**	27500
● 12.324 V **01 04 01 47**	27500
● 12.324 V **01 06 01 47**	27500
● 12.324 V **01 07 01 47**	27500
● 12.324 V **01 08 01 47**	27500
● 12.324 V **02 01 01 83**	27500
● 12.324 V **02 02 01 83**	27500
● 12.324 V **02 04 01 83**	27500
● 12.324 V **02 05 01 83**	27500
● 12.324 V **02 06 01 83**	27500
12.324 V **DATA SYSTEM[96]**	27500
12.344 H **Animal Planet**	27500
12.344 H **Cartoon/TCM**	27500
12.344 H **Discovery**	27500
12.344 H **DORCEL TV**	27500
12.344 H **EUROSPORT**	27500
12.344 H **PRIVATE SPICE**	27500
12.344 H **RTL4**	27500
12.344 H **RTL5**	27500
12.344 H **RTL7**	27500

Freq Pol **Channel Name** GHz	Symbol rate
● 12.344 H **RTL8**	27500
12.344 H **TV Oranje**	27500
12.344 H **MM**	27500
12.344 H **RTL RADIO**	27500
12.344 H **RVi1 (VRT)**	27500
12.344 H **RVi2 (VRT)**	27500
12.363 V **DT1**	27500
12.363 V **DT15**	27500
12.363 V **DT16**	27500
12.363 V **DT18**	27500
12.363 V **DT4**	27500
12.363 V **DT5**	27500
12.363 V **DT6**	27500
12.363 V **DT8**	27500
12.363 V **DT9**	27500
12.363 V **ADIBOU TV**	27500
12.363 V **CASH TVi**	27500
12.363 V **DT13**	27500
12.363 V **DT2**	27500
12.363 V **DT20**	27500
12.363 V **PLAYIN'TV**	27500
● 12.363 V **01 03 04 47**	27500
● 12.363 V **01 04 04 47**	27500
● 12.363 V **01 06 04 47**	27500
● 12.363 V **01 07 04 47**	27500
● 12.363 V **01 08 04 47**	27500
● 12.363 V **02 01 04 83**	27500
● 12.363 V **02 02 04 83**	27500
● 12.363 V **02 04 04 83**	27500
● 12.363 V **02 05 04 83**	27500
● 12.363 V **02 06 04 83**	27500
● 12.363 V **BIENVENUE SUR AST**	27500
12.363 V **CDN5**	27500
12.363 V **DATA SYSTEM[98]**	27500
● 12.363 V **DOWNLOAD DUALS PH**	27500
12.363 V **DOWNLOAD MMAX PHI**	27500
12.363 V **DOWNLOAD MMAX SAG**	27500
● 12.363 V **DOWNLOAD TNTSAT S**	27500
12.363 V **DT10**	27500
12.363 V **DT11**	27500
12.363 V **DT12**	27500
12.363 V **DT14**	27500
12.363 V **DT17**	27500
12.363 V **DT19**	27500
12.363 V **DT3**	27500
12.363 V **DT7**	27500
● 12.363 V **EPG**	27500
● 12.363 V **ESPACE CLIENT**	27500
12.363 V **ESPACE CLIENT**	27500
12.402 V **13EME RUE**	27500
12.402 V **C CINEMA CLASSIC**	27500
12.402 V **C CINEMA FAMIZ**	27500
12.402 V **COMEDIE !**	27500
12.402 V **EQUIDIA INFO**	27500
12.402 V **JETIX**	27500
12.402 V **L'EQUIPE TV**	27500
12.402 V **NATIONAL GEO**	27500
12.402 V **NRJ 12**	27500
12.402 V **NRJ 12**	27500
12.402 V **PLANETE NO LIMIT**	27500
12.402 V **REAL TIME**	27500
12.402 V **DATA SYSTEM[100]**	27500
● 12.422 H **EinsFestival HD**	27500
12.422 H **MDR S-ANHALT+**	27500
12.422 H **MDR SACHSEN+**	27500
12.422 H **MDR THÜRINGEN+**	27500
12.422 H **NDR FS HH+**	27500
12.422 H **NDR FS MV+**	27500
12.422 H **NDR FS SH+**	27500
12.422 H **WDR Bielefeld**	27500
12.422 H **WDR Dortmund**	27500
12.422 H **WDR Düsseldorf**	27500
12.422 H **WDR Essen**	27500
12.422 H **WDR Münster**	27500
12.422 H **WDR Siegen**	27500
12.422 H **WDR Test A**	27500
12.422 H **MEHRKANALTEST**	27500
12.460 H **1-2-3.tv**	27500
12.460 H **BLUCOM DEMOKANAL**	27500
12.460 H **DAS VIERTE**	27500
12.460 H **Daystar Television N**	27500
12.460 H **Deutsches Gesundheit**	27500
12.460 H **GIGA**	27500
12.460 H **imusic TV**	27500
12.460 H **JAMBA! TV**	27500
12.460 H **lastminute.TV**	27500
12.460 H **tv.gusto**	27500
12.460 H **UProm.TV**	27500
12.460 H **domradio**	27500
12.460 H **Klassik Radio**	27500
12.460 H **OldieStar Radio**	27500
12.460 H **Radio Melodie**	27500
12.460 H **moreTV07**	27500
12.460 H **moreTV08**	27500
12.460 H **moreTV09**	27500
12.480 V **9Live_alt**	27500
12.480 V **AstroTV**	27500
12.480 V **DSF**	27500
● 12.480 V **glück TV**	27500
12.480 V **HSE24**	27500
12.480 V **N24_alt**	27500
12.480 V **ProSieben_alt**	27500
12.480 V **Sonnenklar TV**	27500
● 12.480 V **SpiritON.TV**	27500
12.480 V **TELE 5**	27500
12.480 V **BData1**	27500
● 12.480 V **BData2**	27500
● 12.633 H **! Volksmusik.tv**	22000
12.633 H **123Damenwahl**	22000
● 12.633 H **AbsoluteSexy**	22000
12.633 H **Bahn TV**	22000
● 12.633 H **Date Line**	22000
12.633 H **Deutsche Girls 2**	22000
12.633 H **dhd24.tv**	22000
12.633 H **Entertainment Channe**	22000
● 12.633 H **Erotik 24**	22000
12.633 H **Erotik Sat**	22000
12.633 H **Erotikpalast.TV**	22000
12.633 H **Gems TV**	22000
● 12.633 H **jeden Tag x**	22000
12.633 H **K-TV**	22000
12.633 H **Maennersache**	22000
12.633 H **Manneskraft.TV**	22000
● 12.633 H **Mobile Sex**	22000
12.633 H **Nie mehr einsam TV**	22000
12.633 H **paradise**	22000
12.633 H **rhein main tv**	22000
12.633 H **Seitensprung.TV**	22000
12.633 H **SexySat**	22000
12.633 H **Supreme Master TV**	22000
12.633 H **Traumgirls.TV**	22000
12.633 H **DefJay 100% R&B**	22000
12.633 H **ffn digital**	22000
12.633 H **harmony.fm**	22000
12.633 H **HIT RADIO FFH**	22000
12.633 H **Inselradio**	22000
● 12.633 H **PEPPERMINTfm**	22000
12.633 H **planet radio**	22000
12.633 H **radio top40**	22000
12.633 H **WRN Deutsch**	22000
12.633 H **RAPS**	22000
● 12.663 H **Bundesliga 9**	22000
12.663 H **NASN**	22000
● 12.663 H **NASN (P)**	22000
12.663 H **AKTIV DIREKT TV**	22000
12.663 H **ALL FUN TV**	22000
12.663 H **Flirtrepublik**	22000
12.663 H **GoTV**	22000
12.663 H **Heiße Nummer**	22000
12.663 H **INNSAT.TV**	22000
12.663 H **Intim TV**	22000
12.663 H **Kuren und Wellness**	22000
12.663 H **Kurven-Reich**	22000
12.663 H **Liebeskanal**	22000
12.663 H **Piep Show**	22000
12.663 H **Telesünde**	22000
12.663 H **TW1**	22000
12.663 H **Uschi TV**	22000
12.663 H **Uschi´s Schwestern**	22000
● 12.663 H **Weiber TV**	22000
12.663 H **1 International**	22000
12.663 H **FM4**	22000
12.663 H **OE1**	22000
12.663 H **OE1 DD**	22000
12.663 H **OE2 B**	22000
12.663 H **OE2 K**	22000
12.663 H **OE2 N**	22000
12.663 H **OE2 O**	22000
12.663 H **OE2 S**	22000
12.663 H **OE2 St**	22000
12.663 H **OE2 T**	22000
12.663 H **OE2 V**	22000
12.663 H **OE2 W**	22000
12.663 H **OE3**	22000
12.663 H **RADIO MARIA**	22000
12.663 H **Kaon OTA**	22000
12.692 H **ORF2**	22000
12.692 H **ORF2 K**	22000
12.692 H **ORF2 N**	22000
12.692 H **ORF2 O**	22000
12.692 H **ORF2 St**	22000
12.692 H **ORF2 T**	22000
12.692 H **ATV+**	22000
● 12.692 H **Bundesliga 5**	22000
● 12.692 H **Bundesliga 6**	22000
12.692 H **ORF1**	22000
12.692 H **ORF2 B**	22000
12.692 H **ORF2 S**	22000
12.692 H **ORF2 V**	22000
12.692 H **ORF2 W**	22000
12.692 H **HITRADIO OE3**	22000
12.692 H **ORF2E**	22000
12.692 H **AlphaCrypt**	22000
12.722 H **ANIXE HD**	22000
12.722 H **ASTRA HD**	22000
12.722 H **ProSieben HD**	22000
12.722 H **Sat.1 HD**	22000

AST02CKU

Freq Pol **Channel Name** GHz	Symbol rate
10.714 H **KiKa**	
10.729 V **Das Vierte**	
10.759 V **QVC Germany**	
10.803 H **N24**	
10.891 H **SWR Rheinland Pfalz**	
10.906 V **Home Shopping Europe**	
10.906 V **ERF**	
10.964 H **ZDF**	
10.964 H **Astra-Test**	

Freq Pol **Channel Name** GHz	Symbol rate
10.964 H **Astra-Test 2**	
10.994 H **arte**	
11.023 H **Astro TV**	
11.068 V **Hessen Fernsehen**	
11.068 V **HR 1**	
11.068 V **HR 2**	
11.068 V **HR 3**	
11.068 V **HR 4**	
11.068 V **HR Info**	
11.068 V **HR Info +**	
11.068 V **You FM**	
11.082 H **BR Alpha**	
11.112 H **MDR**	
11.112 H **Jump**	
11.112 H **MDR Figaro**	
11.112 H **MDR Info**	
11.112 H **MDR Sputnik**	
11.141 H **Bayerisches Fernsehe**	
11.141 H **Bayern 3**	
11.141 H **Bayern 4**	
11.141 H **Bayern 5 Aktuell**	
11.141 H **Bayern1 Oberbayern**	
11.141 H **Bayern2 Radio**	
11.171 H **1-2-3 TV**	
11.171 H **WDR 4**	
11.186 V **SWR Baden-Wurttember**	
11.186 V **Cont.RA**	
11.186 V **DasDing**	
11.186 V **SWR 1 Baden Wurttemb**	
11.186 V **SWR 1 Rheinland Pfal**	
11.186 V **SWR 2 Baden Wurttemb**	
11.186 V **SWR 2 RP**	
11.186 V **SWR 3**	
11.186 V **SWR 4 BW Stuttgart**	
11.186 V **SWR 4 RP Kaisersla**	
12.168 V **EUROSPORT 2**	27500
12.168 V **EXTREME SPORTS**	27500
12.168 V **FRANCE 4**	27500
12.168 V **FRANCE 4**	27500
12.168 V **PIWI**	27500
12.168 V **TELETOON+1**	27500
12.168 V **TF6**	27500
12.168 V **TPS FOOT**	27500
12.168 V **USHUAIA TV**	27500
12.168 V **CANAL HD**	27500
12.168 V **{Empty}**	27500
12.168 V **DATASYSTEM 88**	27500

AST1KRKU

Freq Pol **Channel Name** GHz	Symbol rate
10.744 H **CNBC Europe (-20**	
10.744 H **Travelshop (2000- C**	
10.772 H **SUPERSTACJA**	22000
10.788 V **BOOMERANG**	22000
10.788 V **CARTOON NET.**	22000
10.788 V **TAQUILLA 1**	22000
10.788 V **TAQUILLA 2**	22000
10.788 V **TAQUILLA 3**	22000
10.788 V **TAQUILLA 4**	22000
10.788 V **TAQUILLA XY**	22000
10.788 V **TAQUILLA 10**	22000
10.818 V **AXN**	22000
10.818 V **C+ ACCIÓN...30**	22000
10.818 V **C+ COMEDIA...30**	22000
10.818 V **CANAL COCINA**	22000
10.818 V **CARACOL TV**	22000
10.818 V **DCINE ESPAÑOL**	22000
10.818 V **ECUAVISA INT**	22000
10.818 V **FOX**	22000
10.818 V **SCI FI**	22000
10.818 V **TVE 1**	22000
10.818 V **TVV INT.**	22000
10.832 H **24.CZ**	22000
10.832 H **Bibel TV**	22000
10.832 H **eUrotic TV**	22000
10.832 H **Ocko TV**	22000
10.832 H **RTBF SAT**	22000
10.832 H **SportsWin.TV**	22000
10.832 H **T.TV**	22000
10.832 H **Top TV**	22000
10.832 H **TV TRWAM**	22000
10.832 H **CFN/RFC**	22000
10.832 H **Radio Horeb**	22000
10.832 H **Radio Maryja**	22000
10.832 H **Radio New Hope**	22000
10.832 H **RDC**	22000
10.832 H **RTBF International**	22000
● 10.847 V **ABONO FÚTBOL+**	22000
10.847 V **COMPRA SMS**	22000
● 10.847 V **F. del PILAR**	22000
10.847 V **GUÍA DIGITAL+**	22000
● 10.847 V **GUÍA DIGITAL+**	22000
10.847 V **IBERDROLA**	22000
10.847 V **MÚSICA DIGITAL**	22000
10.847 V **ORANGE**	22000
10.847 V **PLAYIN'TV**	22000
● 10.847 V **RAD. LATINAS**	22000
10.847 V **RADIOS**	22000
● 10.847 V **TAQUILLA**	22000
10.847 V **TEST_CSD2**	22000
10.847 V **TEST_CSD4**	22000
10.847 V **TEST_CSD5**	22000
10.847 V **{Empty}**	22000
10.847 V **{Empty}**	22000
10.847 V **{Empty}**	22000
10.847 V **{Empty}**	22000
10.847 V **{Empty}**	22000
10.847 V **{Empty}**	22000
10.847 V **{Empty}**	22000
10.847 V **{Empty}**	22000
10.847 V **{Empty}**	22000
● 10.847 V **{Empty}**	22000
10.847 V **{Empty}**	22000
10.847 V **{Empty}**	22000
10.847 V **{Empty}**	22000
10.847 V **{Empty}**	22000
10.847 V **RADIOS ESP**	22000
10.847 V **TEST TÉCNICO**	22000
10.847 V **TEST_CSD14**	22000
10.847 V **TEST_CSD15**	22000
10.847 V **TEST_CSD3**	22000
10.847 V **{Empty}**	22000
10.862 H **TVP Sport**	22000
10.862 H **TVP1**	22000
10.862 H **TVP2**	22000
10.862 H **TV Polonia**	22000
10.862 H **TVP Historia**	22000
● 10.862 H **TVP Info**	22000
10.862 H **TVP Kultura**	22000
10.877 V **40 LATINO**	22000
10.877 V **40 LATINO**	22000
10.877 V **C+ DEPORTES**	22000
10.877 V **C+ DEPORTES**	22000
10.877 V **C+ FÚTBOL**	22000
10.877 V **C+ FÚTBOL**	22000
10.877 V **CANAL+...30**	22000
10.877 V **FOX NEWS**	22000
10.877 V **GOLF+**	22000
● 10.877 V **NAT GEOGRAPH**	22000
10.877 V **PLAYBOY TV**	22000
10.921 H **AXN**	22000
10.921 H **BBC Prime**	22000
10.921 H **Blue Hustler**	22000
10.921 H **Boomerang**	22000
10.921 H **Cartoon Network/TCM**	22000
10.921 H **MGM**	22000
10.921 H **STV1**	22000
10.921 H **TA3**	22000
10.921 H **Test Service**	22000
10.921 H **Viasat 3**	22000
10.921 H **Viasat Explorer**	22000
10.921 H **Viasat History**	22000
10.921 H **Travel**	22000
10.979 V **24 HORAS**	22000
10.979 V **24 HORAS**	22000
10.979 V **CLAN TVE**	22000
10.979 V **CLÁSICO**	22000
10.979 V **CUATRO**	22000
10.979 V **CUATRO**	22000
10.979 V **EUROSPORT**	22000
● 10.979 V **HISTORIA**	22000
10.979 V **HOLLYWOOD**	22000
10.979 V **TELENOVELAS**	22000
10.979 V **TELENOVELAS**	22000
10.979 V **TNT**	22000
10.979 V **TNT**	22000
10.979 V **EHS**	22000
10.979 V **TV CANARIA**	22000
11.038 V **40 TV**	22000
11.038 V **CANAL+**	22000
11.038 V **CANAL+ 2**	22000
11.038 V **DISCOVERY**	22000
● 11.038 V **DISNEY CH.**	22000
11.038 V **DOCU TVE**	22000
11.038 V **SPORTMANÍA**	22000
11.038 V **TELEDEPORTE**	22000
11.097 V **BARÇA TV**	22000
11.097 V **C+ EVENTOS**	22000
11.097 V **C+ EVENTOS**	22000
11.097 V **TAQUILLA 5**	22000
11.097 V **TAQUILLA 6**	22000
11.097 V **TAQUILLA 7**	22000
11.097 V **TAQUILLA 8**	22000
11.097 V **TAQUILLA XX**	22000
11.097 V **TAQUILLA XX**	22000
● 11.097 V **TAQUILLA 9**	22000
11.097 V **TAQUILLA X**	22000
11.097 V **{Empty}**	22000
11.156 V **BLOOMBERG**	22000
11.156 V **CALLE 13**	22000
11.156 V **CAZA Y PESCA**	22000
11.156 V **COSMOPOLITAN**	22000
11.156 V **LA 2**	22000
11.156 V **MÉTEO**	22000
11.156 V **MÉTEO**	22000
● 11.156 V **PAR. COMEDY**	22000
11.156 V **PEOPLE+ARTS**	22000
● 11.156 V **R. MADRID TV**	22000
11.156 V **VIAJAR**	22000
11.156 V **VIAJAR**	22000
● 11.156 V **FERIA PILAR**	22000
11.318 V **C+ ACCIÓN**	22000
11.318 V **C+ ACCIÓN**	22000
11.318 V **C+ COMEDIA**	22000
11.318 V **C+ COMEDIA**	22000
11.318 V **C+ DCINE**	22000
11.318 V **C+ DCINE**	22000
11.318 V **CANAL ODISEA**	22000
11.318 V **DISNEY CH. +1**	22000

Freq Pol **Channel Name** GHz	Symbol rate
● 11.318 V **INTERECON TV**	22000
11.318 V **JETIX**	22000
11.318 V **PLAYHOUSE**	22000
11.318 V **TOON DISNEY**	22000
● 11.479 V **BABY FIRST**	22000
● 11.479 V **CANAL EVENEMENT**	22000
● 11.479 V **PLANETE JUSTICE**	22000
11.479 V **Omroep Brabant Telev**	22000
11.479 V **Omroep Zeeland Telev**	22000
11.479 V **Omrop Fryslan Televi**	22000
11.479 V **TV Drenthe**	22000
11.479 V **TV Gelderland**	22000
11.479 V **TV Noord**	22000
11.479 V **TV Noord-Holland**	22000
11.479 V **TV Oost**	22000
11.479 V **TV Rijnmond**	22000
11.479 V **Omroep Brabant Radio**	22000
11.479 V **Omroep Zeeland Radio**	22000
11.479 V **Omrop Fryslan Radio**	22000
11.479 V **Radio Drenthe**	22000
11.479 V **Radio Gelderland**	22000
11.479 V **Radio Noord**	22000
11.479 V **Radio Noord-Holland**	22000
11.479 V **Radio Oost**	22000
11.479 V **Radio Rijnmond**	22000
● 11.479 V **DATA SYSTEM 18**	22000
11.509 V **AL JAZEERA ENG**	22000
11.509 V **ARIRANG TV**	22000
11.509 V **BFM TV**	22000
11.509 V **BFM TV**	22000
11.509 V **CUBAVISION**	22000
11.509 V **DEMAIN TV**	22000
11.509 V **EXTREMADURA TV**	22000
11.509 V **REAL MADRID TV**	22000
11.509 V **REDERECORD**	22000
11.509 V **TELIF**	22000
11.509 V **DATA SYSTEM**	22000
11.538 V **ALEGRIA**	22000
11.538 V **ARAGON TV**	22000
11.538 V **DIRECT 8**	22000
11.538 V **DIRECT 8**	22000
11.538 V **EWTN Europe**	22000
11.538 V **France 24 (en Franca**	22000
11.538 V **France 24 (in Englis**	22000
11.538 V **KTO**	22000
11.538 V **NRJ Hits**	22000
11.538 V **Russia Today**	22000
11.538 V **Radio Aragon**	22000
11.568 V **2M Maroc**	22000
11.568 V **Al Jazeera**	22000
11.568 V **Al Masriya**	22000
11.568 V **ARTE**	22000
11.568 V **ARTE**	22000
11.568 V **CANAL ALGERIE**	22000
11.568 V **RAI 1**	22000
11.568 V **RTPI**	22000
● 11.568 V **Test**	22000
● 11.568 V **TRT International**	22000
11.568 V **TV5MONDE**	22000
11.568 V **TV7**	22000
11.568 V **TVEi**	22000
11.568 V **DATASYSTEMS TR 24**	22000
11.597 V **BBC World**	22000
11.597 V **Best of shopping**	22000
11.597 V **CNBC Europe**	22000
● 11.597 V **DW-TV**	22000
11.597 V **M6 BOUTIQUE LA CH**	22000
11.597 V **RTM Maroc**	22000
11.597 V **Sky News**	22000
11.597 V **TRT International**	22000
11.597 V **TV5MONDE EUROPE**	22000
11.597 V **Data System**	22000
11.627 V **CNN International**	
11.627 V **CNN Radio**	
11.670 H **Cinemax**	22000
● 11.670 H **Film+**	22000
11.670 H **HirTV**	22000
● 11.670 H **M1**	22000
● 11.670 H **MTV Hungary**	22000
11.670 H **RTL Klub**	22000
● 11.670 H **Spektrum Int**	22000
● 11.670 H **Sport 1 CZE**	22000
11.670 H **Sport Klub**	22000
● 11.670 H **TEST SERVICE**	22000
● 11.670 H **TV2**	22000
11.670 H **TV Budapest**	22000
● 11.670 H **Bartok Radio**	22000
● 11.670 H **Kossuth Radio**	22000
● 11.670 H **Petofi Radio**	22000
● 11.685 V **C. ESTRELLAS**	22000
11.685 V **CNN+**	22000
11.685 V **CNN+**	22000
● 11.685 V **G. HERMANO**	22000
● 11.685 V **PRO TV INT**	22000
11.685 V **TCM CLÁSICO**	22000
11.685 V **ANDALUCÍA TV**	22000
● 11.685 V **CANAL CLUB**	22000
11.685 V **EUSKADI TV**	22000
● 11.685 V **PORTADA**	22000
11.685 V **TM SAT/LAOTRA**	22000
11.685 V **TV GALICIA**	22000
11.685 V **TVC INT.**	22000
● 11.685 V **RAD. ROMANIA**	22000
● 11.685 V **TAQUILLA**	22000
● 12.544 H **kabel eins classics**	22000
● 12.544 H **Sat.1 Comedy**	22000
12.544 H **9Live**	22000
12.544 H **kabel eins**	22000
12.544 H **N24**	22000
12.544 H **ProSieben**	22000
12.544 H **SAT.1**	22000

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Freq Pol **Channel Name** GHz	Symbol rate
● 11.954 H **3sat**	27500
● 11.954 H **KiKa**	27500
● 11.954 H **ZDF**	27500
● 11.954 H **ZDFdokukanal**	27500
● 11.954 H **ZDFinfokanal**	27500
● 11.954 H **ZDFtheaterkanal**	27500
● 11.954 H **DKULTUR**	27500
● 11.954 H **DLF**	27500
● 11.954 H **Dok&Deb**	27500

EUTELSAT W6
21.5 East

EUT0W6WB

Freq Pol **Channel Name** GHz	Symbol rate
● 10.972 V **Service 2**	2532
● 10.978 V **Service 2**	2170
● 11.345 H **ALPHA RADIO**	28780
● 11.345 H **IFA DVB-H services**	28780
● 11.345 H **{Empty}**	28780
● 11.345 H **{Empty}**	28780
11.490 V **Salah Addin**	2170
11.586 V **CFI PECO PRO**	6511
12.637 V **FEED USA**	2532

ASTRA 1D,3A
23.5 East

AST01DKH

Freq Pol **Channel Name** GHz	Symbol rate
10.835 H **ASTRA Infocard**	
10.842 V **Euro1080 HD-1**	13333
10.842 V **BEL59-EXQI**	13333
● 10.842 V **Euro1080 HD2/5**	13333
10.842 V **Euro1080 HD5**	13333
10.842 V **Euro1080 HD5**	13333
10.842 V **Euro1080HD4U**	13333
10.842 V **Euro1080HD4U**	13333
11.475 V **test**	27500
11.513 H **Ch1 BT + KT**	27500
11.513 H **Ch2 BPK**	27500
11.513 H **Ch3 BR**	27500
11.513 H **Ch4 MAZ**	27500
11.513 H **tvtraveller**	27500
11.513 H **SAT1 HH/SH**	27500
11.513 H **SAT1 National**	27500
11.513 H **SAT1 NRW**	27500
11.513 H **SAT1 NS/Bremen**	27500
11.513 H **SAT1 RhlPf/Hessen**	27500
11.513 H **Test BY**	27500
11.513 H **Volksmusik.tv / Auto**	27500
11.513 H **TruckRadio**	27500

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AST03AKU

Freq Pol GHz	Channel Name	Symbol rate
10.758 V	Euro1080 HD1	22000
●10.758 V	EXQI	22000
●10.758 V	Euro1080 HD2/5	22000
10.803 H	Test H.264	22000
10.803 H	ASTRA HD	22000
10.803 H	ASTRA HD	22000
10.803 H	H.264 HD	22000
10.803 H	H.264 HD	22000
10.803 H	FST 3.107	22000
10.803 H	Proxy_10	22000
10.803 H	Proxy_10	22000
10.803 H	TIC	22000
11.555 H	9Live	27500
11.555 H	DSF	27500
11.555 H	HSE24	27500
11.555 H	kabel eins	27500
11.555 H	N24	27500
11.555 H	ProSieben	27500
11.555 H	Sat. 1	27500
11.555 H	Tele 5	27500
11.555 H	EPG Test	27500
●11.675 V	Al Jazeera Int (engl	27500
●11.675 V	CH1 Russia	27500
●11.675 V	EuroNews (itl)	27500
●11.675 V	EuroNews (port)	27500
●11.675 V	EuroNews (russ)	27500
●11.675 V	EuroNews (span)	27500
●11.675 V	Fox Turk	27500
●11.675 V	France 2	27500
●11.675 V	France 3	27500
●11.675 V	France 5	27500
●11.675 V	ITVN	27500
●11.675 V	Kanal 7 Int	27500
●11.675 V	LiG TV	27500
●11.675 V	Rai 1	27500
●11.675 V	Rai 2	27500
●11.675 V	Rai 3	27500
●11.675 V	Show Turk	27500
●11.675 V	Turkmax	27500
11.723 H	ASTRA	22000
11.723 H	ASTRA SD	22000
●12.032 H	H.264 HD	27500
●12.032 H	INT PRG	27500
●12.032 H	INT VID 01	27500
●12.032 H	INT VID 02	27500
●12.032 H	INT VID 03	27500
12.525 V	CS Film / XXX Xtre	27500
12.525 V	CT 1	27500
12.525 V	CT 2	27500
12.525 V	CT SPORT	27500
12.525 V	Galaxie Sport	27500
12.525 V	Prima TV	27500
12.525 V	CT 24	27500
12.525 V	Noe TV	27500
12.525 V	BBC CZ	27500
12.525 V	CRo 1-Radiozurnal	27500
12.525 V	CRo 2+6/CRo 7	27500
12.525 V	CRo 2-Praha	27500
12.525 V	CRo 3-Vltava	27500
12.525 V	CRo 4-Radio Wave	27500
12.525 V	CRo D-dur	27500
12.525 V	CRo Leonardo	27500
12.525 V	CRo Radio Cesko	27500
12.525 V	CRo Region	27500
12.525 V	Proglas	27500
●12.636 V	K-TV	2277
12.641 H	L1 TV	2220
●12.641 H	L1 TV	2220
12.672 V	RTL Hessen	13016
●12.672 V	RTL MCR (ENEX 8	13016
12.672 V	RTL MCR (ENEX 8	13016
12.672 V	RTL NDS	13016
12.672 V	RTL OFFROAD D220	13016
12.672 V	RTL SH	13016
12.685 H	APS.TV 1	27500
12.685 H	CHANNEL ONE RUSSI	27500
12.685 H	DETSKII MIR-P	27500
12.685 H	NASHE KINO-P	27500
12.685 H	RAI 1-P	27500
12.685 H	RAI 2-P	27500
12.685 H	RAI 3-P	27500
12.685 H	RTR-PLANETA-P	27500
12.685 H	RTVI-P	27500
12.685 H	VIDEO ITALIA-P	27500

Freq Pol GHz	Channel Name	Symbol rate
●11.915 H	RNN7	27500
●11.915 H	L1MBURG	27500
●11.915 H	Omroep Brabant Telev	27500
●11.915 H	Omroep Zeeland Telev	27500
●11.915 H	Omrop Fryslan Televi	27500
●11.915 H	TV Drenthe	27500
●11.915 H	TV Gelderland	27500
●11.915 H	TV Noord	27500
●11.915 H	TV Noord-Holland	27500
●11.915 H	TV Oost	27500
●11.915 H	TV Rijnmond	27500
●11.915 H	L1MBURG Radio	27500
●11.915 H	Omroep Brabant Radio	27500
●11.915 H	Omroep Zeeland Radio	27500
●11.915 H	Omrop Fryslan Radio	27500
●11.915 H	Radio Drenthe	27500
●11.915 H	Radio Gelderland	27500
●11.915 H	Radio Noord	27500
●11.915 H	Radio Noord-Holland	27500
●11.915 H	Radio Oost	27500
●11.915 H	Radio Rijnmond	27500
●11.990 H	Nova HD test	27500
●11.990 H	FILMBOX	27500
●11.990 H	HBO	27500
●11.990 H	NONSTOPKINO	27500
●11.990 H	Nova	27500
●11.990 H	Test1	27500
●11.990 H	CS Link TV	27500
●11.990 H	Public TV	27500
●12.565 H	Markiza	27500
●12.565 H	STV1	27500
●12.565 H	STV2	27500
●12.565 H	TA3	27500
●12.565 H	TV JOJ	27500
●12.565 H	SM 1	27500
●12.565 H	SM 2	27500
●12.565 H	SM-CS	27500
●12.565 H	Devin	27500
●12.565 H	EXPRES 7	27500
●12.565 H	FUN-R.	27500
●12.565 H	Lumen	27500
●12.565 H	OKEY	27500
●12.565 H	PatriaBA-BB	27500
●12.565 H	PatriaKE-BBNEV	27500
●12.565 H	Radio - 7	27500
●12.565 H	Radio EXPRES	27500
●12.565 H	Radio Hey	27500
●12.565 H	Radio_FM	27500
●12.565 H	ReginaBA	27500
●12.565 H	ReginaBB	27500
●12.565 H	ReginaKE	27500
●12.565 H	Slovensko	27500
●12.565 H	VIVA	27500
●12.725 V	24cz	27500
●12.725 V	Al Aqariya Real Esta	27500
●12.725 V	Balkanmedia TV	27500
●12.725 V	BVN	27500
●12.725 V	CaspioNet	27500
●12.725 V	EuroNews (engl)	27500
●12.725 V	EuroNews (franz)	27500
●12.725 V	First Musical Channe	27500
●12.725 V	Iran Music	27500
●12.725 V	LTV2	27500
●12.725 V	Tunis 7	27500
●12.725 V	TV Record	27500
●12.725 V	tvCanaria	27500

BADR-2,3,4/EUROBIRD 2
26.0 East

BADR03KB

Freq Pol GHz	Channel Name	Symbol rate
11.746 V	A Thuraya	27500
●11.746 V	Al Jawhara TV	27500
●11.746 V	Alkawthar	27500
●11.746 V	Arabsat coming soon	27500
11.746 V	ASNshop	27500
11.746 V	Eriterea	27500
11.746 V	Libya	27500
11.746 V	Oman	27500
11.746 V	Saudi 1	27500
11.746 V	Saudi 2	27500
●11.746 V	Test	27500
11.746 V	Test	27500
11.746 V	TV5	27500
11.746 V	ERITERIA A	27500
11.746 V	ERITERIA T	27500
11.746 V	kuwait R1	27500
11.746 V	Kuwait R2	27500
11.746 V	OMAN ENGLISH PROG	27500
11.746 V	OMAN GENERAL PROG	27500
11.746 V	OMAN YOUTH PROGRA	27500
11.746 V	Radio RMC	27500
11.746 V	RFI Radio	27500
11.746 V	Saudi 2 R1	27500
11.746 V	Saudi1 R1	27500
11.746 V	Saudi1 R2	27500
11.746 V	SUDAN R1	27500
11.746 V	SUDAN R2	27500
11.766 H	Al Zawra	27500
11.785 V	A1 Shop	27500
11.785 V	A1 Shop	27500
11.785 V	Al Manar	27500
11.785 V	EL Emarah	27500
11.785 V	Escape TV	27500
11.785 V	Escape TV	27500
11.785 V	FashionTV Arabia	27500
11.785 V	Future	27500
11.785 V	Future USA	27500
11.785 V	Ghinwa	27500
11.785 V	Ghinwa	27500
11.785 V	Jaras TV	27500
11.785 V	konouz-TV	27500
11.785 V	LBC	27500
11.785 V	NBN	27500
11.785 V	Sahm TV	27500
11.785 V	Star	27500
11.785 V	Strike	27500
11.785 V	Strike	27500
11.785 V	Tele Liban	27500
11.785 V	test	27500
11.785 V	Test	27500
11.785 V	Test	27500
11.785 V	Test	27500
11.785 V	Thane Express	27500
11.785 V	Al Nour Radio	27500
11.785 V	Orient Radio	27500
●11.843 H	Rotana Zaman	27500
11.843 H	Al-Resala	27500
11.843 H	Arabsat Promotion Ch	27500
●11.843 H	Info.Mohammed	27500
11.843 H	Rotana Cinema	27500
11.843 H	Rotana Clip	27500
11.843 H	Rotana Khalijiah	27500
11.843 H	Rotana Music	27500
11.843 H	Rotana Tarab	27500
●11.843 H	SABA TV	27500
11.843 H	Arab Classical Music	27500
11.843 H	Holy Quran Channel	27500
11.843 H	News Channel	27500
11.843 H	Radio Bahrain	27500
11.843 H	Sudan R1	27500
11.843 H	Sudan R2	27500
11.843 H	Test 1	27500
11.843 H	Traditional Music Pr	27500
●11.862 V	A lpha Shop	27500
●11.862 V	AL JAZEERA CHILDR	27500
11.862 V	Al Wasta	27500
11.862 V	BBCW	27500
●11.862 V	Dardasha	27500
11.862 V	Koora	27500
●11.862 V	MARAYA TV	27500
11.862 V	Oman TV2	27500
11.862 V	QAMAR TV	27500
●11.862 V	Test 1	27500
●11.862 V	Test 2	27500
●11.862 V	Test 3	27500
11.862 V	Zawag	27500
11.862 V	ALKAWTHAR Radio	27500
11.862 V	BBC Arabic Radio	27500
11.862 V	BBC English Radio	27500
11.862 V	Emirate FM	27500
11.862 V	Oman Quraan Karim	27500
11.862 V	Sharjah Radio	27500
●12.015 V	Al-EKhbaria	27500
●12.015 V	Saudi Sport	27500
●12.015 V	Saudi TV	27500
●12.015 V	Saudi-1	27500
●12.015 V	Saudi-2	27500
12.015 V	test	27500
●12.015 V	European	27500
●12.015 V	Holy Quran	27500
●12.015 V	Radio-5	27500
●12.015 V	Saudi Radio-1	27500
●12.015 V	Saudi Radio-2	27500

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Freq Pol GHz	Channel Name	Symbol rate
11.725 H	AL-Ga'eza TV	27500
11.725 H	Algeria	27500
●11.725 H	Eriteria	27500
11.725 H	Ethiopia	27500
11.725 H	Hannibal	27500
11.725 H	Libya Sport (Riadia)	27500
11.725 H	Libya TV	27500
11.725 H	Mauritania	27500
11.725 H	Morroco TV	27500
11.725 H	Tunis	27500
11.725 H	Algeria R1	27500
11.725 H	Algeria R2	27500
11.725 H	Eritera R1	27500
11.725 H	Eriteria R2	27500
11.725 H	Ethiopia R1	27500
11.725 H	Mauritania R1	27500
11.725 H	Morroco R1	27500
11.725 H	Morroco R2	27500
11.725 H	R- Tunisie- Culture	27500
11.725 H	R- Tunisie- Internat	27500
11.725 H	R- Tunisie- National	27500
11.803 H	ABU DHABI-A	27500
11.803 H	ABU DHABI-E	27500
11.803 H	AD Sports	27500
11.803 H	AL Emarat	27500
●11.803 H	Poet	27500
●11.803 H	SHARJAH TV	27500
●11.803 H	SHARJAH TV2	27500
●11.803 H	Test 1	27500
●11.803 H	Test 2	27500
●11.803 H	Test 3	27500
11.803 H	TEST-5	27500
11.803 H	TEST-6	27500
11.803 H	ABU DHABI RADIO	27500
11.803 H	AD RADIO 1	27500
11.803 H	ALAIN Athaan	27500
11.803 H	ALATHAN Radio	27500
11.803 H	EMARAT FM	27500
11.803 H	LIWA Athaan	27500
11.803 H	QURAAN QARIM	27500
●11.803 H	SHARJAH Radio	27500
11.803 H	SOWT ALMUSICA	27500
●11.803 H	Test	27500
11.823 V	AlManar	27500
11.823 V	Future News	27500
11.823 V	Future TV	27500
●11.823 V	LBCI	27500
11.823 V	NBN	27500
11.823 V	OTV	27500
11.823 V	Star Academy	27500
11.823 V	TeleLiban	27500
11.823 V	Thane Express	27500
11.823 V	TSN	27500
11.823 V	Radio El Nour	27500
11.823 V	Radio Orient	27500
11.919 H	MBC Int	27500
11.919 H	AL-Arabiya	27500
11.919 H	ChatCom	27500
11.919 H	MBC Action	27500
11.919 H	MBC1	27500
11.919 H	MBC2	27500
11.919 H	MBC3	27500
11.919 H	MBC4	27500
11.919 H	TXT TV	27500
11.919 H	Jeddah FM	27500
11.919 H	MBC FM	27500
11.919 H	MBC FM ER	27500
11.919 H	Panjordon	27500
11.919 H	Panorama	27500
11.919 H	Riyadh FM	27500
11.938 V	AL Afaf	27500
●11.938 V	Al Hurra	27500
11.938 V	Al Hurra Iraq	27500
11.938 V	AlQassim	27500
11.938 V	Alwseet	27500
11.938 V	Beeaty	27500
●11.938 V	DardaChat	27500
●11.938 V	Ditve2	27500
●11.938 V	Ditve3	27500
11.938 V	FANOOS	27500
●11.938 V	Hamsa	27500
11.938 V	Jordan Tv	27500
11.938 V	Mersal	27500
11.938 V	Morocco TV	27500
11.938 V	Morocco TV	27500
●11.938 V	Rabet alkher	27500
●11.938 V	Rozana	27500
11.938 V	SuperTech	27500
11.938 V	U Mark	27500
●11.938 V	Yalla SMS	27500
11.938 V	Yemen TV	27500
11.938 V	Morocco R1	27500
11.938 V	Radio Farda	27500
11.938 V	Radio Iraq North and	27500
11.938 V	Radio Sawa Iraq	27500
11.938 V	Radio Sawa Levent	27500
11.938 V	Radio Sawa Sudan	27500
11.938 V	Yemen R1	27500
11.938 V	Yemen R2	27500
●11.958 H	LUXE TV HD	27500
11.958 H	LUXE.TV HD	27500
11.958 H	LUXE.TV HD	27500
●11.958 H	HD VISIO TV	27500
11.958 H	HD VISIO TV	27500
11.958 H	LUXE TV	27500
11.958 H	Nessma TV	27500
●11.958 H	TEST	27500
11.996 H	Al Jazzera	27500
11.996 H	AlAlam	27500
11.996 H	AlMustakillah	27500
11.996 H	Arabsat Promotion Ch	27500
●11.996 H	BBC Arabic	27500
11.996 H	CNBC Arabiya	27500
11.996 H	Family TV	27500
11.996 H	France 24 (in Arabic	27500
11.996 H	Nessma TV	27500
11.996 H	Rusiya Al-Yaum	27500
11.996 H	TEST	27500
11.996 H	Test 2	27500
11.996 H	AlAlam R1	27500
11.996 H	AlAlam R2	27500
11.996 H	CNBC Arabiya R1	27500
11.996 H	WRN (Sawt AlAlam)	27500
12.032 H	Alkass	27500
12.032 H	JSC	27500
12.032 H	JSC Children	27500
12.032 H	JSC Documentary	27500
12.032 H	JSC English	27500
12.032 H	JSC Mubasher	27500
12.032 H	JSC Sports	27500
12.032 H	Qatar TV 1	27500
12.032 H	Test	27500
12.032 H	Test	27500
12.032 H	Qatar Radio	27500
12.032 H	Sout Al Khaleej	27500
12.050 V	Addounia TV	27500
12.050 V	Al Naser Club	27500
12.050 V	AlAqsa	27500
12.050 V	AlRai	27500
●12.050 V	Awtan	27500
12.050 V	Cham	27500
12.050 V	Jordan TV	27500
12.050 V	KBS W	27500
12.050 V	Press TV	27500
12.050 V	SAHARA TV	27500
12.050 V	Syria TV	27500
●12.050 V	AlAqsa Voice	27500
12.050 V	Jordan Fann	27500
12.050 V	Jordan Radio	27500
12.050 V	Syria R1	27500
12.050 V	Syria R2	27500
12.050 V	Syria R3	27500
12.072 H	4Fun TV	27500
12.072 H	Aalam Hawaa	27500
12.072 H	Al Baghdadia	27500
12.072 H	Al Diyar	27500
12.072 H	ANN TV	27500
12.072 H	Arabsat Promotion Ch	27500
●12.072 H	Arosty	27500
●12.072 H	BBC World Middle E	27500
12.072 H	Escape TV	27500
●12.072 H	Funoon TV	27500
12.072 H	Luxe TV	27500
12.072 H	Zafaf	27500
12.111 H	Ahlulbayt	27500
12.111 H	AL AQARIYA	27500
12.111 H	Al Aqariya 2	27500
12.111 H	Al Eqtisadia TV	27500
12.111 H	ALAAN TV	27500
12.111 H	ANN	27500
12.111 H	ARIRANG	27500
●12.111 H	ASHOROOQ TV	27500
●12.111 H	DM TV	27500
12.111 H	INFINITY 2	27500
12.111 H	SELEVISION TV	27500
12.111 H	SHARAQIYA	27500
12.130 V	4Fun	27500
●12.130 V	Al mirbad	27500
●12.130 V	Al motahdth	27500
12.130 V	AlHaqiqah	27500
12.130 V	Dardasha	27500
12.130 V	Dubai One	27500
12.130 V	Dubai sport	27500
12.130 V	Dubai TV	27500
12.130 V	Iqraa	27500
12.130 V	Nilat TV	27500
12.130 V	Sama Dubai	27500
12.149 H	Al Hurra	27500
12.149 H	Al Hurra Iraq	27500
12.149 H	ALAfaf	27500
12.149 H	AlQassim	27500
12.149 H	alwaseet	27500
●12.149 H	Arosty	27500
12.149 H	Beeaty TV	27500
12.149 H	DJ music	27500
12.149 H	FANOOS	27500
12.149 H	Mersal	27500
●12.149 H	Test-10	27500
●12.149 H	Test-3	27500
●12.149 H	Test-4	27500
●12.149 H	Test-5	27500
●12.149 H	Test-6	27500
●12.149 H	Test-7	27500
●12.149 H	Test-8	27500
●12.149 H	Test-9	27500
12.149 H	U Mark	27500
●12.149 H	Wtanya	27500
12.149 H	Yemen TV	27500
12.149 H	Iraq North And South	27500
12.149 H	Radio Farada	27500
12.149 H	Radio Sawa Iraq	27500
12.149 H	Radio Sawa Levant	27500
12.149 H	Radio Sawa Sudan	27500
12.149 H	Yemen R1	27500
12.149 H	Yemen R2	27500
12.166 V	AGHANI TV	27500
12.166 V	DUBAI Award for Qu	27500
●12.166 V	DUBAI HOLY QURAN	27500
12.166 V	Ghiras TV	27500
●12.166 V	Ghiras TV	27500
●12.166 V	CELRUN OTA	27500
12.205 V	Aalam Hawaa	27500
●12.205 V	Aalam Hawaa	27500
12.205 V	Al Fajir	27500
●12.205 V	Al Iraqia	27500
12.205 V	Al Iraqia	27500
●12.205 V	Al Majd	27500
12.205 V	Al Majd Quran	27500
12.205 V	Al-Iraqia	27500
12.205 V	Al-Majid	27500
12.205 V	Al-Majid Quran	27500
12.205 V	Al-Majid TV	27500
12.205 V	AlHekmah	27500
●12.205 V	almajd quran	27500
12.205 V	DJbouti	27500
●12.205 V	Djbouti	27500
12.205 V	DJibouti	27500
12.205 V	Osool	27500
●12.205 V	PEACE TV	27500
12.205 V	Peace TV	27500
●12.205 V	PSC	27500
12.205 V	PSC	27500
12.205 V	PSC	27500
12.205 V	Qatar TV	27500
12.205 V	Qatar TV	27500
●12.205 V	Qatar TV	27500
12.205 V	Sudan TV	27500
●12.205 V	Sudan TV	27500
12.205 V	SUDAN TV	27500
12.205 V	Test	27500
12.205 V	Yemen TV	27500
●12.205 V	Yemen TV	27500
12.205 V	Zafaf	27500
●12.205 V	Zafaf	27500
12.205 V	Al Iraqia R1	27500
12.205 V	Al Iraqia R1	27500
12.205 V	Al Iraqia R2	27500
12.205 V	Al Iraqia R2	27500
●12.205 V	AL-Iraqia Quran	27500
12.205 V	PSC Radio	27500
12.205 V	PSC Radio	27500
●12.205 V	PSC Radio	27500
12.205 V	Qatar Radio	27500
12.205 V	Qatar radio	27500
●12.205 V	Qatar Radio	27500
●12.205 V	Radio Baghdad	27500
12.205 V	Sudan R1	27500
●12.205 V	Sudan R1	27500
12.205 V	Sudan R1	27500
12.205 V	Sudan R1	27500
12.205 V	Sudan R2	27500
●12.205 V	Sudan R2	27500
12.205 V	Sudan R2	27500
12.225 H	Bahrain 55	27500
12.225 H	Bahrain Sport	27500
12.225 H	Bahrain TV	27500
12.225 H	Test	27500
12.225 H	Test 1	27500
12.225 H	Test 2	27500
12.225 H	Test 3	27500
12.225 H	Test 4	27500
12.225 H	Test 5	27500
12.225 H	Test 6	27500
12.225 H	Test 7	27500
12.225 H	Arab Classical Music	27500
12.225 H	Bahrain FM	27500
12.225 H	Bahrain Radio genera	27500
12.225 H	Holy Quran Channel	27500
12.225 H	News Channel	27500
12.225 H	Radio Bahrain	27500
12.225 H	Test 1	27500
12.225 H	Traditional Music	27500
12.523 H	ETHRAA	27500
12.523 H	KTV CH1	27500
12.523 H	KTV.H.Quran	27500
12.523 H	KUWAIT CH2	27500
12.523 H	KUWAIT FEED	27500
12.523 H	SPORT PLUS	27500
12.523 H	YOUTH SPORT	27500
12.563 H	DATA	27500

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Freq Pol GHz	Channel Name	Symbol rate
10.971 H	Alkass	27500
10.971 H	JSC	27500
10.971 H	JSC Children	27500
10.971 H	JSC Documentary	27500
10.971 H	JSC International	27500
10.971 H	JSC Mubasher	27500
10.971 H	JSC Sports	27500
10.971 H	Qatar TV 1	27500
10.971 H	Test	27500
10.971 H	Test	27500
10.971 H	Qatar Radio	27500
10.971 H	Sout Al Khaleej	27500
●11.014 H	BLOOMBERG	27500
●11.014 H	CARTOON NETWORK	27500
●11.014 H	CINEMA CITY	27500
●11.014 H	FASHION TV	27500
●11.014 H	MGM	27500
●11.014 H	SPACE TOON	27500
●11.014 H	SUPER MOVIES	27500
●11.014 H	SUPER MOVIES+1	27500
●11.014 H	TCM	27500
●11.014 H	TVMAX	27500
●11.014 H	TVMAX	27500
●11.014 H	TVMAX	27500
●11.014 H	TVMAX	27500
11.014 H	Algaeza	27500
11.014 H	AlHekmah TV	27500
11.014 H	Alhur	27500
●11.014 H	Dardachat	27500
11.014 H	KTV CH1	27500
11.014 H	KUWAIT CH2	27500
11.014 H	KUWAIT TV	27500
11.014 H	Shababiyah	27500
11.014 H	Siraj Alaqsa TV	27500
11.014 H	SPORT PLUS	27500
●11.014 H	TVMAX PROMO	27500
11.014 H	YOUTH & SPORT	27500
11.014 H	Kuwait R1	27500
11.014 H	Kuwait R2	27500
●11.014 H	SDSJ5	27500
11.054 H	AL RIYADIYAH	27500
11.054 H	AMERICA PLUS	27500
11.054 H	BOOMERANG	27500
11.054 H	CNBC-US	27500
11.054 H	JSC+1	27500
11.054 H	JSC+2	27500
11.054 H	NBA TV	27500
11.054 H	ORBIT ESPN	27500
11.054 H	ORBIT NEWS	27500
11.054 H	SUPER COMEDY	27500
11.054 H	MARHABA	27500
11.054 H	BBC ARABIC	27500
11.054 H	BBC ENGLISH	27500
11.054 H	CLASSICAL	27500
11.054 H	COUNTRY OF BLUES	27500
11.054 H	DANCE	27500
11.054 H	GMA DZBB	27500
11.054 H	HITS	27500
11.054 H	JAZZ	27500
11.054 H	KHALIJYA'T	27500
11.054 H	LITE FM	27500
11.054 H	LOVE SONGS	27500
11.054 H	MONAWA'T	27500
11.054 H	MONTE CARLO	27500
11.054 H	MOTOWN	27500
11.054 H	POP	27500
11.054 H	R&B	27500
11.054 H	ROCK	27500
11.054 H	SUPER GOLD	27500
11.054 H	TARABIYA'T	27500
11.054 H	VIRGIN RADIO	27500
11.054 H	EPG	27500
11.054 H	RADIO MOSAIC	27500
11.054 H	SDSJ1	27500
●11.075 V	Al Bawadi	27500
11.075 V	Al Bawadi	27500
11.075 V	Al Hekmah	27500
●11.075 V	Al Khalij	27500
11.075 V	Al Madina	27500
●11.075 V	Al Madina	27500
11.075 V	Al Omma	27500
11.075 V	AlFajr	27500
●11.075 V	Aviation	27500
11.075 V	Aviation	27500
11.075 V	Bahry	27500
11.075 V	Ch 4 Teen	27500
●11.075 V	Ch 4 Teen	27500
11.075 V	Osool	27500
●11.075 V	Rawasy TV	27500
●11.075 V	Scope TV	27500
11.075 V	Taiba	27500
11.075 V	TIS	27500
●11.075 V	Watani	27500
●11.075 V	Al Madina	27500
11.127 V	Orbit feeds (ORBI	3300
11.165 V	ORBITLEB	4996
11.176 H	BLOOMBERG	27500
11.176 H	CARTOON NETWORK	27500
11.176 H	FASHION TV	27500
11.176 H	GMA Pinoy TV	27500
11.176 H	MGM	27500
11.176 H	NBN PINOY NEWS	27500
11.176 H	PBO	27500
11.176 H	SPACE TOON	27500
11.176 H	TCM	27500
11.176 H	TVMAX	27500
11.176 H	TVMAX	27500
11.176 H	TVMAX	27500
11.176 H	TVMAX	27500
11.176 H	Dardachat	27500
11.176 H	TVMAX PROMO	27500
11.176 H	GMA DZBB	27500
11.176 H	SDSJ5	27500
●11.585 V	Discovery Middle Eas	27500
●11.585 V	Discovery Travel & L	27500
●11.585 V	A Tv	27500
11.585 V	Al Falestinyah	27500
11.585 V	Al Huda	27500
●11.585 V	Al Sumaria	27500
11.585 V	Al-Ghinaiyah	27500
11.585 V	Al-Majd 3	27500
11.585 V	ART Vision	27500
11.585 V	ATC	27500
●11.585 V	Atlas Tv	27500
11.585 V	Bahrain 55	27500
11.585 V	Bahrain Sports	27500
11.585 V	Bahrain TV	27500
●11.585 V	Dardachat	27500
11.585 V	DM TV	27500
11.585 V	dm tv	27500
11.585 V	Escape Music	27500
11.585 V	HUDA	27500
●11.585 V	New TV	27500
11.585 V	New TV	27500
11.585 V	New TV	27500
11.585 V	Noorsat Promo	27500
●11.585 V	Sahar Tv	27500
11.585 V	TIS	27500
11.585 V	TIS	27500
11.585 V	ZAOL TV	27500
11.585 V	Zawjeti	27500
11.585 V	Polskie Radio	27500
11.585 V	Polskie Radio	27500
11.604 H	ANIMAL PLANET	27500
11.604 H	BBC PRIME	27500
11.604 H	DISCOVERY CHANNEL	27500
11.604 H	DISCOVERY SCIENCE	27500
11.604 H	DISCOVERY T&L	27500
●11.604 H	DISNEY CHANNEL	27500
11.604 H	EURONEWS	27500
11.604 H	FANN	27500
11.604 H	MUSIC NOW	27500
11.604 H	PLAYHOUSE DISNEY	27500
11.604 H	STC	27500
11.604 H	TEST1	27500
11.604 H	TEST2	27500
11.604 H	TEST3	27500
11.604 H	TOON DISNEY	27500
11.604 H	TRACE	27500
11.604 H	CNNI	27500
11.604 H	MARHABA	27500
11.604 H	SDSJ2	27500
11.604 H	SDSJ2	27500
11.642 H	MBC USA	27500
11.642 H	AL Arabiya	27500
11.642 H	ChatCom	27500
11.642 H	MBC 1	27500
11.642 H	MBC 2	27500
11.642 H	MBC 3	27500
11.642 H	MBC 4	27500
11.642 H	TXT	27500
11.642 H	Jeddah MBC FM	27500
11.642 H	MBC FM	27500
11.642 H	MBC FM ER	27500
11.642 H	PanJordan	27500
11.642 H	Panorama	27500
11.642 H	Radio Test	27500
11.642 H	Riyadh MBC FM	27500
●11.661 V	Afkar wa Mawaheb	27500
●11.661 V	Afrah	27500
●11.661 V	Afrah wa Tahani	27500
11.661 V	Al Alam	27500
11.661 V	Al Hurra	27500
11.661 V	Al Hurra Iraq	27500
11.661 V	Al Rai	27500
11.661 V	Al-Thuraya	27500
11.661 V	Beeaty	27500
11.661 V	CNBC Arabia	27500
11.661 V	Dubai TV	27500
11.661 V	EDTV Sport	27500
11.661 V	ETV	27500
●11.661 V	Fashion TV arabia	27500
●11.661 V	H G Business	27500
●11.661 V	Imtiaz	27500
●11.661 V	Industry	27500
●11.661 V	JARAS TV	27500
●11.661 V	Karbala	27500
11.661 V	KBS World	27500
●11.661 V	MECCA	27500
11.661 V	Mersal	27500
11.661 V	ONE TV	27500
11.661 V	Sama Dubai	27500
●11.661 V	STOCK TV	27500
11.661 V	TSN	27500
11.661 V	Al Alam R1	27500
11.661 V	Al Alam R2	27500
11.661 V	CNBC Radio	27500
11.661 V	WRN Sawt Al Alam	27500
11.678 H	AL SAFWA	27500
11.678 H	AL YAWM	27500
11.678 H	CINEMA 1	27500
11.678 H	CINEMA 2	27500
11.678 H	CINEMA CITY	27500
11.678 H	FANN	27500
11.678 H	FUN CHANNEL	27500
11.678 H	GMA Pinoy TV	27500
11.678 H	HISTORY CHANNEL	27500
11.678 H	HOLLYWOOD	27500
11.678 H	NBN PINOY NEWS	27500
11.678 H	PBO	27500
11.678 H	SERIES	27500
11.678 H	SERIES+4	27500
11.678 H	SUPER MOVIES	27500
11.678 H	SUPER MOVIES+1	27500
11.678 H	SDSJ3	27500
12.519 V	Al Majd Quraan	27500
12.519 V	Al Wasta	27500
12.519 V	Al-Fajr	27500
12.519 V	AL-MIRBAD TV	27500
12.519 V	ALHAKEKA	27500
12.519 V	Alwaseet	27500
12.519 V	DJ Music	27500
12.519 V	Ethiopia	27500
12.519 V	Family TV	27500
12.519 V	Osool TV	27500
12.519 V	Palestine	27500
12.519 V	Qatar TV	27500
12.519 V	SEHATK TV	27500
12.519 V	Sham TV	27500
12.519 V	Stock TV	27500
12.519 V	Ethiopia R1	27500
12.519 V	Palestine R1	27500
12.519 V	Qatar Radio	27500
12.519 V	Radio Fann Jor	27500
12.596 V	Ahlulbayt	27500
12.596 V	AL Aan	27500
12.596 V	AL AQARIYA	27500
12.596 V	Al Aqariya 2	27500
12.596 V	Al Eqtisadia TV	27500
12.596 V	ANN	27500
12.596 V	ARIRANG	27500
12.596 V	INFINITY	27500
12.596 V	MUASHIRAT	27500
12.596 V	SELEVISION TV	27500
12.596 V	SHARQIYA	27500
12.596 V	ASM DATA	27500

C-Band: BADR-C
26.1 East

BADR0CCH

Freq Pol GHz	Channel Name	Symbol rate
● 3.745 H	Yemen TV	3340
3.745 H	Yemen TV	3340
3.836 H	CNN International	
3.836 H	CNN Radio	
● 3.882 H	Al Jawhara	27500
● 3.882 H	Arabsat Coming Soon	27500
● 3.882 H	Escape	27500
● 3.882 H	Family TV	27500
● 3.882 H	Ghinwa	27500
● 3.882 H	MBC1	27500
● 3.882 H	Press TV	27500
● 3.882 H	Qamar	27500
● 3.882 H	Test	27500
● 3.882 H	Thane TV	27500
● 3.882 H	Thuraya TV	27500
● 3.882 H	TSN	27500
3.916 H	Saudi Arabian TV 1	
3.916 H	Al-Quran Al-Karim	
3.916 H	Program One	
3.956 H	Saudi Arabian TV 2	
3.956 H	Second Program	
3.996 H	Aljazeera Internatio	
● 4.040 H	Al-Ekhbaria	27500
● 4.040 H	Dubai Sport	27500
● 4.040 H	Dubai TV	27500
● 4.040 H	Ethiopia	27500
● 4.040 H	IQRA	27500
● 4.040 H	JCS	27500
● 4.040 H	JCS Sports 1	27500
● 4.040 H	Riyadiyah	27500
● 4.040 H	Saudi-1	27500
● 4.040 H	Saudi-2	27500
● 4.040 H	Ethiopia R1	27500
4.076 H	Al Jazeera	
4.076 H	Qatar Radio	
4.076 H	Sout Al-Khaleej 100.	
● 4.120 H	Abu Dhabi	27500
● 4.120 H	Al Jazzera Mubasher	27500
● 4.120 H	AL MONOWA	27500
● 4.120 H	Future TV	27500
● 4.120 H	Lybia	27500
● 4.120 H	Melody Arabia	27500
● 4.120 H	Oman TV	27500
● 4.120 H	One TV	27500
● 4.120 H	Sudan	27500
● 4.120 H	Radio Orient	27500

BADR0CCV

Freq Pol GHz	Channel Name	Symbol rate
3.845 V	Radio Orient	
3.964 V	Alhurra	
4.005 V	Dubai Arabic AM	
4.005 V	Dubai FM 92.0	
4.045 V	MBC FM	
4.124 V	YEMEM TV	

ASTRA 2A-B-D
28.2 East

AST02ANO

Freq Pol GHz	Channel Name	Symbol rate
●11.758 H	1389	27500
●11.758 H	1488	27500
●11.758 H	1381	27500
●11.758 H	1382	27500
●11.758 H	1383	27500
●11.758 H	1384	27500
●11.758 H	1385	27500
●11.758 H	1386	27500
●11.758 H	1387	27500
●11.758 H	1388	27500
●11.758 H	1481	27500
●11.758 H	1482	27500
●11.758 H	1483	27500
●11.758 H	1484	27500
●11.758 H	1485	27500
●11.758 H	1486	27500
●11.758 H	1487	27500
●11.758 H	1489	27500
●11.836 H	Sky Comedy	27500
●11.836 H	Sky Action	27500
●11.836 H	Sky Classics	27500
●11.836 H	Sky Drama	27500
●11.836 H	Sky Family	27500
●11.836 H	Sky Indie	27500
●11.836 H	Sky ScFi/Horror	27500
●11.856 V	TV5	27500
●11.914 H	SCI FI +1	27500
●11.914 H	Sky Sports 1	27500
●11.914 H	Sky Sports 3	27500
●11.914 H	Sky Spts News	27500
●11.914 H	Sky Spts Xtra	27500
●11.914 H	DCS5	27500
●11.934 V	BLs	27500
●11.934 V	Sky Cust Ch	27500
●11.934 V	Sky Cust Ch	27500
●11.934 V	Sky Cust Ch	27500
●11.934 V	DCS6	27500
●11.954 H	BBC PARL'MNT	27500
●11.954 H	T4 STRM-0	27500
●11.954 H	T4 STRM-1	27500
●11.954 H	1Xtra BBC	27500
●11.954 H	BBC London	27500
●11.954 H	BBC 6 Music	27500
●11.954 H	BBC 7	27500
●11.954 H	BBC Asian N.	27500
●11.954 H	BBC R Cymru	27500
●11.954 H	BBC R n Gael	27500
●11.954 H	BBC R Scot.	27500
●11.954 H	BBC R Ulster	27500
●11.954 H	BBC R Wales	27500
●11.954 H	BBC R1	27500
●11.954 H	BBC R2	27500
●11.954 H	BBC R3	27500
●11.954 H	BBC R4 FM	27500
●11.954 H	BBC R4 LW	27500
●11.954 H	BBC WS	27500
●11.954 H	ETV3	27500
●12.148 H	Eurosport2 UK	27500
●12.148 H	Hallmark	27500
12.148 H	ParaComedy 2	27500
●12.148 H	S1Test	27500
●12.148 H	SCI FI	27500
●12.148 H	Sky Sports 1	27500
●12.148 H	Sky Spts News	27500
●12.148 H	Sky Spts News	27500
●12.148 H	Sky Spts Xtra	27500
●12.148 H	Sky Spts Xtra	27500
●12.148 H	SP News	27500
●12.148 H	SP Xtra	27500
●12.168 V	C4L Test 1	27500
●12.168 V	Channel 4	27500
●12.168 V	Channel 4	27500
●12.168 V	Channel 4	27500
●12.168 V	Channel 4	27500
●12.168 V	Channel 4	27500
●12.168 V	Channel 4	27500
●12.168 V	Channel 4	27500
●12.226 H	1837	27500
●12.226 H	1840	27500
●12.226 H	1871 - OSM Test	27500
●12.226 H	KISS	27500
●12.226 H	Q	27500
●12.226 H	Sky One	27500
●12.226 H	Sky Three	27500
●12.226 H	Sky Two	27500
●12.226 H	The Box	27500
●12.226 H	CommunityChnl	27500
●12.246 V	Sky Bet, Vegas & Sky	27500
●12.246 V	Vegas Elvis	27500
●12.246 V	Rainbow Riches OS	27500
●12.246 V	Remote Control Look	27500
●12.246 V	Vegas Brand Test	27500
●12.246 V	Vegas Chamber of Gol	27500
●12.246 V	Vegas Cleopatra	27500
●12.246 V	Vegas Diamond Compas	27500
●12.246 V	Vegas DOND	27500
●12.246 V	Vegas Game 1	27500
●12.246 V	Vegas Game 3	27500
●12.246 V	Vegas game 4	27500
●12.246 V	Vegas Game 5	27500
●12.246 V	Vegas Game 6	27500
●12.246 V	Vegas Game 7	27500
●12.246 V	Vegas Game 9	27500
●12.246 V	Vegas Golden Doubloo	27500
●12.246 V	Vegas HiLo Game	27500
●12.246 V	Vegas House of Horro	27500
●12.246 V	Vegas Kung Fu Cash	27500
●12.246 V	Vegas Monopoly	27500
●12.246 V	Vegas Pyramid	27500
●12.246 V	Vegas Rainbow Riches	27500
●12.246 V	Vegas Roulette II	27500
●12.246 V	Vegas Test Slot 1	27500
●12.246 V	Vegas Wanted DOA	27500
●12.246 V	Vegas Wanted DOA G	27500
●12.246 V	WAP Browser 1	27500
●12.246 V	WAP Browser 2	27500
●12.246 V	WAP Browser 4	27500
●12.246 V	Wap Casino One	27500
●12.246 V	Wonder Perks	27500
●12.246 V	Vegas 3 Card poker	27500
●12.246 V	Vegas Blackjack	27500
●12.246 V	Vegas Caribbean Stud	27500
●12.246 V	Vegas Video Poker	27500
●12.422 H	3020	27500
●12.422 H	7505	27500
●12.422 H	7521	27500
●12.422 H	Five	27500
●12.422 H	Five Life	27500
●12.422 H	Five Life +1	27500
●12.422 H	Five US	27500
●12.422 H	Five US +1	27500
●12.422 H	ITVi Stream	27500
●12.422 H	Teletext Holidays	27500

AST02ASO

Freq Pol GHz	Channel Name	Symbol rate
●11.739 V	Bravo	27500
●11.739 V	Bravo+	27500
●11.739 V	Bravo+1	27500
●11.739 V	Bravo~	27500
●11.739 V	Challenge	27500
●11.739 V	Challenge+	27500
●11.739 V	LIVING	27500
●11.739 V	LIVING +1	27500
●11.739 V	Living+	27500
●11.739 V	LIVING2	27500
●11.739 V	Living~	27500
●11.739 V	test~	27500
●11.739 V	test~~	27500
●11.739 V	Trouble	27500
●11.739 V	Trouble+	27500
●11.798 H	SBO HD1	29500
●11.798 H	SkyMovies HD1	29500
●11.798 H	Test HD	29500
●11.817 V	Dave	27500
●11.817 V	UK Food~	27500
●11.817 V	UK Gold 2~	27500
●11.817 V	UK Gold~	27500
●11.817 V	UK History~	27500
●11.817 V	UK SG~	27500
●11.817 V	UK Style~	27500
●11.817 V	UK Style~~	27500
●11.817 V	UKTV Docs	27500
●11.817 V	Uktv Docs~	27500
●11.817 V	UKTV Drama	27500
●11.817 V	UKTV Food	27500
●11.817 V	UKTV Food +1	27500
●11.817 V	UKTV Gardens	27500
●11.817 V	UKTV Gold	27500
●11.817 V	UKTV History	27500
●11.817 V	UKTV Style	27500
●11.876 H	Animal Planet	27500
●11.876 H	dis+	27500
●11.876 H	Disc.Civilistn	27500
●11.876 H	Disc.H&H+1	27500
●11.876 H	Disc.H&Health	27500
●11.876 H	Disc.RealTime	27500
●11.876 H	Disc.Science	27500
●11.876 H	Disc.Travel&L	27500
●11.876 H	Disc.Turbo	27500
●11.876 H	Discovery	27500
●11.876 H	Discovery+1	27500
●11.876 H	H&Li	27500
●11.876 H	6200	27500
●11.895 V	7012	27500
●11.895 V	7042	27500
●11.895 V	Mti	27500
●11.895 V	MTV BASE	27500
●11.895 V	MTV DANCE	27500
●11.895 V	MTV Flux	27500
●11.895 V	MTV HITS	27500
●11.895 V	MTV ONE	27500
●11.895 V	MTV ONE	27500
●11.895 V	MTV Trax	27500
●11.895 V	MTV TWO	27500
●11.895 V	Nickelodeon	27500
●11.895 V	TMF	27500
●11.895 V	VH1	27500
●11.895 V	VH1 Classic	27500
●12.051 V	Boomerang	27500
●12.051 V	Boomerang +1	27500
●12.051 V	Cartoon I	27500
●12.051 V	Cartoon Netwrk	27500
●12.051 V	CN Too	27500
●12.051 V	Cni	27500
●12.051 V	Toonami I	27500
●12.051 V	CNN	27500
●12.051 V	5606	27500
●12.129 V	B4U Movies	27500
●12.129 V	7308	27500
●12.129 V	B4U Music	27500
●12.129 V	Create & Craft	27500
●12.129 V	S4C	27500
●12.129 V	S4C SE	27500
●12.129 V	S4C2	27500
●12.129 V	Teletext Holidays	27500
●12.129 V	Teletext Hols	27500
●12.129 V	Vitality	27500
●12.129 V	Teletext Holidays &	27500
●12.480 V	12005	27500
●12.480 V	Channel 4 +1	27500
●12.480 V	Channel 4 +1	27500
●12.480 V	Channel 4 +1	27500
●12.480 V	Channel 4 +1	27500
●12.480 V	Channel 4 +1	27500
●12.480 V	Channel 4 +1	27500

AST02BNO

Freq Pol GHz	Channel Name	Symbol rate
●11.992 H	6103	27500
●11.992 H	7360	27500
●11.992 H	7601	27500
●11.992 H	Dave +1	27500
●11.992 H	UKTV Br't Ideas	27500
●11.992 H	UKTV Docs+1	27500
●11.992 H	UKTV Docs+1~	27500
●11.992 H	UKTV Drama+1	27500
●11.992 H	UKTV Food +1	27500
●11.992 H	UKTV Gold +1	27500
●11.992 H	Uktv Gold+1~	27500
●11.992 H	UKTV H'tory+1	27500
●11.992 H	UKTV People	27500
●11.992 H	UKTV Style +1	27500
●12.012 V	Ford Mondeo DAL	27500
●12.012 V	IA Homes Dal	27500
●12.012 V	Portal Video	27500
●12.012 V	Portal Video 1	27500
●12.012 V	Portal Video 2	27500
●12.012 V	Portal Video 5	27500
●12.012 V	Sky Wonder Perks	27500
●12.012 V	Cartoon Network Game	27500
●12.012 V	Cartoon Network Game	27500
●12.012 V	Cartoon Network Game	27500
●12.012 V	Cartoon Network Game	27500
●12.012 V	Games Slot 1	27500
●12.012 V	Games Slot 10	27500
●12.012 V	Games Slot 11	27500
●12.012 V	Games Slot 12	27500
●12.012 V	Games Slot 13	27500
●12.012 V	Games Slot 14	27500
●12.012 V	Games Slot 15	27500
●12.012 V	Games Slot 16	27500
●12.012 V	Games Slot 17	27500
●12.012 V	Games Slot 18	27500
●12.012 V	Games Slot 19	27500
●12.012 V	Games Slot 2	27500
●12.012 V	Games Slot 20	27500
●12.012 V	Games Slot 21	27500
●12.012 V	Games Slot 22	27500
●12.012 V	Games Slot 23	27500
●12.012 V	Games Slot 24	27500
●12.012 V	Games Slot 25	27500
●12.012 V	Games Slot 26	27500
●12.012 V	Games Slot 3	27500
●12.012 V	Games Slot 4 (catfla	27500
●12.012 V	Games Slot 5	27500
●12.012 V	Games Slot 6	27500
●12.012 V	Games Slot 7	27500
●12.012 V	Games Slot 8	27500
●12.012 V	Games Slot 9	27500
●12.012 V	Personal Organiser	27500
●12.012 V	Portal Video Applica	27500
●12.012 V	Sky Plus app	27500
●12.012 V	iSAles	27500
●12.012 V	Sky Bet on Channel 5	27500
●12.012 V	Sky Customer Service	27500
●12.012 V	Sky E Sales CMS	27500
●12.012 V	WML IA Test	27500
●12.070 H	FOX News	27500
●12.070 H	Kerrang!	27500
●12.070 H	Magic	27500
●12.070 H	SCI FI +1	27500
●12.070 H	SCI FI +1	27500
●12.070 H	Sky Arts	27500
●12.070 H	Sky Sports 1	27500
●12.070 H	Sky Sports 3	27500
●12.070 H	Sky Spts News	27500
●12.070 H	Sky Spts Xtra	27500
●12.070 H	Smash Hits!	27500
●12.070 H	The Hits	27500
●12.070 H	DCS24	27500
●12.090 V	STAR News	27500
●12.090 V	STAR Plus	27500
●12.090 V	DCS8	27500
●12.090 V	IEPG data 8	27500
●12.284 V	4609	27500
●12.284 V	Nat Geo	27500
●12.284 V	Nat Geo+1hr	27500
●12.284 V	RealmadridTV	27500
●12.284 V	Sky One	27500
●12.284 V	SkyMovies SD1	27500
●12.284 V	SkyMovies SD2	27500
●12.284 V	yd1oe6	27500
●12.284 V	yd2oe6	27500
●12.284 V	yd3oe6	27500
●12.284 V	yd4oe6	27500
●12.284 V	{Empty}	27500
●12.382 H	MMS 3	27500
●12.382 H	MMS 4	27500
●12.382 H	MMS 7	27500
●12.382 H	{Empty}	27500
●12.382 H	{Empty}	27500
●12.382 H	1697	27500
●12.382 H	4301	27500
●12.382 H	Movies Active	27500
●12.382 H	Sky	27500
●12.382 H	Chl Line-up	27500
●12.460 H	Entertainment Video	27500
●12.460 H	Interactive Card	27500
●12.460 H	Sky Cast	27500
●12.460 H	Sky Games	27500
●12.460 H	TV Picks	27500
●12.460 H	WML IA Application	27500
●12.460 H	WML IA Application	27500
●12.460 H	WML IA Application	27500
●12.460 H	launchpad	27500
●12.460 H	Sky Active	27500
●12.460 H	Sky Perks	27500
●12.460 H	Sky Upgrade Dal	27500
●12.460 H	TLM Portal Plug In	27500
●12.460 H	TLM Portal Redirecto	27500
●12.460 H	WML Highscores	27500
●12.460 H	WML IA Application	27500
●12.460 H	Camelot Info	27500
●12.460 H	Camelot Main	27500
●12.460 H	I-Service App	27500
●12.460 H	Pin Reminder Service	27500
●12.460 H	Set Top Box Ordering	27500
●12.460 H	Sky Bet Active	27500
●12.460 H	Sky Credit Card 1	27500
●12.460 H	Sky Credit Card 2	27500
●12.460 H	Sky Customer Service	27500
●12.460 H	SkyKeys / Internet S	27500

AST02BSO

Freq Pol GHz	Channel Name	Symbol rate
●11.973 V	AlphaEtcPun	27500
●11.973 V	MAX	27500
●11.973 V	Sony TV Asia	27500
●11.973 V	Zee Cinema	27500
●11.973 V	Zee Gujarati	27500
●11.973 V	Zee TV	27500
●11.973 V	Babeworld.tv	27500
●11.973 V	U Save. TV	27500
●11.973 V	Zee Music	27500
●12.032 H	bid tv	27500
●12.032 H	Ideal World	27500
●12.032 H	price-drop tv	27500
●12.032 H	Q_I	27500
●12.032 H	Q_I	27500
●12.032 H	Q_I dir	27500
●12.032 H	QVC	27500
●12.032 H	QVC	27500
●12.032 H	QVC Barker	27500
●12.032 H	QVC TSVNOW	27500
●12.032 H	speedauctiontv	27500
●12.032 H	Teachers TV	27500
●12.109 H	Cartoonito	27500
●12.109 H	cet	27500
●12.109 H	FX	27500
●12.109 H	SBL	27500
●12.109 H	Sky Sports 1	27500
●12.109 H	Sky Sports 1	27500
●12.109 H	Sky Sports 2	27500
●12.109 H	Sky Sports 3	27500
●12.109 H	Sky Sports 3	27500
●12.109 H	Sky Spts1 test	27500
●12.109 H	SP1	27500
●12.109 H	SP3	27500
●12.109 H	Spts Uefa	27500
●12.109 H	TCM 2	27500
●12.109 H	DCS2	27500
●12.188 H	Chelsea TV	27500
●12.188 H	E! Entertainm	27500
●12.188 H	Eurosport UK	27500
●12.188 H	MUTV	27500
●12.188 H	Nat Geo Wild	27500
●12.188 H	ParaComedy 1	27500
●12.188 H	TCM	27500
●12.188 H	HSSNR	27500
●12.188 H	snr3	27500
●12.207 V	Sky News	27500
●12.207 V	Sky News	27500
●12.207 V	Sky News	27500
●12.207 V	Sky News	27500
●12.207 V	Sky News Eire (Cable	27500
●12.207 V	Sky News UK (Cable)	27500
●12.266 H	Jetix +1	27500
●12.266 H	Nick Jr Test	27500
●12.266 H	Nick Jr.	27500
●12.266 H	Nick Replay	27500
●12.266 H	Nick Test	27500
●12.266 H	Nickelodeon	27500
●12.266 H	Nicktoons	27500
●12.266 H	Sky Sports 2	27500
●12.266 H	SkyVenue	27500
●12.266 H	SP2	27500
●12.266 H	{Empty}	27500
●12.266 H	1720	27500
●12.304 H	1429	27500
●12.304 H	Crime	27500
●12.304 H	Five	27500
●12.304 H	Five T1 Reg 1	27500
●12.304 H	Five T2 Reg 2	27500
●12.304 H	Five T3 Reg 2	27500
●12.304 H	Five T4 Reg 1	27500
●12.304 H	Jetix	27500
●12.304 H	Retail Info	27500
●12.304 H	Retail Info	27500
●12.304 H	Sky Vegas	27500
●12.304 H	SkyPoker.com	27500
12.324 V	Artsworld	28250
12.324 V	Discovery HD	28250
12.324 V	Sky Box Office HD2	28250
12.344 H	Sky Box Office HD1	28250
12.344 H	Sky Movies 10 HD	28250
12.344 H	Sky One HD	28250
12.363 V	History HD	28250
12.363 V	Nat Geo HD	28250
●12.441 V	STREAM-0	27500
●12.441 V	STREAM-1	27500
●12.441 V	STREAM-2	27500
●12.441 V	STREAM-3	27500
●12.441 V	STREAM-4	27500
●12.441 V	STREAM-5	27500
●12.441 V	STREAM-6	27500

AST02DKB

Freq Pol GHz	Channel Name	Symbol rate
●10.714 H	G41	22000
●10.714 H	ITV1 Anglia S	22000
●10.714 H	ITV1 Anglia W	22000
●10.714 H	ITV1 Central SW	22000
●10.714 H	ITV1 TT N	22000
●10.714 H	ITV1 TT S	22000
●10.714 H	ITV2+1	22000
●10.714 H	ITVi Stream 3	22000
●10.714 H	TTG41	22000
●10.729 V	8389	22000
●10.729 V	E4	22000
●10.729 V	E4+1	22000
●10.729 V	EfiAd	22000
●10.729 V	More4	22000
●10.729 V	More4 +1	22000
●10.729 V	FF TEST1	22000
●10.729 V	Film4	22000
●10.729 V	Film4 +1	22000
●10.729 V	Teletext Cars	22000
●10.744 H	TV3	22000
●10.744 H	DW-TV	22000
●10.744 H	RTE One	22000
●10.744 H	RTE TWO	22000
●10.744 H	TG4	22000
●10.744 H	9604	22000
●10.744 H	RTE 2FM	22000
●10.744 H	RTE Lyric fm	22000
●10.744 H	RTE R na G	22000
●10.744 H	RTE Radio 1	22000
●10.759 V	CITV	22000
●10.759 V	ITV1 Anglia E	22000
●10.759 V	ITV1 Central W	22000
●10.759 V	ITV1 Granada	22000
●10.759 V	ITV1 London	22000
●10.759 V	ITV2	22000
●10.759 V	ITV4	22000
●10.759 V	Men & Motors	22000
●10.773 H	BBC 1 London	22000
●10.773 H	BBC 1 NI	22000
●10.773 H	BBC 2 England	22000
●10.773 H	BBC FOUR	22000
●10.773 H	BBC NEWS 24	22000
●10.773 H	BBC TES 3	22000
●10.773 H	BBC THREE	22000
●10.773 H	CBBC Channel	22000
●10.773 H	CBeebies	22000
●10.773 H	ETV	22000
●10.787 V	BBC 1 E Mids	22000
●10.787 V	BBC 1 East (E)	22000
●10.787 V	BBC 1 N West	22000
●10.787 V	BBC 1 W Mids	22000
●10.787 V	BBC 1 Yorks	22000
●10.787 V	BBC 1 Yrks&Lin	22000
●10.787 V	ETV5	22000
●10.803 H	BBC 1 Scotland	22000
●10.803 H	BBC 1 Wales	22000
●10.803 H	BBC 2 NI	22000
●10.803 H	BBC 2 Scotland	22000
●10.803 H	BBC 2W	22000
●10.803 H	ETV2	22000
●10.803 H	BBC 5LSport	22000
●10.803 H	BBC R5 Live	22000
●10.803 H	ETV3	22000
●10.818 V	BBC 1 NE & C	22000
●10.818 V	BBC 1 Oxford	22000
●10.818 V	BBC 1 S East	22000
●10.818 V	BBC 1 S West	22000
●10.818 V	BBC 1 South	22000
●10.818 V	BBC 1 West	22000
●10.818 V	ETV6	22000
●10.832 H	G49	22000
●10.832 H	ITV1 Border	22000
●10.832 H	ITV1 Central E	22000
●10.832 H	ITV1 Central S	22000
●10.832 H	ITV1 W Country	22000
●10.832 H	ITV1 Wales	22000
●10.832 H	ITV1 West	22000
●10.832 H	ITVi Stream 2	22000
●10.832 H	ITVi Stream 2	22000
●10.847 V	6945	22000
●10.847 V	BBC HD	22000
●10.847 V	BBC 1 CI	22000
●10.847 V	BBC 1 East (W)	22000
●10.862 H	9010	22000
●10.862 H	DCT (t51)	22000
●10.862 H	DisnCinemagic	22000
●10.862 H	Disney Chnl	22000
●10.862 H	Disney Chnl+1	22000
●10.862 H	DisneyCine+1	22000
●10.862 H	Playhse Disney	22000
●10.862 H	ArrwRock	22000
●10.862 H	Galaxy	22000
●10.862 H	Heart	22000
●10.862 H	LBC 97.3	22000
●10.862 H	Oneword	22000
●10.862 H	Real Radio	22000
●10.862 H	Smooth	22000
●10.862 H	snr3t	22000
●10.862 H	talkSPORT	22000
●10.862 H	Yarr	22000
●10.876 V	1356	22000
●10.876 V	At The Races	22000
●10.876 V	At The Races	22000
●10.876 V	FX+	22000
●10.876 V	Sky Sports 2	22000
●10.876 V	Sky Travel	22000
●10.876 V	Sky Travel +1	22000
●10.876 V	Sky Trvl Extra	22000
●10.876 V	SkyTravelShop	22000
●10.891 H	G53	22000
●10.891 H	ITV1 BorderSco	22000
●10.891 H	ITV1 Mer N	22000
●10.891 H	ITV1 Mer SE	22000
●10.891 H	ITV1 Meridian E	22000
●10.891 H	ITV1 Meridian S	22000
●10.891 H	ITV1 Yorks E	22000
●10.891 H	ITV1 Yorks W	22000
●10.891 H	ttg53	22000
●10.906 V	G54	22000
●10.906 V	ITV Channel Is	22000
●10.906 V	ITV3	22000
●10.906 V	ITV3+1	22000
●10.906 V	stv	22000
●10.906 V	stv	22000
●10.906 V	stv	22000
●10.906 V	UTV	22000
●10.936 V	1391	22000
●10.936 V	1392	22000
●10.936 V	1393	22000
●10.936 V	1394	22000
●10.936 V	1395	22000
●10.936 V	1396	22000
●10.936 V	1397	22000
●10.936 V	1398	22000
●10.936 V	1399	22000
●10.936 V	{Empty}	22000
●10.936 V	1471	22000
●10.936 V	1472	22000
●10.936 V	1473	22000
●10.936 V	1474	22000
●10.936 V	1475	22000
●10.936 V	1476	22000
●10.936 V	1477	22000
●10.936 V	1478	22000
●10.936 V	{Empty}	22000

EUB001KF

Freq Pol GHz	Channel Name	Symbol rate
●11.222 H	Racing UK	27500
●11.222 H	Racing World	27500
●11.222 H	CelebrityShop	27500
●11.222 H	Chat Box	27500
●11.222 H	Fashion TV	27500
●11.222 H	Get Lucky TV	27500
●11.222 H	Golf Pro-Shop	27500
●11.222 H	MKTV	27500
●11.222 H	ROCKWORLDTV	27500
●11.222 H	UCB TV	27500
●11.222 H	Wonderful	27500
●11.222 H	YouPlay TV	27500
●11.222 H	Zone Reality X	27500
●11.222 H	BFBS Radio	27500
●11.222 H	Club Asia	27500
●11.222 H	Sunrise	27500
●11.222 H	52031	27500
●11.224 V	Sahara Filmy	27500
●11.224 V	Sahara One	27500
●11.224 V	Classic FM TV	27500
●11.224 V	Jackpot TV	27500
●11.224 V	Legal TV	27500
●11.224 V	LivinginSpain	27500
●11.224 V	Movies4Men 2	27500
●11.224 V	MusFlashTV	27500
●11.224 V	Pitch TV	27500
●11.224 V	Pitch TV Plus	27500
●11.224 V	PTV Global	27500
●11.260 V	AAJ TAK	27500
●11.260 V	Aapna Channel	27500
●11.260 V	Audi Channel	27500
●11.260 V	Gospel Channel	27500
●11.260 V	Mana Telugu	27500
●11.260 V	Open Access	27500
●11.260 V	Open Access 2	27500
●11.260 V	Open Access 3	27500
●11.260 V	Over 18 TV	27500
●11.260 V	Passion TV	27500
●11.260 V	SmartLive	27500
●11.260 V	Turn on TV	27500
●11.260 V	TWCfight!	27500
●11.262 H	Africa Channel	27500
●11.262 H	Channel 6	27500
●11.262 H	CNBC	27500
●11.262 H	Setanta Ireland	27500
●11.262 H	STAR Gold	27500
●11.262 H	STAR One	27500
●11.262 H	Business Chn'l	27500
●11.262 H	DM Digital	27500
●11.262 H	Gay Network	27500
●11.262 H	Max TV	27500
●11.262 H	SportxxxBabes	27500
●11.262 H	Thane Direct	27500
●11.262 H	Zone Horror	27500
●11.262 H	Zone Reality +1	27500
●11.262 H	Newstalk	27500
●11.262 H	Panjab Radio	27500
●11.307 V	Aastha TV	27500
●11.307 H	Bravo 2	27500
●11.307 H	Challenge+1	27500
●11.307 V	LiverpoolFCTV	27500
●11.307 H	LIVING	27500
●11.307 V	Motors TV	27500
●11.307 V	Nickelodeon	27500
●11.307 V	Private One	27500
●11.307 V	Private Two	27500
●11.307 H	Trouble +1	27500
●11.307 H	Virgin 1	27500
●11.307 H	Virgin 1+1	27500
●11.307 V	XPLICIT XXX	27500
●11.307 V	50181	27500
●11.307 V	Jewellery Ch.	27500
●11.307 H	JML Direct TV	27500
●11.307 V	PitchGaming	27500
●11.307 H	propeller	27500
●11.307 V	Simply Ideas	27500
●11.307 V	Simply Shop	27500
●11.307 V	TV Warehouse1	27500
●11.307 H	Vinappris	27500
●11.307 V	Xleague.tv	27500
●11.307 H	Premier	27500
●11.343 V	Setanta Sports	27500
●11.343 V	Setanta Sports	27500
●11.343 V	52360	27500
●11.343 V	AAG	27500
●11.343 V	AAG	27500
●11.343 V	ARY QTV	27500
●11.343 V	B4	27500
●11.343 V	B4	27500
●11.343 V	Babestation	27500
●11.343 V	Babestation	27500
●11.343 V	Babeworld.tv	27500
●11.343 V	Bliss	27500
●11.343 V	Bliss	27500
●11.343 V	Brit Shorts	27500
●11.343 V	Brit Shorts	27500
●11.343 V	Fizz	27500
●11.343 V	Fizz	27500
●11.343 V	Flaunt	27500
●11.343 V	Flaunt	27500
●11.343 V	GEO UK	27500
●11.343 V	GEO UK	27500
●11.343 V	House Of Fun	27500
●11.343 V	House Of Fun	27500
●11.343 V	i Play TV	27500
●11.343 V	i Play TV	27500
●11.343 V	Lucky Star	27500
●11.343 V	Lucky Star	27500
●11.343 V	Mainstreet	27500
●11.343 V	Pop +1	27500
●11.343 V	Pop +1	27500
●11.343 V	PopGirl	27500
●11.343 V	PopGirl	27500
●11.343 V	Psychic TV	27500
●11.343 V	Psychic TV	27500
●11.343 V	Raj TV	27500
●11.343 V	Raj TV	27500
●11.343 V	Scuzz	27500
●11.343 V	Scuzz	27500
●11.343 V	Sumo TV	27500
●11.343 V	Sumo TV	27500
●11.343 V	Tiny Pop +1	27500
●11.343 V	Tiny Pop +1	27500
●11.343 V	True Movies	27500
●11.343 V	True Movies	27500
●11.343 V	True Movies 2	27500
●11.343 V	True Movies 2	27500
●11.343 V	Wine TV	27500
●11.343 V	Wine TV	27500
●11.343 V	ZoneRomantica	27500
●11.343 V	ZoneRomantica	27500
●11.343 V	55216	27500
●11.343 V	GROOVE	27500
●11.343 V	GROOVE	27500
●11.343 V	HINRG LOWNRG	27500
●11.343 V	HINRG LOWNRG	27500
●11.343 V	WELL CLASS	27500
●11.343 V	WELL CLASS	27500
●11.343 V	55250	27500
●11.343 V	55250	27500
●11.343 V	55251	27500
●11.343 V	55251	27500
●11.344 H	Animal Plnt+1	27500
●11.344 H	Disc.RT Extra	27500
●11.344 H	Disc.RT+1	27500
●11.344 H	Discovery+1.5	27500
●11.344 H	Nick Jr. 2	27500
●11.344 H	Bangla TV	27500
●11.344 H	Blue Kiss TV	27500
●11.344 H	DM Gold	27500
●11.344 H	Essex Babes	27500
●11.344 H	LifeShowcase	27500
●11.344 H	LivexxxBabes	27500
●11.344 H	Price Crash 2	27500
●11.344 H	Real Estate TV	27500
●11.344 H	Sumo TV +1	27500
●11.344 H	Wedding TV	27500
●11.389 V	Adult Channel	27500
●11.389 V	Climax3 - 1	27500
●11.389 V	Climax3 - 2	27500
●11.389 V	Climax3 - 3	27500
●11.389 V	movies24	27500
●11.389 V	movies24+	27500
●11.389 H	Nick Jr	27500
●11.389 V	Playboy TV	27500
●11.389 V	psdtt	27500
●11.389 V	Spice Extreme	27500
●11.389 V	ARY The Musik	27500
●11.389 H	channel U	27500
●11.389 H	Creative TV	27500
●11.389 V	Dating Channel	27500
●11.389 H	Entrepreneur	27500
●11.389 H	Film24	27500
●11.389 H	Gems TV2	27500
●11.389 H	Golf Channel	27500
●11.389 H	MATV National	27500
●11.389 H	Northern Birds	27500
●11.389 H	Performance	27500
●11.389 V	Playboy One	27500
●11.389 H	The Other Side	27500
●11.389 H	Travel Ch +1	27500
●11.389 V	Amrit Bani	27500
●11.389 V	big L 1395	27500
●11.389 V	Caroline	27500
●11.389 V	CC Radio	27500
●11.389 V	Colourful	27500
●11.389 V	Desi Radio	27500
●11.389 V	DutchIntSv	27500
●11.389 V	EWTN	27500
●11.389 V	Family Radio	27500
●11.389 V	Gaydarradio	27500
●11.389 V	InsightRadio	27500
●11.389 V	MOS Radio	27500
●11.389 V	Music Shop	27500
●11.389 V	Pulse Rated	27500
●11.389 V	Raaj Radio	27500
●11.389 V	Radio	27500
●11.389 V	Rainbow	27500
●11.389 V	Recordbrazil	27500
●11.389 V	RTE Europe	27500
●11.389 V	Spectrum 1	27500
●11.389 V	Starpoint Radio	27500
●11.389 V	The Word	27500
●11.389 V	TWR	27500
●11.389 V	VIP Radio	27500
●11.389 V	Virgin Radio	27500
●11.389 V	Virgin105.8	27500
●11.389 V	VirginCRock	27500
●11.389 V	VirginGrve	27500
●11.389 V	VirginXtrme	27500
●11.389 V	WRN Europe	27500
●11.389 V	Yorkshire R	27500
●11.426 V	Diva TV	27500
●11.426 V	SouthForYou	27500
●11.426 V	AAG	27500
●11.426 V	Angel	27500
●11.426 V	ARY QTV	27500
●11.426 V	Bloomberg	27500
●11.426 V	DD-India	27500
●11.426 V	GEO UK	27500
●11.426 V	i Play TV	27500
●11.426 V	My Channel	27500
●11.426 V	OBE	27500
●11.426 V	Venus TV	27500

EUB001S1

Freq Pol GHz	Channel Name	Symbol rate
●11.469 H	MMS 1	27500
●11.469 H	MMS 2	27500
●11.469 H	MMS 5	27500
●11.469 H	MMS 6	27500
●11.469 H	MMS 8	27500
●11.469 H	TVEi	27500
●11.469 H	{Empty}	27500
●11.469 H	{Empty}	27500
●11.469 H	Directgov	27500
●11.469 H	Sky Customer Service	27500
●11.488 V	Channel Punjab	27500
●11.488 V	Channel 'S'	27500
●11.488 V	Channel S ATN	27500
●11.488 V	Channel S NTV	27500
●11.488 V	France 24	27500
●11.488 V	Info TV2	27500
●11.488 V	revelation	27500
●11.488 V	Smart Shop TV	27500
●11.488 V	Turn On TV 2	27500
●11.488 V	54063	27500
●11.508 H	1784	27500
●11.508 H	5ADT	27500
●11.508 H	8N2	27500
●11.508 H	9328	27500
●11.508 H	EIA2 Test	27500
●11.508 H	EIA2 Test 3	27500
●11.508 H	EIA2 Test 4	27500
●11.508 H	EIA2 Test 5	27500
●11.508 H	EIA2 Test 6	27500
●11.508 H	ISM Sky News v6	27500
●11.508 H	ISM Sky One v6	27500
●11.508 H	ISM Sports 1 v6	27500
●11.508 H	ISM Test1 v5	27500
●11.508 H	Pub Channel	27500
●11.508 H	STT	27500
●11.527 V	ParaComedy 1	27500
●11.527 V	Channel M	27500
●11.527 V	DD-News	27500
●11.527 V	GayDateTV	27500
●11.527 V	NHS t3	27500
●11.527 V	NHS V1	27500
●11.527 V	NHS V1t	27500
●11.527 V	NHS V2	27500
●11.527 V	NHS V2t	27500
●11.527 V	Thomas Cook	27500
●11.527 V	NHS A1	27500
●11.527 V	NHS A2	27500
●11.527 V	NHS Direct Interacti	27500
●11.546 H	Africa Channel	27500
●11.546 H	ARY Digital	27500
●11.546 H	ParaComedy+1	27500
●11.546 H	AVAGO (Cable)	27500
●11.546 H	AvaTest	27500
●11.546 H	cso	27500
●11.546 H	cso T	27500
●11.546 H	Faith	27500
●11.546 H	Gala TV	27500
●11.546 H	Home&Travel	27500
●11.546 H	PokerZone	27500
●11.546 H	Shop on TV	27500
●11.546 H	Stop + Shop	27500
●11.546 H	Wine TV	27500
●11.565 V	E4	27500
●11.565 V	Audi R8 DAL	27500
●11.565 V	Brylcreem Dal	27500
●11.565 V	Cadbury Val	27500
●11.565 V	IA Homes Dal	27500
●11.565 V	Mercedes Dal	27500
●11.565 V	Nintendo Dal	27500
●11.565 V	Nissan Xtrail Dal	27500
●11.565 V	Subaru Dal	27500
●11.565 V	Video Test One Dal	27500
●11.565 V	COI Tobacco DAL	27500
●11.565 V	Ford retail Dal	27500
●11.565 V	Gadget Test App Dal	27500
●11.565 V	Movie Quiz	27500
●11.565 V	Sky Anytime Dal	27500
●11.565 V	Sky Wonder Perks	27500
●11.565 V	Star Gate Atlantis	27500
●11.565 V	TLM(Browser)	27500
●11.565 V	Camelot Test ABB	27500
●11.565 V	Camelot Test Info	27500
●11.565 V	Cinema Guide ABB	27500
●11.565 V	Keith Prowse ABB	27500
●11.565 V	KOOPID ABB	27500
●11.565 V	LADBROKES ABB	27500
●11.565 V	Littlewoods ABB	27500
●11.565 V	littlewoods BD Game	27500
●11.565 V	littlewoods BD Game	27500
●11.565 V	littlewoods BD Game	27500
●11.565 V	Local authority	27500

TV Digital
Radio Digital
Channel
TV Analog
Radio Analog

Freq GHz	Pol	Channel Name	Symbol rate
●11.565	V	Sky Bet Channel Fou	27500
●11.565	V	Sky Bet At The Races	27500
●11.565	V	The Betting Zone	27500
●11.585	H	3901 PH	27500
●11.585	H	50691	27500
●11.585	H	Fantasy 1	27500
●11.585	H	Fantasy 2	27500
●11.585	H	Gay TV	27500
●11.585	H	Red Hot 40+	27500
●11.585	H	Red Hot R	27500
●11.585	H	Red Hot Wives	27500
●11.585	H	RedHot All Girl	27500
●11.585	H	redhot amateur	27500
●11.585	H	RedHot Raw	27500
●11.585	H	Television X	27500
●11.585	H	Television X 2	27500
●11.585	H	Television X 3	27500
●11.585	H	Television X4	27500
●11.585	H	50686	27500
●11.603	V	Biography	27500
●11.603	V	History	27500
●11.603	V	History +1 hour	27500
●11.603	V	Sky Mdn Greats	27500
●11.603	V	Sky Prem+1	27500
●11.603	V	Sky Premiere	27500
●11.623	H	BabyTV	27500
●11.623	H	50849	27500
●11.623	H	50850	27500
●11.623	H	Abu Dhabi TV	27500
●11.623	H	Babe Central	27500
●11.623	H	Big Box TV	27500
●11.623	H	Horse & Country	27500
●11.623	H	PCNE Chinese	27500
●11.623	H	PTV Prime	27500
●11.623	H	GlobeCast	27500
●11.623	H	Heat	27500
●11.623	H	InTune	27500
●11.623	H	Kerrang	27500
●11.623	H	Kiss	27500
●11.623	H	Magic	27500
●11.623	H	MOJO	27500
●11.623	H	Moto	27500
●11.623	H	Q	27500
●11.623	H	Smash Hits!	27500
●11.623	H	The Hits	27500
●11.623	H	Wired Ocean	27500
●11.642	V	Setanta Sports	27500
●11.642	V	AAG	27500
●11.642	V	Anime Central	27500
●11.642	V	ARY QTV	27500
●11.642	V	B4	27500
●11.642	V	B4	27500
●11.642	V	Babestation	27500
●11.642	V	BEN TV 2	27500
●11.642	V	Bliss	27500
●11.642	V	Bliss	27500
●11.642	V	Brit Shorts	27500
●11.642	V	Chart Show TV	27500
●11.642	V	Fizz	27500
●11.642	V	Flaunt	27500
●11.642	V	Flaunt	27500
●11.642	V	GEO UK	27500
●11.642	V	House Of Fun	27500
●11.642	V	i Play TV	27500
●11.642	V	Lucky Star	27500
●11.642	V	Minx	27500
●11.642	V	POP	27500
●11.642	V	Pop +1	27500
●11.642	V	Pop +1	27500
●11.642	V	PopGirl	27500
●11.642	V	PopGirl	27500
●11.642	V	Psychic TV	27500
●11.642	V	Raj TV	27500
●11.642	V	Scuzz	27500
●11.642	V	Scuzz	27500
●11.642	V	Sumo TV	27500
●11.642	V	The Vault	27500
●11.642	V	Tiny Pop	27500
●11.642	V	Tiny Pop +1	27500
●11.642	V	Tiny Pop +1	27500
●11.642	V	True Movies	27500
●11.642	V	True Movies	27500
●11.642	V	True Movies 2	27500
●11.642	V	True Movies 2	27500
●11.642	V	Wine TV	27500
●11.642	V	55216	27500
●11.642	V	GROOVE	27500
●11.642	V	HINRG LOWNRG	27500
●11.642	V	WELL CLASS	27500
●11.642	V	55250	27500
●11.642	V	55251	27500
●11.662	H	ESPN Classic	27500
●11.662	H	CCTV-9	27500
●11.662	H	Inspiration	27500
●11.662	H	Live Roulette	27500
●11.662	H	LOVEWORLD TV	27500
●11.662	H	mta-muslim tv	27500
●11.662	H	Word Network	27500
●11.662	H	Ladbrokes Roulette	27500
●11.662	H	PlayJam Games	27500
●11.662	H	Ladbrokes Betting &	27500
●11.662	H	Ladbrokes Blackjack	27500
●11.662	H	Ladbrokes test	27500
●11.681	V	Extreme Sports	27500
●11.681	V	RealmadridTV	27500
●11.681	V	Al Jazeera Eng	27500
●11.681	V	FriendlyTV	27500
●11.681	V	GOD Channel	27500
●11.681	V	GOD Europe	27500
●11.681	V	HollywoodTV	27500
●11.681	V	Islam Channel	27500
●11.681	V	TBN Europe	27500

EUB001S2

Freq GHz	Pol	Channel Name	Symbol rate
●12.523	V	BabyFirst	27500
●12.523	V	Baby Channel	27500
●12.523	H	BEN	27500
●12.523	H	DAYSTAR	27500
●12.523	H	EWTN	27500
●12.523	V	Gems TV	27500
●12.523	V	Genesis	27500
●12.523	H	Information TV	27500
●12.523	H	Islam Channel	27500
●12.523	V	JML Extra	27500
●12.523	V	Life One	27500
●12.523	V	Life TV	27500
●12.523	H	Movies4Men	27500
●12.523	H	Peace TV	27500
●12.523	V	Price Crash	27500
●12.523	V	Reality TV.	27500
●12.523	V	Record TV	27500
●12.523	H	Russia Today	27500
●12.523	V	Shop Vector+	27500
●12.523	H	Simply TV	27500
●12.523	V	Stop + Shop	27500
●12.523	V	TV SHOP	27500
●12.523	V	TV Warehouse	27500
●12.523	V	TVW Select	27500
●12.523	V	Vector 24/7	27500
●12.523	V	Zone Reality	27500
●12.523	V	Akash Radio	27500
●12.523	V	Apni Awaz	27500
●12.523	V	Asian Gold	27500
●12.523	V	Capital	27500
●12.523	V	Choice FM	27500
●12.523	V	Classic FM	27500
●12.523	V	FUN Radio	27500
●12.523	V	Gold	27500
●12.523	V	Kismat	27500
●12.523	V	Liberty	27500
●12.523	V	Panjab Radio	27500
●12.523	V	Planet Rock	27500
●12.523	H	RTI Radio	27500
●12.523	V	Solar Radio	27500
●12.523	V	Sukh Sagar	27500
●12.523	V	theJazz	27500
●12.523	V	UCB Bible	27500
●12.523	V	UCB Insp	27500
●12.523	V	UCB Talk	27500
●12.523	V	UCB UK	27500
●12.523	V	XFM	27500
12.523	H	mSync2 NEW	27500
●12.559	V	BabyFirst	27500
●12.559	H	Celtic TV	27500
●12.559	H	Celtic TV	27500
●12.559	V	NASN	27500
●12.559	H	PPV 1	27500
●12.559	H	Rangers TV	27500
●12.559	H	Rangers TV	27500
●12.559	H	Setanta Golf	27500
●12.559	H	Setanta Golf	27500
●12.559	H	Setanta Sports1	27500
●12.559	H	Setanta Sports1	27500
●12.559	H	Setanta Sports2	27500
●12.559	H	Setanta Sports2	27500
●12.559	V	Best Direct	27500
●12.559	V	BestDirect+	27500
●12.559	V	Bubble Hits	27500
●12.559	V	EuroNews	27500
●12.559	V	fame TV	27500
●12.559	V	O'seasproperty	27500
●12.559	V	Real Estate +1	27500
●12.559	V	Shop Now TV	27500
●12.559	V	Thomson TV	27500
●12.559	V	Travel Channel	27500
●12.559	V	Wedding TV+1	27500
●12.559	V	Zone Thriller	27500
●12.607	H	55238	27500
●12.607	H	Gay TV	27500
●12.607	H	Red Hot 40+	27500
●12.607	H	Red Hot Gold	27500
●12.607	H	Red Hot R	27500
●12.607	H	Red Hot Reality	27500
●12.607	H	Red Hot Wives	27500
●12.607	H	RedHot All Girl	27500
●12.607	H	redhot amateur	27500
●12.607	H	RedHot Raw	27500
●12.607	H	Television X	27500

Freq GHz	Pol	Channel Name	Symbol rate
●12.607	H	Television X 2	27500
●12.607	H	Television X 3	27500
●12.607	H	Television X4	27500

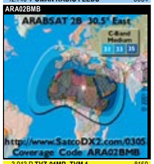
Freq GHz	Pol	Channel Name	Symbol rate
●12.643	H	Fantasy 1	27500
●12.643	H	Fantasy 2	27500
●12.643	H	Private One	27500
●12.643	H	Noor TV	27500
●12.643	H	PitchGaming2	27500
●12.643	H	Xleague.tv	27500

ARABSAT 2B
30.5 East

ARA02BKU

Freq GHz	Pol	Channel Name	Symbol rate
12.551	H	Rotana Clip	10200
12.551	H	Rotana Khalijiah	10200
12.551	H	Rotana Music	10200
12.551	H	Rotana Tarab	10200
12.572	H	Ethiopia	14800
12.572	H	Ethiopia TV	14800
12.572	H	Hannibal	14800
12.572	H	Hannibal	14800
12.572	H	Hannibal	14800
12.572	H	Tunis	14800
12.572	H	Tunis	14800
12.572	H	Ethiopia R1	14800
12.572	H	Ethiopia R1	14800
12.572	H	Polish Radio	14800
12.572	H	Polish Radio	14800
12.572	H	R-Tunisie-Culture	14800
12.572	H	R-Tunisie-Internatio	14800
12.572	H	R-Tunisie-National	14800
12.572	H	Tunis 7 R1	14800
12.572	H	Tunis 7 R2	14800
●12.582	V	BN SPACE CHANNEL	4220
12.582	V	BN SPACE CHANNEL	4220
12.582	V	SUDANTV1	4220
12.589	V	AL DIYAR	4220
12.589	V	DEFAULT	4220
12.603	V	AL-IRAQIA SPORT T	3000
12.603	V	AL-IRAQIA SPORT T	3000
12.603	V	PBC SNG RAM.	3000
12.611	V	Basrah Backhaul	2748
●12.611	V	Najaf Backhaul	2748
12.619	V	Al Iraqia	3000
12.619	V	Globecast feeds (TVE	6111
12.620	V	PBC SNG RAM.	27500
12.620	V	DATOS ARABSAT	27500
12.641	H	Amuzicana Tv	6666
12.641	H	fashiontv Arabia	6666
12.641	H	JARAS TV	6666
12.662	V	Almajd 10	27500
12.662	V	Almajd 11	27500
12.662	V	Almajd 5	27500
12.662	V	Almajd 6	27500
12.662	V	Almajd 7	27500
12.662	V	Almajd 8	27500
12.662	V	Almajd 9	27500
●12.662	V	Feeds	27500
12.662	V	Almajd 1	27500
12.662	V	Almajd 2	27500
12.662	V	Almajd 3	27500
12.662	V	Almajd 4	27500
12.662	V	Almajd Dal Radio	27500
12.692	V	Al Jazeera feeds (	3600
12.692	V	Al Jazeera feeds (	3600
12.697	V	Al Jazeera feeds (Se	3600
12.703	V	Dimtsi Hafash	3000
12.709	H	Arab Tourism	1850
12.740	V	OMAN TV SPECIAL	5084
12.740	V	OMAN TV CH1	5084
12.740	V	OMAN RADIO FEEDS	5084

ARA02BMB



Freq GHz	Pol	Channel Name	Symbol rate
3.913	R	TVZ-01MR, TVM 1	8150
3.913	R	TVZ-01MR, TVM Plus	8150
4.042	L	Al Jazeera English	3000
4.070	R	TVM NAT	6111
4.075	L	ALHURRA	3000
4.079	R	RTM_Laayoune	6111
4.114	L	RTD	3340
● 4.114	L	Service 2	3340
● 4.196	L	AL MANAR TV	3125
4.196	L	AL MANAR TV	3125
● 4.196	L	AL NOUR RADIO	3125
4.196	L	AL NOUR RADIO	3125

INTELSAT 802/EUROBIRD 3
33.0 East

EUB003KA

Freq GHz	Pol	Channel Name	Symbol rate
11.472	H	Skylogic	27500
11.472	H	EB3-A Linkstar Servi	27500
11.472	H	Integrasys	27500
11.472	H	PCR	27500
11.513	H	skyDSL/cableDSL	30000
11.554	H	Skylogic	27500
11.554	H	EB3-A Ctl PID	27500
11.554	H	EB3-A Linkstar Servi	27500
11.554	H	EB3-D Linkstar Servi	27500
11.554	H	Integrasys	27500
11.554	H	PCR	27500
11.554	H	PCR	27500
11.598	H	EB3-A Ctl PID	27500
11.598	H	EB3-D Linkstar Servi	27500
11.598	H	PCR	27500
●11.649	V	TURF TV	10100

EUB003KB

Freq GHz	Pol	Channel Name	Symbol rate
11.098	H	TV8 Mont Blanc	2441
●11.110	H	FOX TURK	3124
11.110	H	FOX TURK	3124
11.140	V	MTV/MICK WALLONNE	4881
11.512	V	Internet	30000
11.512	V	OpenSkyPush	30000
11.512	V	Streaming	30000
11.596	V	MAP TV	27500
11.596	V	MAP TV	27500
●11.596	V	Radio BNL	27500
11.596	V	Digital Television	27500
11.596	V	Digital Television	27500
11.596	V	EB3-B Linkstar Servi	27500
11.596	V	EB3-B Linkstar Servi	27500
11.596	V	EB3-C-CTLPID	27500
11.596	V	EB3-C-CTLPID	27500
11.596	V	PCR	27500
11.596	V	PCR	27500

EUTELSAT SESAT,W4
36.0 East

EUT0W4AF

Freq GHz	Pol	Channel Name	Symbol rate
●11.476	H	13RUE	29000
11.476	H	13RUE	29000
●11.476	H	Arte	29000
11.476	H	Arte	29000
●11.476	H	Can+C	29000
11.476	H	Can+C	29000
●11.476	H	CineC	29000
11.476	H	CineC	29000
●11.476	H	FR2	29000
11.476	H	FR2	29000
●11.476	H	FR5	29000
11.476	H	FR5	29000
●11.476	H	KBCTV	29000
11.476	H	KBCTV	29000
●11.476	H	NTV	29000
11.476	H	NTV	29000
●11.476	H	Plan	29000
11.476	H	Plan	29000
●11.476	H	RTL9	29000
11.476	H	RTL9	29000
11.476	H	RTNC	29000
●11.476	H	RTNC	29000
11.476	H	Sprt+	29000
●11.476	H	Sprt+	29000
11.476	H	Tiji	29000
●11.476	H	Tiji	29000
●11.476	H	TRACE	29000
11.476	H	TraceTV	29000
11.476	H	CORO	29000
●11.476	H	CORO	29000
●11.476	H	IDHAA	29000
11.476	H	IDHAA	29000
11.476	H	KBCes	29000
●11.476	H	KBCes	29000
●11.476	H	METRO	29000
11.476	H	METRO	29000
11.559	H	AXN	29000
11.559	H	DsnyP	29000
11.559	H	Globo	29000
11.559	H	Lus G	29000
11.559	H	Lus P	29000
11.559	H	MTV P	29000
11.559	H	NGeoP	29000
11.559	H	RTBF	29000
11.559	H	RTPa	29000
11.559	H	SIC I	29000
11.559	H	SIC N	29000
11.559	H	TVMoz	29000
11.559	H	TVRec	29000
11.559	H	TVUga	29000
12.284	H	CCE&F	26480
●12.284	H	go	26480
●12.284	H	KAIDy	26480
12.284	H	LCI	26480
●12.284	H	NaGeo	26480
●12.284	H	SkyN	26480
●12.284	H	SS5	26480
12.284	H	SS7	26480
●12.284	H	SSupd	26480
●12.284	H	ZnRea	26480
12.322	H	AJE	26480
●12.322	H	AnimP	26480
●12.322	H	Boom	26480
12.322	H	FTV	26480
12.322	H	FutW5	26480
12.322	H	go	26480
12.322	H	Learn	26480
12.322	H	Rhema	26480
12.322	H	SS6	26480
12.322	H	TCM	26480
12.322	H	THC	26480
12.322	H	70s	26480
●12.322	H	AdulC	26480
12.322	H	Afric	26480
12.322	H	Beaut	26480
●12.322	H	CampR	26480
12.322	H	ClasJ	26480
12.322	H	ClasR	26480
12.322	H	Contl	26480
12.322	H	Dance	26480
12.322	H	FrenC	26480
12.322	H	Gospl	26480
●12.322	H	Htrax	26480
12.322	H	LiteC	26480
12.322	H	R'nR	26480
12.322	H	Regga	26480
12.322	H	SmthJ	26480
12.322	H	SoftH	26480
12.322	H	Symph	26480
12.322	H	UBeat	26480
12.322	H	Urban	26480
12.322	H	Extended EPG	26480
12.322	H	Games	26480
12.322	H	Guide	26480
12.322	H	IPE	26480
●12.322	H	PVRgd	26480
12.322	H	Theme Search	26480
12.360	H	B4U	26480
12.360	H	C+H	26480
12.360	H	CN	26480
12.360	H	CNN	26480
12.360	H	E !	26480
●12.360	H	FR24	26480
●12.360	H	LCI	26480
12.360	H	MTV	26480
12.360	H	RTPi	26480
12.360	H	TV5	26480
12.360	H	CII	26480
12.360	H	RFI	26480
12.360	H	TAR	26480
12.360	H	VOA	26480
12.360	H	WRN	26480
12.399	H	ESPN	26480
12.399	H	EuroN	26480
●12.399	H	HallM	26480
12.399	H	RAI	26480
●12.399	H	SET A	26480
●12.399	H	TF6	26480
12.399	H	ZDF	26480
12.399	H	ZeeTV	26480
12.399	H	BBC1	26480
12.399	H	BBC2	26480
12.399	H	BBC3	26480
12.399	H	RAI R	26480
12.399	H	Okapi	26480
12.437	H	actX	23438
12.437	H	BBC P	23438
12.437	H	BBC W	23438
12.437	H	C&I	23438
12.437	H	Dsny	23438
12.437	H	MNetE	23438
●12.437	H	MTV B	23438
12.437	H	SABCA	23438
12.437	H	SS10	23438
12.437	H	SS2	23438
12.437	H	SSsel	23438
12.437	H	TPA1	23438
●12.437	H	Even2	23438
12.437	H	ITest	23438
12.437	H	DMove	23438
●12.437	H	TPA2	23438
12.476	H	AfMag	26040
12.476	H	BBA	26040
12.476	H	BBC F	26040
12.476	H	ChO	26040
12.476	H	Disc	26040
12.476	H	MM1	26040
12.476	H	MM2	26040
12.476	H	MNetW	26040
12.476	H	Serie	26040
12.476	H	SS1	26040
12.476	H	SS3	26040
12.476	H	SSmax	26040
12.476	H	TBN	26040

EUT0W4EU

Freq GHz	Pol	Channel Name	Symbol rate
●12.175	L	TNV	4340
●12.175	L	TNV	4340
●12.207	R	Animal planet	27500
●12.207	R	CN TCM	27500
●12.207	R	Discovery	27500
●12.207	R	Euronews	27500
●12.207	R	Hallmark	27500
●12.207	R	MGM Test	27500
●12.207	R	NASN TEST	27500
●12.207	R	National Geographic	27500
●12.207	R	Nickelodeon	27500
●12.207	R	RBC TV	27500
●12.207	R	Reserv	27500
●12.207	R	Test3	27500
●12.207	R	Travel	27500
●12.207	R	RUTV	27500
●12.226	L	DTV Viasat	27500
●12.226	L	RenTV	27500
●12.226	L	Вести	27500
●12.226	L	Звезда	27500
●12.226	L	Культура	27500
●12.226	L	Муз-ТВ	27500
●12.226	L	НТВ	27500
●12.226	L	Первый	27500
●12.226	L	Петербург - 5 канал	27500
●12.226	L	Россия	27500
●12.226	L	Спорт	27500
●12.226	L	ТВ Центр	27500
●12.226	L	ТВ3	27500
●12.226	L	ТНТ	27500
●12.226	L	Триколор ТВ	27500
●12.226	L	DRE	27500

Freq GHz	Pol	Channel Name	Symbol rate
●12.245	R	BBC World	27500
●12.245	R	Bloomberg	27500
●12.245	R	REN-TV	27500
●12.245	R	Russia Today	27500
●12.245	R	TV SALE	27500
●12.245	R	TV5	27500
●12.245	R	World Fashion	27500
●12.245	R	Кинохит	27500
●12.245	R	МНОГОсерийное ТВ	27500
●12.245	R	НТВ Мир	27500
●12.245	R	Наше новое кино	27500
●12.265	L	HD-Кино	27500
●12.265	L	HD-Life	27500
●12.265	L	HD-Спорт	27500
●12.265	L	HD-ТЕСТ	27500
●12.265	L	010D010B0F	27500
●12.303	L	ТВ3	27500
●12.303	L	Веселое ТВ	27500
●12.303	L	Индия ТВ	27500
●12.303	L	Кинопоказ	27500
●12.303	L	7TV	27500
●12.303	L	A-ONE	27500
●12.303	L	Bridge TV	27500
●12.303	L	Style	27500
●12.303	L	Союз	27500
●12.303	L	AvtoRadio	27500
●12.303	L	Energia	27500
●12.303	L	Yumor-FM	27500
●12.303	L	Воскресение	27500
●12.303	L	Новый день	27500
●12.303	L	IP/DVB service1	27500
●12.303	L	RMT_3/4_8MS	27500
●12.322	R	Спорт 1	27500
●12.322	R	365 дней ТВ	27500
●12.322	R	Blue Hustler	27500
●12.322	R	Детский мир/Телеклуб	27500
●12.322	R	Киноклуб	27500
●12.322	R	Первый	27500
●12.322	R	Премьера	27500
●12.322	R	Спорт 2	27500
●12.322	R	Инфоканал	27500
●12.360	R	1TV UA	27500
●12.360	R	Channel Ukraine tes	27500
●12.360	R	CNN	27500
●12.360	R	Detsky Mir-Teleclub	27500
●12.360	R	Feed	27500
●12.360	R	M1	27500
●12.360	R	Reserv1	27500
●12.360	R	RTVI	27500
●12.360	R	Test10	27500
●12.360	R	Test4	27500
●12.360	R	Test5	27500
●12.360	R	1-Muz BY test	27500
●12.360	R	O2TV test	27500
●12.360	R	Smash TV	27500
●12.380	L	Animal Planet	27500
●12.380	L	Discovery	27500
●12.380	L	Eurosport	27500
●12.380	L	Nickelodeon	27500
●12.380	L	Zone Romantica	27500
●12.380	L	Авто Плюс	27500
●12.380	L	Боец ТВ	27500
●12.380	L	Муз ТВ	27500
●12.380	L	НСТ	27500
●12.380	L	Наше кино	27500
●12.380	L	Ностальгия	27500
●12.380	L	РТР-Спорт	27500
●12.399	R	24ДОК	27500
●12.399	R	MTV Russia	27500
●12.399	R	Бульвар ТВ	27500
●12.399	R	Вести	27500
●12.399	R	Звезда	27500
●12.399	R	Киносоюз	27500
●12.399	R	Культура	27500
●12.399	R	НТВ	27500
●12.399	R	Россия	27500
●12.399	R	СТС-Москва	27500
●12.399	R	Спас	27500
●12.399	R	ТНТ	27500
●12.399	R	Relax FM	27500
●12.399	R	Эхо Москвы	27500
●12.418	L	3 канал	27500
●12.418	L	Eurosport 2	27500
●12.418	L	Rusiya Al-Yaum	27500
●12.418	L	VH-1 Russia	27500
●12.418	L	Бибигон	27500
●12.418	L	Время: далекое и бли	27500
●12.418	L	Дом Кино	27500
●12.418	L	Интересное ТВ	27500
●12.418	L	Кухня ТВ	27500
●12.418	L	МИР	27500
●12.418	L	Музыка Первого	27500
●12.418	L	Первый МЕТЕО	27500
●12.418	L	Первый канал. Всемир	27500
●12.418	L	Петербург - 5 канал	27500
●12.418	L	Теленяня	27500
12.456	L	Discovery Travel&Liv	27500
12.456	L	Hallmark	27500
12.456	L	Jetix	27500
12.456	L	Jetix Play	27500
12.456	L	Mezzo (Muzzik)	27500
12.456	L	Music Box	27500
●12.456	L	National Geographic	27500
12.456	L	РБК-ТВ	27500
12.456	L	Спорт on-line	27500
12.456	L	ТВЦ	27500
12.456	L	ТДК	27500
●12.476	R	Cartoon Network/TCM	27500
●12.476	R	CNN International	27500
●12.476	R	Discovery Civilisati	27500
●12.476	R	Discovery Science	27500
12.476	R	Euronews	27500
●12.476	R	Euronews	27500
●12.476	R	Extreme Sports	27500
●12.476	R	MCM	27500
●12.476	R	MGM int.	27500
●12.476	R	MTV Base	27500
●12.476	R	Nat Geo Wild	27500
●12.476	R	VH1 Classic	27500
●12.476	R	Zone Reality	27500

EUTSE1EU

Freq GHz	Pol	Channel Name	Symbol rate
●11.109	V	ARM 1	3418
●11.109	V	RD1 Radio ARMENIA	3418
12.521	H	LIDER TV AZERBAIJ	4340
●12.521	H	SKYTURK	4340
●12.532	H	SHOW TURK	4340
●12.541	H	LEONARDO WORLD	4330
●12.558	V	EURONEWS-AFRICA	8138
●12.558	V	EURONEWS-ASIA	8138
●12.558	V	EURONEWS MOBILE	8138
●12.611	V	JSC Contribution	5787

Freq GHz	Pol	Channel Name	Symbol rate
●12.111	L	Service 1 (SD)	26500
●12.111	L	Service 2 (SD)	26500
●12.111	L	Poverkhnost Test	26500
●12.111	L	Service 1 (HD)	26500
●12.111	L	Service 2 (HD)	26500
●12.511	H	KANAL A	4340
●12.511	H	Radyo A	4340

C-Band: PAKSAT 1
38.0 East

PAK001CB

Freq GHz	Pol	Channel Name	Symbol rate
3.622	H	Infomax	27900
● 3.883	H	Dtv	3333
● 3.888	H	PUNJAB TV	6200
● 3.888	H	STAR ASIA	6200
4.030	H	SUNBIZ	3255
4.055	H	Tandberg Service	3255
4.110	H	Business Plus	3255

PAK001CS

Freq GHz	Pol	Channel Name	Symbol rate
3.411	H	Virtual TV1	13000
3.411	H	Virtual TV2	13000
3.411	H	Virtual TV3	13000
3.411	H	Virtual TV4	13000
3.435	H	PTV Bolan	3255
3.800	H	Infomax	27900
3.864	H	Masala TV	3800

Freq GHz	Pol	Channel Name	Symbol rate
3.945	H	Play TV	4700
3.951	H	Haq TV	4340
3.961	H	Infomax	27900
3.970	H	METRO TV	3333
4.035	H	CITE Channel	3333
4.105	H	Labbaik TV	3333
4.120	H	Indus Vision	3305

HELLAS SAT 2 - Europe
39.0 East

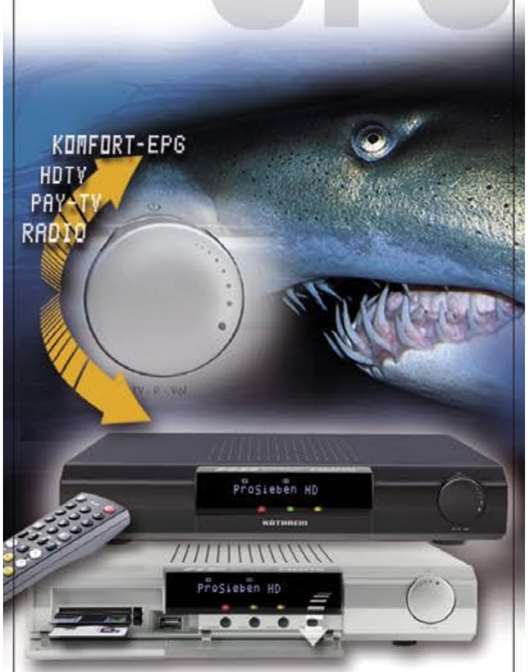
HEL002F1

Freq GHz	Pol	Channel Name	Symbol rate
12.524	H	Animal Planet	30000
12.524	H	bTV	30000
●12.524	H	Diema	30000
12.524	H	Diema 2	30000
12.524	H	Diema Extra	30000
12.524	H	Discovery Channel	30000
12.524	H	HBO	30000
12.524	H	Kanal 1	30000
12.524	H	National Geographic	30000
12.524	H	Nova TV	30000
12.524	H	Planeta TV	30000
12.524	H	Private Spice	30000
12.524	H	TV7	30000
12.524	V	4E HELLAS ORTHODO	30000
12.524	V	902 TV	30000
12.524	V	CYPRUS SAT	30000
●12.524	V	ERT world	30000
12.524	V	ESPERIA	30000
12.524	V	KANALI 10	30000
12.524	V	OPAP	30000
12.524	V	SAT LUX TV	30000
12.524	V	SGC-SGI PRESS ROO	30000
12.524	V	SKAI	30000
12.524	V	TELEASTY	30000
●12.524	V	TEST	30000
●12.524	V	TEST	30000
12.524	H	The Voice	30000
12.524	V	TV MAGIC	30000
12.524	V	VOULI	30000
12.524	V	902 FM	30000
●12.524	V	ANGEL RADIO	30000
12.524	V	ANT1	30000
12.524	V	ATHINA 9,84	30000
12.524	V	BEST 92,6	30000
12.524	V	CAPTAIN JACK	30000
12.524	V	CyBc A	30000
12.524	V	CyBc B	30000
12.524	V	DIAVLOS1	30000
12.524	V	EKK. ELLADOS	30000
12.524	V	EXTRA SPORT	30000
12.524	V	FLASH	30000
12.524	V	GALAXY	30000
12.524	V	HPEIROS 94,5	30000
12.524	V	John Greek	30000
12.524	V	Metropolis	30000
●12.524	V	NITRO	30000
12.524	V	OASIS	30000
12.524	V	PEIRAIKI EKKLISIA	30000
12.524	V	Radio D.J	30000
12.524	V	RADIO THESSALONIK	30000
12.524	V	RADIOASTY	30000
12.524	V	ROCK FM	30000
12.524	V	RYTHMOS	30000
12.524	V	Sat Lux Radio	30000
12.524	V	SFERA	30000
12.524	V	SKAI RADIO	30000
12.524	V	SPORT FM	30000
12.524	V	TOP FM RODOS	30000
12.524	V	TRITO	30000
12.524	H	DATAs	30000
12.524	V	INTERNET	30000
●12.556	H	BBT	13333
12.556	H	CNN	13333
12.556	H	Evropa TV	13333
12.556	H	Fashion TV	13333
12.556	H	Folklor TV	13333
12.556	H	GTV	13333
●12.556	H	MUTV/Chelsea TV	13333
●12.556	H	Perviy Kanal	13333
12.556	H	RTVi	13333
●12.556	H	Zone Reality	13333
12.574	H	ALFA	16640
12.574	H	BBC Prime	16640
●12.574	H	CNN/Horse Racing	16640
12.574	H	Eurosport	16640
12.574	H	Extra	16640
12.574	H	Free-X TV	16640
●12.574	H	Globe Documentaries	16640
●12.574	H	LTV	16640
●12.574	H	Sigma TV	16640
●12.574	H	TCM/Cartoon Network	16640
●12.574	H	Radio LGR	16640
12.647	H	Boomerang	30000
12.647	H	Discovery Civilizati	30000
12.647	H	Discovery Science	30000
12.647	H	Discovery Travel & L	30000
12.647	H	Eurocom BG	30000
12.647	H	Film Plus	30000
12.647	H	Free X TV	30000
●12.647	H	GTV	30000
12.647	H	M Sat	30000
12.647	H	TV Bulgaria	30000
●12.647	H	TV Evropa	30000
12.647	H	Zone Club	30000
12.647	H	Info Channel	30000
12.647	H	K8	30000
12.647	H	Kanal 3	30000
●12.647	H	MM	30000
12.647	H	Planeta Folk TV	30000
12.647	H	Skat TV	30000
●12.647	H	Super 7	30000
12.647	H	BG Radio	30000
●12.647	H	Darik Radio	30000
12.647	H	NRJ	30000
●12.647	H	radio Aurea	30000
12.647	H	radio Nova	30000
12.647	H	Retro Radio	30000
12.647	H	DATAs	30000
12.648	V	AXN CRIME	30000
12.648	V	Boomerang	30000
12.648	V	Cartoon Net/TCM	30000
12.648	V	CNN Intern.	30000
12.648	V	Euronews	30000
12.648	V	Free-X TV	30000
12.648	V	Free-X TV 2	30000
12.648	V	Hallmark	30000
12.648	V	Kanal D	30000
12.648	V	MTV 2	30000
12.648	V	MTV Base	30000
12.648	V	MTV Romania	30000
12.648	V	Private Spice	30000
12.648	V	Travel&Living	30000
12.688	H	AXN	30000
12.688	H	AXN Crime	30000
12.688	H	AXN Sci Fi	30000
12.688	V	Cinemax	30000
12.688	H	Cinemax	30000
12.688	H	City TV	30000
12.688	V	Civilization	30000
12.688	H	Diema Family	30000
12.688	H	Eurosport	30000
12.688	V	Eurosport	30000
12.688	H	Eurosport 2	30000
12.688	H	Explorer/Playboy TV	30000
12.688	V	Extreme Sports	30000
12.688	V	Fashion TV	30000
12.688	H	Hallmark	30000
12.688	V	HBO	30000
●12.688	H	HBO Comedy	30000
12.688	H	Hobby TV	30000
12.688	H	Jetix	30000
12.688	H	MTV Europe	30000
12.688	V	Nat. Geographic	30000
12.688	V	PRO Cinema	30000
12.688	V	TELESPORT	30000
12.688	V	TRACE	30000
12.688	V	Travel Channel	30000
12.688	H	TV1000	30000
12.688	H	TVRM	30000
●12.688	V	UTV	30000
12.688	V	VH 1	30000
12.688	H	VH1	30000
12.688	H	Viasat History	30000
12.688	H	M2	30000
●12.688	V	Taraf	30000
12.688	H	radio Atlantic	30000
12.688	H	radio Liani	30000
12.688	H	radio OMV	30000
12.688	H	radio Veselina E	30000
12.688	H	radio Veselina N	30000
12.688	H	radio Veselina W	30000
12.688	H	radio Vitosha E	30000
12.688	H	radio Vitosha W	30000
12.688	H	The Voice	30000
12.688	H	DATAs	30000
12.688	V	{Empty}	30000
●12.730	V	Baby TV	21080
12.730	V	Euro Channel	21080
●12.730	V	Jetix	21080
●12.730	V	KidsCo	21080
●12.730	V	Nickelodeon	21080
●12.730	V	Test Dolce 10	21080
12.730	V	Test Dolce 2	21080
12.730	V	Test Dolce 3	21080
●12.730	V	TVRM	21080
●12.730	V	Etno	21080
●12.730	V	Taraf	21080

HEL002F2

Freq GHz	Pol	Channel Name	Symbol rate
●10.956	V	GNET	4123
●10.956	V	GNET	4213

HDTV-Sat-Receiver UFS 910
Endlich mal was Scharfes sehen!



DVB S/S2 · HD TV · HDMI · KOMFORT EPG · CI · 16 Display · OSD · OTA · USB 2.0 · Dolby Digital · LINUX

Der neue **HDTV-Sat-Receiver UFS 910** kann sowohl hochauflösendes **(HDTV= High Definition Television)** als auch herkömmliches Fernsehen empfangen.

Das eingebaute Common Interface bietet Platz für die Aufnahme von zwei CA-Modulen für Pay-TV-Programme. Über das 16-stellige alphanumerische Display zeigt der Kathrein-Receiver den Programm-Namen des aktuell empfangenen Programmes an.

Weitere Austattungsmerkmale:

- HDMI-Ausgang für den Anschluss an ein HDTV-fähiges TV-Gerät
- YPbPr-Ausgang
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- Kathrein-Komfort-EPG mit Timer-Programmierung

KATHREIN-Werke KG
Postfach 10 04 44
Anton-Kathrein-Str. 1-3
D-83004 Rosenheim
Tel. 08031 184-0
Fax 08031 184-306
http://www.kathrein.de

KATHREIN
Antennen · Electronic

Freq GHz	Pol	Channel Name	Symbol rate
●10.956	V	MAD TV BULGARIA	4123
●10.956	V	MAD TV BULGARIA	4213
●10.956	V	MAD RADIO	4123
●10.956	V	MAD RADIO	4213
11.037	V	PTV	5210
11.037	V	CNBC Europe	5210
11.037	V	Hellas Sat STN Pro	5210

HEL002ME

Freq GHz	Pol	Channel Name	Symbol rate
11.512	H	FEED	27500
11.512	H	HTH	27500
11.512	H	KDRTRK	27500
11.512	H	KRT	27500
11.512	H	KULTURA	27500
11.512	H	TV BITA	27500
11.512	H	UBK	27500
11.512	H	UTR	27500
11.512	H	ZAGRAVA	27500
11.512	H	RUI2	27500
11.512	H	StudioChocolate	27500
11.512	H	StudioChocolate_2	27500
11.512	H	UR1	27500
11.512	H	UR2	27500
11.512	H	UR3	27500

HELLAS SAT 2 - South Africa
39.1 East

HEL002S1

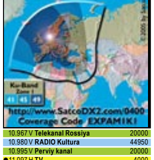
Freq GHz	Pol	Channel Name	Symbol rate
●12.524	H	Extreme Sports	30000
●12.524	V	Extreme Sports	30000
12.524	H	Audi	30000
12.524	V	Audi	30000
12.524	H	Boogaloos	30000
●12.524	V	Boogaloos	30000
12.524	H	BYU TV	30000
●12.524	V	BYU TV	30000
12.524	H	Catwalk Extreme	30000
●12.524	V	Catwalk Extreme	30000
●12.524	V	Checkers Checkout	30000
12.524	H	Checkers Checkout	30000
12.524	V	Christian TV	30000
12.524	H	Christian TV	30000
12.524	H	Education - Primary	30000
12.524	V	Education - Primary	30000
●12.524	V	Education - Secondar	30000
12.524	H	Education - Secondar	30000
●12.524	V	Education - Tertiary	30000
12.524	H	Education - Tertiary	30000
12.524	H	Fashion TV	30000
●12.524	V	Fashion TV	30000
●12.524	V	iPop TV	30000
●12.524	H	iPop TV	30000
●12.524	V	Juice TV	30000
●12.524	V	Lesotho Tourism	30000
12.524	H	Lesotho Tourism	30000
12.524	V	LG	30000
12.524	H	LG	30000
●12.524	V	Movie channel	30000
12.524	H	Movie channel	30000
12.524	H	Muslim TV	30000
●12.524	V	Muslim TV	30000
12.524	H	Nissan	30000
●12.524	V	Nissan	30000
●12.524	V	Primi TV	30000
12.524	H	Primi TV	30000
12.524	H	Rivers Church	30000
●12.524	V	Rivers Church	30000
12.524	H	Salon TV - Hair	30000
●12.524	V	Salon TV - Hair	30000
12.524	H	Samsung	30000
●12.524	V	Samsung	30000
12.524	H	Spar TV	30000
●12.524	V	Spar TV	30000
●12.524	V	TWC Channel	30000
12.524	H	TWC Channel	30000
●12.524	H	Xleague.TV	30000
12.524	H	Capitol Radio 604	30000
●12.524	V	Capitol Radio 604	30000
12.524	V	Radio 10	30000
12.524	H	Radio 10	30000
12.524	V	Radio 2	30000
12.524	H	Radio 2	30000
12.524	V	Radio 3	30000
12.524	H	Radio 3	30000
12.524	V	Radio 4	30000
12.524	H	Radio 4	30000
12.524	V	Radio 5	30000
12.524	H	Radio 5	30000
12.524	H	Radio 6	30000
●12.524	V	Radio 6	30000
12.524	V	Radio 7	30000
12.524	H	Radio 7	30000
12.524	V	Radio 8	30000
12.524	H	Radio 8	30000
12.524	V	Radio 9	30000
12.524	H	Radio 9	30000

EXPRESS AM1
40.0 East

EXPAM1C1

Freq GHz	Pol	Channel Name	Symbol rate
3.675	R	1kanalR+Mayak	33483
● 3.675	R	7TV_Podmoskov'e	33483
● 3.675	R	Dubl-4+RRD4	33483
3.675	R	Orbita-4R+Yunost	33483
● 3.675	R	Rossiya+RR	33483
3.675	R	Kultura+RVKultura	33483
3.675	R	Kultura-3	33483
● 3.675	R	Radio AI-10	33483
● 3.675	R	Radio AI-11	33483
● 3.675	R	Radio AI-3_AI-9	33483
● 3.675	R	Radio AI-8_AI-5	33483
3.675	R	Radio CH12	33483
3.675	R	Radio CH13	33483
● 3.675	R	Radio Kultura	33483
● 3.675	R	Radio Mayak	33483
● 3.675	R	Radio Rossii	33483
● 3.675	R	Radio RossiiD4	33483
● 3.675	R	Radio Yunost	33483
● 3.675	R	Data SMR_40	33483
● 3.771	R	SCOPUS-NET-TECH	3330
3.865	R	RGVK-DAGESTAN	4000
3.871	R	VAYNAH TV	4340
● 3.871	R	VAYNAH TV	4340
4.107	R	KRT	3215
4.112	R	GTRK-KURSK	4285
4.118	R	Tv43Region	3300
4.125	R	Planeta-1	3215
4.131	R	GTRK Kostroma	3219
4.135	R	GTRK Alania	3240
4.142	R	GTRK Orenburg	3219

EXPAM1K1



Freq GHz	Pol	Channel Name	Symbol rate
10.967	V	Telekanal Rossiya	20000
10.980	V	RADIO Kultura	44950
10.995	V	Perviy kanal	20000
●11.097	H	TV	4000
●11.097	H	FM	4000

C-Band: ASIASAT 2
100.5 East

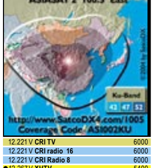
ASI002CB

Freq GHz	Pol	Channel Name	Symbol rate
● 3.637	H	2Way	6845
● 3.637	H	PCR	6845

Freq GHz	Pol	Channel Name	Symbol rate
● 3.650	H	CH_2	4000
● 3.650	H	CH_3	4000
● 3.650	H	CH_4	4000
● 3.650	H	CH_5	4000
● 3.650	H	CH_6	4000
● 3.650	H	CH_7	4000
● 3.650	H	CH_8	4000
● 3.650	H	CH_9	4000
● 3.650	H	ESG	4000
● 3.650	H	Service_name	4000
3.660	V	AL EMARAT	27500
3.660	V	AL-ALAM	27500
3.660	V	ALKASS	27500
3.660	V	IRIB3	27500
3.660	V	KUWAIT SPACE CHAN	27500
3.660	V	NILE NEWS	27500
3.660	V	PRESS TV PROMO	27500
3.660	V	EL BERNAMERG	27500
3.660	V	EL-QURAN EL-KARIM	27500
3.660	V	RADIO QURAN & MAA	27500
3.660	V	RADIO SARASARI	27500
3.660	V	RES-ASIASAT2	27500
● 3.687	V	OCCA 1 W3	6115
● 3.687	V	PBL SAT TES 24	6115
● 3.687	V	BKT 2	6115
● 3.687	V	IP-UPLINKS	6115
● 3.687	V	REACH PVU PLUS 1	6115
● 3.687	V	SSC-Occasional	6115
● 3.696	V	World Feed (World)	5635
● 3.696	V	World Feed ({Empty N	5635
● 3.705	H	UP4	4165
● 3.760	H	E! Asia	27500
● 3.760	H	E! Middle East	27500
● 3.767	V	AsiaPacific	6525
● 3.778	V	AJK-TV.	3333
● 3.784	V	SNG	6115
● 3.786	H	RTB INTERNATIONAL	6000
● 3.791	V	Shamshad TV	2444
3.799	H	APTN Feeds (APTN1	5632
3.820	V	Abu Dhabi TV	27500
3.820	V	Aljazeera Channel	27500
3.820	V	Libiya TV	27500
3.820	V	Oman TV	27500
3.820	V	Qatar TV	27500
3.820	V	Saudi Arabian TV 2	27500
3.820	V	Saudi TV	27500
3.820	V	Sharjah TV	27500
3.820	V	Sudan TV	27500
3.820	V	Syria TV	27500
3.820	V	Yemen TV	27500
3.820	V	EMIRATES FM	27500
3.820	V	Main General Program	27500
3.820	V	Oman Holy Quran	27500
3.820	V	Oman Radio	27500
3.820	V	Qatar Radio	27500
3.820	V	Radio Omdurman Holy	27500
3.820	V	Radio Quran	27500
3.820	V	Saudi Radio 1	27500
3.820	V	Sharjah FM	27500
3.820	V	Sudan Radio	27500
3.820	V	Voice of people	27500
3.820	V	Voice of Youth	27500
3.820	V	Yemen Radi 2	27500
3.820	V	Yemen Radio 1	27500
3.840	H	321 Tata 1	26840
3.840	H	322 Tata 2	26840
3.840	H	323 Timecode	26840
3.880	H	Ch. 340, Dedicated C	20400
3.880	H	Ch. 370, AS1-2, AS3-	20400
3.880	H	Ch. 371, AS1-2, AS5-	20400
3.880	H	Ch. 372, AS1-2, AS7-	20400
3.880	H	Ch. 373, AS3-4, AS5-	20400
3.880	H	Ch. 374, AS3-4, AS7-	20400
3.880	H	Ch. 375, AS5-6, AS7-	20400
3.880	H	Ch. 377, Closed Capt	20400
3.880	H	Ch. 378, AS1-8	20400
3.880	H	Ch. 380, AS9-10, AS1	20400
3.880	H	Ch. 381, AS9-10, AS1	20400
3.880	H	Ch. 382, AS9-10, AS1	20400
3.880	H	Ch. 383, AS11-12, AS	20400
3.880	H	Ch. 384, AS11-12, AS	20400
3.880	H	Ch. 385, AS13-14, AS	20400
3.880	H	Ch. 388, AS9-16	20400
3.880	H	Ch. 391, AS9-10, AS2	20400
3.880	H	Ch. 392, AS9-10, AS2	20400
3.880	H	Ch. 393, AS11-12, AS	20400
3.880	H	Ch. 394, AS11-12, AS	20400
3.880	H	Ch. 395, AS21-22, AS	20400
3.880	H	Ch. 398, AS17-24	20400
3.880	H	Ch. 401, AS25-26, AS	20400
3.880	H	Ch. 402, AS25-26, AS	20400
3.880	H	Ch. 403, AS27-28, AS	20400
3.880	H	Ch. 404, AS27-28, AS	20400
3.880	H	Ch. 405, AS29-30, AS	20400
3.880	H	Ch. 408, AS25-32	20400
3.880	H	Ch. 409, AS49-50, A	20400
3.880	H	Ch. 410, AS37-38, AS	20400
3.880	H	Ch. 8 - OS Downloa	20400
3.880	H	Ch. 9 - OS Downloa	20400
3.880	H	CHANNEL ONE	20400
3.880	H	411 RFA 1	20400
3.880	H	412 RFA 2	20400
3.880	H	413 RFA 3	20400
3.880	H	414 RFA 4	20400
3.880	H	Ch. 390, AS17-18, AS	20400
● 3.896	V	STTELEPORT	4415
● 3.905	H	Reuters WNS	4000
● 3.905	H	Opportunistic Data	4000
● 3.927	V	GlobeCast 41	5630
● 3.960	H	SATLINK	27500
● 3.960	H	VISION2	27500
● 3.960	H	PMI File W3	27500
● 3.960	H	PMI streaming W3	27500
3.980	V	511	28100
3.980	V	702 STAR PLUS	28100
3.980	V	704 STAR Movies	28100
3.980	V	707 STAR GOLD	28100
3.980	V	736 Adventure	28100
3.980	V	737 Adventure	28100
3.980	V	741 History/Adventur	28100
3.980	V	751 Star World India	28100
3.980	V	752 Channel [V] Indi	28100
3.980	V	754 STAR Plus Paki	28100
3.980	V	777 STAR One India	28100
3.980	V	800 Vijay India	28100
3.980	V	Adventure	28100
3.980	V	CHanneL [V]	28100
3.980	V	History/Adventure	28100
3.980	V	STAR Gold	28100
3.980	V	STAR Movies	28100
3.980	V	STAR One India	28100
3.980	V	STAR Plus	28100
3.980	V	STAR Plus	28100
3.980	V	STAR World	28100
3.980	V	VIJAY	28100
● 4.000	H	Cubavision	28125
● 4.000	H	RAI International	28125
● 4.000	H	RTPi	28125
● 4.000	H	RTR Planeta	28125
● 4.000	H	TVE	28125
● 4.000	H	RAI International As	28125
● 4.000	H	RAIRadio	28125
● 4.000	H	RDP Antena 1	28125
● 4.000	H	RDP Internacional	28125
● 4.000	H	REE	28125
● 4.000	H	RFI Cambodge	28125
● 4.000	H	RFI Francais	28125
● 4.000	H	RFI Kaboul	28125
● 4.000	H	RFI Langues1	28125
● 4.000	H	RFI Langues2	28125
● 4.000	H	RFI Musique	28125
● 4.000	H	RFI Worldspace	28125
● 4.000	H	RFI WS Ouest	28125
● 4.000	H	RFI WS Sud	28125
● 4.000	H	RNE Contribucion	28125
● 4.000	H	RNW	28125
● 4.000	H	WRN	28125
● 4.000	H	WRN Mul AAP	28125
● 4.000	H	YLESAT1	28125
● 4.000	H	YLESAT2	28125
● 4.050	V	Airbus SIA	6665
● 4.050	V	Fi01FRLBJ	6665
● 4.050	V	Nonthaburi E/S - TB.	6665
● 4.072	V	ASIA VISION	6665
● 4.094	V	AJA	6665
● 4.094	V	Fi02WSHT	6665
● 4.094	V	INANI.SNG	6665
● 4.105	V	ANI-BT TEST 23	6665
● 4.105	V	GBBBC Tx3	6665
4.148	V	BAR	11850
4.148	V	MACAU1	11850
4.148	V	MACAU2	11850
4.148	V	MACAU3	11850
4.148	V	MACAU4	11850
4.148	V	MACAU5	11850
● 4.160	H	GDTV	4678

ASIASAT 2
100.6 East

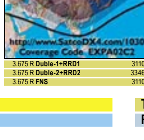
ASI002KU



Freq GHz	Pol	Channel Name	Symbol rate
12.221	V	CRI TV	6000
12.221	V	CRI radio 16	6000
12.221	V	CRI Radio 8	6000
●12.267	V	XHTV	5400

EXPESS A2,KAZSAT 1
103.0 East

EXPA02C2



Freq GHz	Pol	Channel Name	Symbol rate
3.675	R	Duble-1+RRD1	31100
3.675	R	Duble-2+RRD2	33469
3.675	R	FNS	31100

Freq GHz	Pol	Channel Name	Symbol rate
3.675	R	Orbita-1+Mayak	
3.675	R	Orbita-2+Yunost	33469
3.675	R	Kultura-1	31100
● 3.675	R	MuzTV_Love	31100
3.675	R	Radio Love	31100
3.675	R	Radio Maximum	31100
3.675	R	Radio Mayak	31100
3.675	R	Radio RussiaD1	31100

EXPA02KS

Freq GHz	Pol	Channel Name	Symbol rate
11.475	R	FNS	29800
●11.475	R	MuzTV_Love	29800
11.475	R	Radio Love	29800
●11.475	R	Radio Mayak	29800

C-Band: ASIASAT 3S
105.5 East

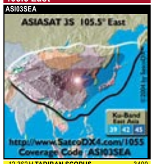
ASI03SCB

Freq GHz	Pol	Channel Name	Symbol rate
3.680	H	ccp download	26666
● 3.680	H	CH 2 625	26666
● 3.680	H	CH 3 625	26666
● 3.680	H	CH 5 625	26666
● 3.680	H	CETV-1	26666
● 3.680	H	CH 4 625	26666
● 3.680	H	CH 6 625	26666
3.700	V	MGM	27500
3.700	V	Test 2	27500
3.700	V	Z STUDIO	27500
3.700	V	Z TRENDZ	27500
3.700	V	ZEE CAFE	27500
3.700	V	ZEE M E	27500
3.700	V	ZEE MALAY	27500
3.700	V	Zee S E A	27500
3.706	H	CNAI NTSC	6000
3.706	H	CNAI PAL	6000
● 3.716	H	AD-HOC2	7000
● 3.716	H	AZIO_TV	7000
3.725	V	BTV WORLD	4450
● 3.730	H	Celestial CMV	13650
● 3.730	H	TVB8	13650
● 3.733	V	ACTION Cinema DTO	6500
● 3.733	V	CLASSIC Cinema DT	6500
● 3.733	V	PREMIER Cinema DT	6500
● 3.733	V	Test New DTO	6500
3.745	V	FASHION TV	2625
3.749	V	AAJ TV	2821
3.755	V	Service 1	4418
● 3.760	H	Eurosport Asia	26000
● 3.760	H	Eurosport Pacific	26000
● 3.760	H	EurosportNews	26000
● 3.760	H	Al Jazeera Internati	26000
● 3.760	H	Bloomberg	26000
● 3.760	H	DW-TV ASIA	26000
● 3.760	H	Muslim TV1	26000
● 3.760	H	Muslim TV2	26000
● 3.760	H	NOW	26000
● 3.760	H	Russia Today	26000
● 3.760	H	TV5	26000
● 3.760	H	DW-M	26000
● 3.760	H	DW01	26000
● 3.760	H	DW02	26000
● 3.760	H	DW04	26000
● 3.760	H	DW05	26000
● 3.760	H	DW06	26000
● 3.760	H	DW08	26000
● 3.760	H	DW09	26000
● 3.760	H	RFI Francais	26000
● 3.760	H	RFI Langues1	26000
● 3.780	V	505	28100
● 3.780	V	508	28100
● 3.780	V	701 FOX Sports	28100
● 3.780	V	708 Nat. Geo	28100
● 3.780	V	709 STAR News	28100
● 3.780	V	753 ESPN India Pak	28100
● 3.780	V	764 StarCont	28100
● 3.780	V	767 Movies ME	28100
● 3.780	V	773 Movies ME	28100
● 3.780	V	779 World ME	28100
● 3.780	V	780 World PH	28100
● 3.780	V	ESPN	28100
● 3.780	V	Nat. Geo	28100
● 3.780	V	STAR	28100
● 3.780	V	STAR Movies ME	28100
● 3.780	V	STAR World	28100
● 3.780	V	769 STAR Utsav	28100
● 3.780	V	STAR UTSAV	28100
● 3.786	H	NEWS ONE	5700
● 3.786	H	TV ONE	5700
● 3.786	H	Waseb TV	5700
● 3.792	H	Service 2	3000
● 3.840	H	790 STAR Chinese I	26850
3.840	H	609 Sky News	26850
3.840	H	610 Fox News	26850
● 3.840	H	750 [V] Taiwan	26850
● 3.840	H	756 STAR Chinese C	26850
● 3.840	H	757 Star Chinese Mov	26850
● 3.840	H	758 Star Movies	26850
● 3.840	H	759 Nat Geo T	26850
● 3.840	H	760 [V] TAIWAN	26850
● 3.840	H	761 Sky News	26850
● 3.840	H	762 Fox News	26850
3.840	H	FOX News	26850
3.840	H	Sky News	26850
● 3.860	V	401 ESPN Taiwan	27500
● 3.860	V	402 ESPN Taiwan	27500
● 3.860	V	405 ESPN Asia	27500
● 3.860	V	406 ESPN Asia	27500
● 3.860	V	407 ESPN Asia	27500
● 3.860	V	408 ESPN Asia	27500
● 3.860	V	410 STAR Sports So	27500
● 3.860	V	411 STAR Sports In	27500
● 3.860	V	412 STAR Sports In	27500
● 3.860	V	413 STAR Sports Ta	27500
● 3.860	V	414 STAR Sports Ta	27500
● 3.860	V	420 STAR Sports So	27500
● 3.860	V	423 STAR Cricket	27500
● 3.860	V	424 STAR Cricket	27500
● 3.860	V	441 STAR Sports	27500
● 3.860	V	442 STAR Sports	27500
● 3.860	V	481 STAR Sports	27500
● 3.860	V	482 STAR Sports	27500
● 3.860	V	705 STAR Sports	27500
● 3.860	V	706 STAR Sports	27500
● 3.860	V	717 STAR Cricket	27500
● 3.860	V	718 STAR Cricket	27500
● 3.860	V	ESPN Philippines	27500
● 3.860	V	ESPN Philippines	27500
● 3.860	V	STAR Cricket	27500
● 3.860	V	STAR Sports SEA	27500
● 3.860	V	409 STAR Sports So	27500
● 3.860	V	719 ESPN India	27500
● 3.860	V	720 ESPN India	27500
● 3.860	V	723 STAR Sports	27500
● 3.860	V	742 STAR Sports	27500
● 3.860	V	755 ESPN	27500
● 3.860	V	763 STAR Sports	27500
● 3.860	V	772 ESPN India	27500
● 3.860	V	792 ESPN India	27500
● 3.860	V	ESPN Asia	27500
● 3.860	V	ESPN India	27500
● 3.860	V	STAR Sports	27500
● 3.860	V	480 CUE	27500
3.920	H	20 STAR SPORTS AS	26850
● 3.920	H	201 ESPN Malaysia	26850
● 3.920	H	202 ESPN ASIA	26850
● 3.920	H	207 Star Sports Mala	26850
● 3.920	H	208 STAR Sports SE	26850
● 3.920	H	220 ESS CONT1	26850
3.920	H	222 ESPN CHINA	26850
● 3.920	H	224 ESS CONT2	26850
● 3.920	H	226 ESS CONT3	26850
3.940	V	787 Vijay US	28100
● 3.940	V	STAR News	28100
3.940	V	703 STAR PLUS ME	28100
3.940	V	785 STAR Plus ME	28100
3.940	V	786 STAR One	28100
3.940	V	788 STAR Chinese M	28100
3.940	V	789 STAR News HK	28100
● 3.940	V	791 STARCon	28100
● 3.940	V	STAR Plus	28100
3.960	H	Boomerang	27500
3.960	H	Boomerang SE Asia	27500
3.960	H	Cartoon Asia	27500
3.960	H	Cartoon Australia	27500
3.960	H	Cartoon Macau	27500
3.960	H	Cartoon Philippines	27500
3.960	H	Cartoon Taiwan	27500
3.960	H	CNNI Asia	27500
3.960	H	Newsource DNEW	27500
3.960	H	TCM Australia	27500
3.980	V	511	28100
3.980	V	702 STAR PLUS	28100
3.980	V	704 STAR Movies	28100
3.980	V	707 STAR GOLD	28100
3.980	V	736 Adventure	28100
3.980	V	737 Adventure	28100
3.980	V	741 History/Adventur	28100
3.980	V	751 Star World India	28100
3.980	V	752 Channel [V] Indi	28100
3.980	V	754 STAR Plus Paki	28100
3.980	V	777 STAR One India	28100
3.980	V	800 Vijay India	28100
3.980	V	Adventure	28100
3.980	V	CHanneL [V]	28100
3.980	V	History/Adventure	28100
3.980	V	STAR Gold	28100
3.980	V	STAR Movies	28100
3.980	V	STAR One India	28100
3.980	V	STAR Plus	28100
3.980	V	STAR Plus	28100
3.980	V	STAR World	28100
3.980	V	VIJAY	28100

Freq GHz	Pol	Channel Name	Symbol rate
4.000	H	604 Channel [V] Int'	26850
4.000	H	715 Ph'x Movies	26850
4.000	H	721 Movies Int'l	26850
4.000	H	726 Ph'x Info	26850
4.000	H	739 Movies Int'l	26850
4.000	H	743 Phoenix Chinese	26850
4.000	H	745 XING KONG	26850
4.000	H	747 Channel [V] Chin	26850
4.000	H	748 Star World Asia	26850
4.000	H	749 Star World	26850
4.000	H	765 Nat. Geo	26850
4.000	H	766 Channel [V] Int'	26850
4.000	H	771 Movies Int'l	26850
4.000	H	775 Movies Int'l	26850
4.000	H	776 Nat. Geo	26850
4.000	H	778 Xing Kong Region	26850
4.000	H	Channel [V] Int'l	26850
4.000	H	Nat. Geo	26850
4.000	H	STAR Movies Int'l	26850
4.000	H	STAR World	26850
4.000	H	Subtitle-Test.	26850
4.020	V	Sahara Filmi	27250
4.020	V	Sahara ONE	27250
4.020	V	Sahara BIH	27250
4.020	V	Sahara MP	27250
4.020	V	Sahara MUM	27250
4.020	V	Sahara NAT	27250
4.020	V	Sahara NCR	27250
4.020	V	Sahara RAJ	27250
4.020	V	Sahara UP	27250
● 4.020	V	SaharaTV	27250
● 4.091	V	ATV	13330
● 4.091	V	AVT Khyber	13330
● 4.091	V	PTV world	13330
● 4.091	V	PTV1	13330
● 4.091	V	Radio Pakistan 1	13330
● 4.091	V	Radio Pakistan 2	13330
4.094	H	SUNTV CH1	5555
● 4.102	V	PTV USA-UK	2895
4.110	H	Celestial CMC	13650
4.110	H	MATV	13650
4.110	H	Xing He	13650
4.110	H	i-Horizon	13650
● 4.111	V	PTV-K FEED	9330
● 4.111	V	Ptv-K LAT	9330
● 4.111	V	INDUS NEWS	9330
● 4.111	V	Ptv National	9330
● 4.111	V	Radio Pakistan 1	9330
● 4.140	V	ZEE BANGLA	27500
● 4.140	V	ZEE BUSINESS	27500
● 4.140	V	ZEE CINEMA	27500
● 4.140	V	ZEE GUJRATI	27500
● 4.140	V	ZEE MARATHI	27500
● 4.140	V	ZEE PUNJABI	27500
● 4.140	V	ZEE NEWS	27500
● 4.140	V	ZEE TV - NEW	27500
● 4.140	V	ZEE MUSIC	27500
● 4.140	V	ZEE SMILE	27500

ASIASAT 3S
105.6 East

ASI03SEA



Freq GHz	Pol	Channel Name	Symbol rate
12.362	H	TADIRAN SCOPUS	3400
●12.394	H	Data vservice	3996
12.474	H	Data vservice	19984
●12.595	H	Data vservice	4996

ASI03SSA

Freq GHz	Pol	Channel Name	Symbol rate
12.353	V	IRIB3	30000
●12.353	V	IRIBQURAN	30000
12.353	V	IRIBTV1	30000
12.353	V	IRIBTV2	30000
12.353	V	IRIBTV3	30000
12.353	V	IRIBTV4	30000
12.353	V	IRIBTV5	30000
12.353	V	IRINN	30000
12.353	V	PRESS TV	30000
12.353	V	SAHAR	30000
●12.353	V	RADIO FARHANG VAR	30000
12.353	V	RADIO JAVAN	30000
12.353	V	RADIO PAYAM	30000
●12.353	V	RADIO QURAN MAARE	30000
12.353	V	RADIO SARASARI	30000
12.353	V	SEDAYE ASHNA	30000
●12.378	V	HAMOON	4000
●12.460	V	IRIB KERMAN	7600
●12.471	V	TAMADON TV	2900

CAKRAWARTA 1
107.7 East

CAK001SB

Freq GHz	Pol	Channel Name	Symbol rate
● 2.535	H	[V] Int'l	20000
2.535	H	AFC	20000
2.535	H	Animax	20000
● 2.535	H	Australia Network	20000
● 2.535	H	Cartoon Network	20000
2.535	H	Celestial Movies	20000
2.535	H	Disc.Travel & Living	20000
2.535	H	ESPN	20000
2.535	H	Indosiar	20000
● 2.535	H	KBS World	20000
2.535	H	MNC Music Channel	20000
2.535	H	MTV Asia	20000
2.535	H	Nat'l Geographic	20000
● 2.535	H	Nickelodeon	20000
● 2.535	H	Playhouse Disney	20000
● 2.535	H	Quick Channel	20000
2.535	H	RCTI	20000
2.535	H	STAR World	20000
● 2.535	H	Swara	20000
● 2.535	H	TBN/U Chnl Trial	20000
● 2.535	H	Test	20000
● 2.535	H	Test	20000
● 2.535	H	TVRI	20000
● 2.535	H	Vision3 Baby	20000
● 2.535	H	BBC World Service	20000
● 2.535	H	Radio Kis FM	20000
● 2.535	H	Radio Woman	20000
● 2.535	H	RadioNet Mandiri	20000
2.566	H	Australia Network	20000
2.566	H	Cartoon Network	20000
2.566	H	KBS World	20000
2.566	H	Nickelodeon	20000
2.566	H	Playhouse Disney	20000
2.566	H	Quick Channel	20000
2.566	H	Swara	20000
2.566	H	TBN/U Chnl Trial	20000
● 2.566	H	Test	20000
2.566	H	TVRI	20000
2.566	H	Vision3 Baby	20000
2.596	H	ANTV	20000
2.596	H	AXN	20000
2.596	H	BBC World	20000
2.596	H	CNNI	20000
2.596	H	Discovery	20000
2.596	H	Eurosport	20000
2.596	H	Hallmark	20000
2.596	H	HBO	20000
2.596	H	HBO Signature	20000
2.596	H	NHK World Premium	20000
2.596	H	Vision1 Sports	20000
2.596	H	Vision2 Drama	20000
2.596	H	Radio ARH Global	20000
2.596	H	Radio Mustang	20000
2.596	H	Radio PAS FM	20000
2.596	H	Radio Pelita Kasih	20000
2.596	H	Radio Ramako	20000
2.596	H	Radio SMART FM	20000
2.596	H	Radio Trijaya	20000
2.625	H	Animal Planet	20000
2.625	H	Asia Plus	20000
2.625	H	Cinemax	20000
2.625	H	CNBC Asia	20000
2.625	H	Disney Channel	20000
2.625	H	E!	20000
2.625	H	MNC Ent.	20000
2.625	H	SETI	20000
2.625	H	STAR Movies	20000
2.625	H	STAR Sports	20000
2.625	H	Stock Watch	20000
2.625	H	Trans 7	20000
2.625	H	TVB Xing He	20000
● 2.625	H	Vision1 Sports	20000
2.625	H	Radio Australia	20000
2.625	H	Radio El-Shinta	20000
2.625	H	Radio Sonora	20000
2.625	H	Voice Of America	20000
● 2.655	H	Al Jazeera Int'l	17000
2.655	H	Fashion TV	17000
2.655	H	Global TV	17000
2.655	H	Metro TV	17000
2.655	H	MNC News	17000
2.655	H	SCTV	17000
2.655	H	TPI	17000
2.655	H	Trans TV	17000
● 2.655	H	Vision1 Sports	17000
● 2.655	H	Radio Hard Rock FM	17000
● 2.655	H	Radio I-Radio	17000
● 2.655	H	Radio RFI	17000
● 2.655	H	Radio Trax FM	17000

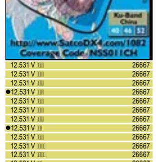
C-Band: TELKOM 1
108.0 East

TEK001CB

Freq GHz	Pol	Channel Name	Symbol rate
3.460	H	410 STAR Sports So	28000
3.460	H	Al Jazeera Internati	28000
3.460	H	APL South East Asi	28000
3.460	H	AXN	28000
3.460	H	Bloomberg	28000
3.460	H	CH1 REGIONAL	28000
3.460	H	DTL South East Asi	28000
3.460	H	Hallmark	28000
3.460	H	MTV Asia	28000
3.460	H	Nick NZ	28000
3.460	H	STAR World	28000
● 3.500	H	AFC	28000
● 3.500	H	Animax	28000
● 3.500	H	AXN	28000
● 3.500	H	BBC	28000
● 3.500	H	Celestial	28000
● 3.500	H	Discovery RT	28000
● 3.500	H	Discovery Travel	28000
● 3.500	H	Disney	28000
● 3.500	H	E!	28000
● 3.500	H	ESPN	28000
● 3.500	H	Fashion TV	28000
● 3.500	H	Hallmark	28000
● 3.500	H	HBO Signature	28000
● 3.500	H	Phoenix	28000
● 3.500	H	Ten Sport	28000
● 3.500	H	Telkomvision	28000
3.509	V	RCTI	4665
● 3.580	H	Animal Plnt	28000
● 3.580	H	Cartoon	28000
● 3.580	H	Channel [V]	28000
● 3.580	H	Cinemax	28000
● 3.580	H	CNBC	28000
● 3.580	H	CNN	28000
● 3.580	H	Discovery	28000
● 3.580	H	HBO	28000
● 3.580	H	MGM	28000
● 3.580	H	MTV	28000
● 3.580	H	NGC	28000
● 3.580	H	NHK	28000
● 3.580	H	Nickleodeon	28000
● 3.580	H	Star Movie	28000
● 3.580	H	Star Sports	28000
● 3.580	H	Star World	28000
3.600	V	Data Service	25145
● 3.776	H	Feeds	4285
3.786	H	Feeds (TV E)	3000
3.795	H	Feeds (TELKOM IND	3000
3.898	H	Trijaya FM Network	2000
3.985	H	Feeds (9MHz, PAL,	6000
● 3.990	H	News Feeds (Tandberg	6000
● 4.005	H	Feeds (JAYAPURA*T	6000
● 4.014	H	RO BANDA ACEH	6000
● 4.014	H	SB-MAKASSAR	6000
● 4.027	H	Feeds (DSNG BIRO	3000
4.066	H	LATIVI NETWORK	4685
4.075	H	TV7-Network	6000
4.085	H	TransTV_Test1	6000
4.095	H	JTV Soeroboyo Rek	3123
4.130	V	Service Name	2100

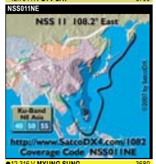
NSS 11
108.2 East

NSS011CH



Freq GHz	Pol	Channel Name	Symbol rate
12.531	V	[illegible]	26667
12.531	V	[illegible]	26667
12.531	V	[illegible]	26667
●12.531	V	[illegible]	26667
12.531	V	[illegible]	26667
12.531	V	[illegible]	26667
12.531	V	[illegible]	26667
●12.531	V	[illegible]	26667
12.531	V	[illegible]	26667
12.531	V	[illegible]	26667
12.531	V	[illegible]	26667
12.531	V	[illegible]	26667
12.531	V	[illegible]	26667
12.531	V	[illegible]	26667
12.531	V	[illegible]	26667
12.531	V	[illegible]	26667
●12.531	V	[illegible]	26667
12.611	V	[illegible]	26667
12.611	V	[illegible]	26667
12.611	V	[illegible]	26667
12.611	V	[illegible]	26667
12.611	V	[illegible]	26667
12.611	V	[illegible]	26667
12.611	V	[illegible]	26667
12.611	V	[illegible]	26667
●12.611	V	[illegible]	26667
●12.611	V	[illegible]	26667
●12.611	V	[illegible]	26667
●12.611	V	[illegible]	26667
●12.611	V	[illegible]	26667
●12.611	V	[illegible]	26667
●12.611	V	[illegible]	26667
●12.611	V	[illegible]	26667
●12.611	V	[illegible]	26667
●12.689	V	[illegible]	26667
12.689	V	[illegible]	26667
12.689	V	[illegible]	26667
12.689	V	[illegible]	26667
12.689	V	[illegible]	26667
12.689	V	[illegible]	26667
●12.689	V	[illegible]	26667
●12.689	V	[illegible]	26667
●12.689	V	[illegible]	26667
●12.689	V	[illegible]	26667
●12.689	V	[illegible]	26667
●12.689	V	[illegible]	26667
●12.689	V	[illegible]	26667
12.689	V	[illegible]	26667
12.689	V	[illegible]	26667
12.689	V	[illegible]	26667
12.689	V	[illegible]	26667
12.704	H	FGTV SAT	3700

NSS011NE



Freq GHz	Pol	Channel Name	Symbol rate
●12.316	V	MYUNG SUNG	3680
12.411	V	JBS	11110
●12.411	V	WB-TV	11110
12.411	V	ZAMJARI 1	11110
12.411	V	ZAMJARI 2	11110
12.411	V	LGCC-DigitalNlink	11110

NSS011SA

Freq GHz	Pol	Channel Name	Symbol rate
12.271	H	ASHIRWAD	30000
●12.271	H	{Empty}	30000
●12.271	H	{Empty}	30000
●12.327	H	{Empty}	5003
12.473	H	IP/DVB Service 900	3355
12.473	H	RCS Map Table 60	3355

BSAT 1A,2A
110.0 East

BSA01AKB

Freq GHz	Pol	Channel Name	Symbol rate
11.804	R	Wowow	
11.843	R	NHK BS-1	
11.881	R	NHK Hi-Vision	
11.919	R	NHK BS-2	

BSA02AKB

Freq GHz	Pol	Channel Name	Symbol rate
11.727	R	BS Asahi (Ch 151)	
11.727	R	BS Asahi (Ch 152)	
11.727	R	BS Asahi (Ch 153)	
11.727	R	BS-i	
11.766	R	Wowow	
11.766	R	Wowow 2	
11.766	R	BS Japan	
11.766	R	St.Giga	
11.766	R	BSJ Radio	
11.958	R	BS Fuji	
11.958	R	BS Nippon	
11.958	R	BS NTV Radio 2	
11.958	R	BSQR 489	
11.958	R	Healing Station	
11.958	R	LFX 488	
11.996	R	BS Asahi	
11.996	R	Star Channel	
11.996	R	NHK BS-1	
11.996	R	NHK BS-2	
11.996	R	B & M 318	
11.996	R	Blooming 316	
11.996	R	JFN Satellite Radio	
11.996	R	JFN Satellite Radio	
11.996	R	JFN Satellite Radio	
11.996	R	JFN Satellite Radio	
11.996	R	Opera My Seat	
11.996	R	World Tour Station	

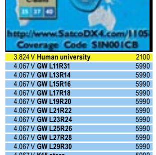
JCSAT 110
110.1 East

JCS110KB

Freq GHz	Pol	Channel Name	Symbol rate
12.291	R	Plat One Promo	
12.291	R	60s/70s Rock & Pops	
12.291	R	80s/90s Rock & Pops	
12.291	R	Beatles	
12.291	R	Borderless	
12.291	R	C&W	
12.291	R	Cafés Sound	
12.291	R	Fusion	
12.291	R	Healing	
12.291	R	J-Pop Classic	
12.291	R	J-Pop Hits	
12.291	R	Kids	
12.291	R	Latin	
12.291	R	Nippon Song	
12.291	R	R&B Soul	
12.291	R	Right Classic	
12.291	R	Rock & Pops Best Hit	
12.291	R	Soundteria	
12.291	R	Soundtrack	
12.291	R	Strings	
12.291	R	Swing	
12.331	R	Cartoon Network Japa	
12.331	R	Fighting TV Samurai!	
12.331	R	Fox Channel	
12.331	R	Space Shower TV	
12.331	R	Sky Perfect TV Promo	
12.371	R	AXN Japan	
12.371	R	Channel Neco	
12.371	R	Cinefil Imagica	
12.371	R	Eisei Gekijo	
12.371	R	Nihon Eiga	
12.371	R	Super Channel	
12.371	R	Toei Channel	
12.411	R	EP 56	
12.411	R	EP Promo	
12.451	R	BBTV	
12.451	R	Belmeson TV	
12.451	R	Wowow PPV1	
12.451	R	Wowow PPV2	
12.451	R	Wowow PPV3	
12.451	R	Wowow PPV4	
12.491	R	Asahi NewStar	
12.491	R	BBC World	
12.491	R	CNN International As	
12.491	R	Comin' Soon TV	
12.491	R	FavoriTV	
12.491	R	MTV Japan	
12.491	R	The Golf Channel	
12.531	R	J Sky Sports 1	
12.531	R	J Sky Sports 2	
12.531	R	J Sky Sports 3	
12.531	R	Sky A	
12.531	R	Sports-i ESPN	
12.531	R	Active! Sports Chann	
12.551	L	U-One TV	29915
12.551	L	SCC Promo	29915
12.571	R	AT-X	
12.571	R	CSN 1 Movie Channel	
12.571	R	Takarazuka Sky Stage	
12.571	R	The History Channel	
12.571	R	Takarazuka Sky Stage	
12.611	R	Golf Network	
12.611	R	LaLa TV	
12.611	R	Nikkei CNBC	
12.611	R	Shop Channel	
12.651	R	Animal Planet Japan	
12.651	R	Animax	
12.651	R	Discovery Channel Ja	
12.651	R	Fuji TV 721	
12.651	R	Fuji TV 739	
12.691	R	Family Gekijyo	
12.691	R	Kids Station	
12.691	R	TBS Channel	
12.691	R	Viewsic	
12.691	R	C-TBS Welcome Chan	
12.691	R	QVC Japan	
12.730	R	Bloomberg TV Japan	
12.730	R	Data College	
12.730	R	DPSTV	
12.730	R	G + Sport&News	
12.730	R	Music Japan TV	
12.730	R	NNN 24	
12.730	R	Science Channel	

SINOSAT 1
110.5 East

SIN001CB



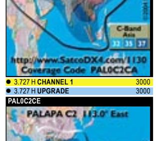
Freq GHz	Pol	Channel Name	Symbol rate
3.824	V	Human university	2100
4.067	V	GW L11R31	5990
4.067	V	GW L13R14	5990
4.067	V	GW L15R16	5990
4.067	V	GW L17R18	5990
4.067	V	GW L19R20	5990
4.067	V	GW L21R22	5990
4.067	V	GW L23R24	5990
4.067	V	GW L25R26	5990
4.067	V	GW L27R28	5990
4.067	V	GW L29R30	5990
4.067	V	K15 stereo	5990
4.067	V	Lzh5 Rzh6	5990
4.067	V	Lzh8 Rdjy	5990
4.067	V	SW1 stereo	5990
4.067	V	SW2 stereo	5990
4.067	V	ZH1 stereo	5990
4.067	V	ZH2 stereo	5990
4.067	V	ZH3 stereo	5990
4.067	V	ZH7 stereo	5990
4.067	V	zh7-2 Stereo	5990

SIN001KB

Freq GHz	Pol	Channel Name	Symbol rate
12.320	V	[V]	41518
12.320	V	BLOOM	41518
12.320	V	EUROS	41518
12.320	V	MAS	41518
12.320	V	MTV	41518
12.320	V	PHOEC	41518
12.320	V	PHOEN	41518
12.320	V	STARS	41518
12.320	V	SUN	41518
12.320	V	TV5	41518
12.320	V	XINGK	41518
12.380	V	CCTV-1	41518
12.380	V	CCTV-10	41518
12.380	V	CCTV-11	41518
12.380	V	CCTV-12	41518
12.380	V	CCTV-2	41518
12.380	V	CCTV-5	41518
12.380	V	CCTV-6	41518
12.380	V	CCTV-7	41518
12.380	V	CCTV-8	41518
12.380	V	CCTV-K	41518
12.380	V	CNR-1	41518
12.380	V	CNR-2	41518
12.380	V	CNR-3	41518
12.380	V	CNR-4	41518
12.380	V	CNR-5	41518
12.380	V	CNR-6	41518
12.380	V	CNR-7	41518
12.380	V	CRI	41518
12.440	V	CQTV	41518
12.440	V	GSTV	41518
12.440	V	GZTV	41518
12.440	V	HENTV	41518
12.440	V	HUNTV	41518
12.440	V	LIVE1	41518
12.440	V	NMTV	41518
12.440	V	QHTV	41518
12.440	V	SCTV	41518
12.440	V	SHXTV	41518
12.440	V	YNTV	41518
12.440	V	NMHR	41518
12.440	V	NMMR	41518
12.440	V	RAD_1	41518
12.440	V	RAD_2	41518
12.440	V	XJHR	41518
12.440	V	XJWR	41518
12.440	V	XZHR	41518
12.440	V	XZZR	41518
12.440	V	BisData	41518
12.440	V	EEPG	41518
12.440	V	MAG	41518
12.500	V	AXN	41518
12.500	V	CIN	41518
12.500	V	CNBC	41518
12.500	V	CNN	41518
12.500	V	DIS	41518
12.500	V	EAST	41518
12.500	V	ESPN	41518
12.500	V	HALL	41518
12.500	V	HBO	41518
12.500	V	NGC	41518
12.500	V	STAR1	41518
12.560	V	BBC	41518
12.560	V	CELES	41518
12.560	V	CETV	41518
12.560	V	CNAI	41518
12.560	V	CUBA	41518
12.560	V	HOR	41518
12.560	V	NHK	41518
12.560	V	NOW	41518
12.560	V	PHOE1	41518
12.560	V	TVB	41518
12.560	V	TVB8	41518
●12.622	V	Reserve	32550
12.622	V	CETV-1	32550
12.622	V	CETV-2	32550
12.622	V	CETV-Sky	32550

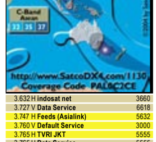
C-Band: PALAPA C2
112.9 East

PAL0C2CA



Freq GHz	Pol	Channel Name	Symbol rate
● 3.727	H	CHANNEL 1	3000
● 3.727	H	UPGRADE	3000

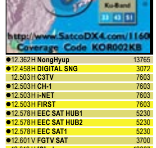
PAL0C2CE



Freq GHz	Pol	Channel Name	Symbol rate
3.632	H	indosat net	3660
3.727	V	Data Service	6618
3.747	H	Feeds (Asialink)	5632
3.760	V	Default Service	3000
3.765	H	TVRI JKT	5555
3.765	H	Data Service	5555
3.773	H	Feeds	5000
3.774	H	rcti	6523
3.840	H	TVRI	
● 3.841	H	CCTV-1	27500
● 3.841	H	CCTV-10	27500
● 3.841	H	CCTV-11	27500
● 3.841	H	CCTV-12	27500
● 3.841	H	CCTV-2	27500
● 3.841	H	CCTV-7	27500
● 3.841	H	CCTV-MUSIC	27500
3.841	H	test	27500
● 3.841	H	Skystream data	27500
3.878	V	Feeds	6000
● 3.926	H	Service 1	4208
● 3.926	H	Service 2	4208
● 3.934	H	SCTV	6620
● 3.936	V	MNC INTERNATIONAL	3000
3.977	H	Data Service	2539
4.056	V	ANTEVE	6510
4.075	V	Indosiar Channal	6500
● 4.075	V	Audio Elsinta	6500
● 4.082	H	CH10	28125
● 4.082	H	CH11	28125
● 4.082	H	CH3	28125
● 4.082	H	CH5	28125
● 4.082	H	CH6	28125
● 4.082	H	CH7	28125
● 4.082	H	Global TV	28125
● 4.082	H	MetroTV	28125
● 4.082	H	Spacetoon	28125
● 4.082	H	68H	28125
● 4.082	H	BBC	28125
● 4.082	H	Delta FM1	28125
● 4.082	H	Delta2 FM	28125
● 4.082	H	POP FM	28125
● 4.082	H	Pro2 FM	28125
4.185	V	TPI TV	6700
4.185	V	RADIO DANGDUT TPI	6700

KOREASAT 2
113.1 East

KOR002KB



Freq GHz	Pol	Channel Name	Symbol rate
●12.362	H	NongHyup	13765
●12.458	H	DIGITAL SNG	3072
12.503	H	C3TV	7603
●12.503	H	CH-1	7603
●12.503	H	i-NET	7603
●12.503	H	FIRST	7603
●12.578	H	EEC SAT HUB1	5230
●12.578	H	EEC SAT HUB2	5230
●12.578	H	EEC SAT1	5230
●12.601	V	FGTV SAT	3700
12.619	H	[S]-ch	12297
12.619	H	haoTV	12297
12.619	H	SBC	12297
●12.661	H	MBC CM	3300
●12.730	H	Living TV	28200
●12.730	H	Medi TV	28200
●12.730	H	SkyCast 06	28200
●12.730	H	SkyCast 07	28200
●12.730	H	SkyCast 08	28200
●12.730	H	SkyCast 09	28200
●12.730	H	SkyCast 1	28200
●12.730	H	SkyCast 10	28200
●12.730	H	SkyCast 11	28200
●12.730	H	SkyCast 12	28200
●12.730	H	SkyCast 2	28200
●12.730	H	SkyCast 4	28200

CHINASAT 6B
115.5 East

CHI06BCB

Freq GHz	Pol	Channel Name	Symbol rate
● 3.706	H	FujianRadio1	4420
● 3.706	H	FujianRadio1	4420
● 3.706	H	FujianTV1	4420
● 3.706	H	FujianTV1	4420
● 3.730	H	PhoC	10715
● 3.730	H	PhoI	10715
● 3.730	H	PhoM	10715
● 3.740	V	HD	27500
● 3.740	V	CHC	27500
● 3.740	V	CMC	27500
● 3.740	V	MOTION	27500
● 3.750	H	hnstv	10490
● 3.750	H	jykaton	10490
● 3.750	H	hnjj	10490
● 3.750	H	hnjt	10490
● 3.750	H	hnwy	10490
● 3.750	H	hnxw	10490
● 3.750	H	{Empty}	10490
● 3.750	H	{Empty}	10490
● 3.750	H	{Empty}	10490
● 3.750	H	{Empty}	10490
● 3.769	V	DONGMAM1	9260
● 3.769	V	FOOD	9260
● 3.769	V	FOOTBALL1	9260
● 3.771	H	CCTV E	9370
● 3.771	H	CCTV F	9370
● 3.771	H	CCTV-4	9370
● 3.771	H	CCTV-9	9370
● 3.786	H	sichuan	5440
● 3.786	H	scgb1	5440
● 3.786	H	scgb2	5440
● 3.786	H	scgb3	5440
● 3.786	H	scgb4	5440
● 3.786	H	scgb5	5440
● 3.786	H	scgb6	5440
● 3.786	H	scgb7	5440
● 3.796	H	GZTV	6930
● 3.796	H	GZ-DSGB	6930
● 3.796	H	GZ-JJGB	6930
● 3.796	H	GZ-JTGB	6930
● 3.796	H	GZ-XWZHGB	6930
● 3.796	H	GZ-YYGB	6930
● 3.807	V	ChongqingTV	6000
● 3.807	V	Audio1	6000
● 3.807	V	Audio2	6000
● 3.807	V	Audio3	6000
● 3.807	V	Audio4	6000
● 3.807	V	Audio5	6000
● 3.808	H	OTV6	8800
● 3.808	H	SBN	8800
● 3.825	V	ZJTV	6780
● 3.825	V	ZJBC1	6780
● 3.825	V	ZJBC2	6780
● 3.825	V	ZJBC3	6780
● 3.825	V	ZJBC4	6780
● 3.825	V	ZJBC5	6780
● 3.825	V	ZJBC6	6780
● 3.825	V	ZJBC7	6780
● 3.825	V	ZJBC8	6780
● 3.825	V	RS232	6780
● 3.834	V	ShanDongTV	5400
● 3.834	V	SDJiaoTong	5400
● 3.834	V	SDJingJi	5400
● 3.834	V	SDRenMin	5400
● 3.834	V	SDShengHuo	5400
● 3.834	V	SDWenYi	5400
● 3.834	V	SDXiangCun	5400
● 3.840	H	CCTV-1	27500
● 3.840	H	CCTV-10	27500
● 3.840	H	CCTV-11	27500
● 3.840	H	CCTV-12	27500
● 3.840	H	CCTV-2	27500
● 3.840	H	CCTV-7	27500
● 3.840	H	CCTV-MUSIC	27500
● 3.840	H	Skystream data	27500
● 3.846	V	SHANXI SAT TV	5950
● 3.854	V	Henan TV	4420
● 3.854	V	HN Radio1	4420
● 3.854	V	HN Radio2	4420
● 3.854	V	HN Radio4	4420
● 3.854	V	HN Radio5	4420
● 3.854	V	{Empty}	4420
● 3.861	V	Ningxia TV	4800
● 3.861	V	Ningxia Radio	4800
● 3.871	V	NLTV	9075
● 3.871	V	SXTVS	9075
● 3.871	V	SX-JiaoTong-BC	9075
● 3.871	V	SX-JingJi-BC	9075
● 3.871	V	SX-XinWen-BC	9075
● 3.880	H	CCTV-3	27500
● 3.880	H	CCTV-5	27500
● 3.880	H	CCTV-6	27500
● 3.880	H	CCTV-8	27500
● 3.880	H	CCTV-新闻	27500
● 3.880	H	CCTV-少儿	27500
● 3.885	V	SDETV	4340
● 3.892	V	JXTV1	4420
● 3.892	V	JXTV2	4420
● 3.892	V	JXTV3	4420
● 3.892	V	JXTV4	4420
● 3.900	V	JSTV	6670
● 3.900	V	Audio01	6670
● 3.900	V	Audio02	6670
● 3.900	V	Audio03	6670
● 3.900	V	Audio04	6670
● 3.900	V	Audio05	6670
● 3.900	V	Audio06	6670
● 3.900	V	Audio07	6670
● 3.900	V	Audio08	6670
● 3.900	V	Audio09	6670
● 3.900	V	Audio10	6670
● 3.910	V	Gansu TV	6400
● 3.910	V	Gansu Radio1	6400
● 3.910	V	Gansu Radio2	6400
● 3.910	V	Gansu Radio3	6400
● 3.929	V	Ahtv Service	8835
● 3.929	V	Ahradio Service	8835
● 3.940	V	Tianjin TV	5950
● 3.940	V	binhan	5950
● 3.940	V	hangu	5950
● 3.940	V	wenyi	5950
● 3.940	V	xinwen	5950
● 3.940	V	yinyuezb	5950
● 3.951	V	BEIJING KAKU	9525
● 3.951	V	BEIJING TV	9525
● 3.980	V	东方物流	27500
● 3.980	V	发现之旅	27500
● 3.980	V	老故事	27500
● 3.980	V	女性时尚	27500
● 3.980	V	书画	27500
● 3.980	V	现代女性	27500
● 3.980	V	中视购物	27500
● 3.980	V	中小学同步辅导	27500
● 4.000	H	CETV1	27500
● 4.020	V	财富天下	27500
● 4.020	V	彩民在线	27500
● 4.020	V	法律服务	27500
● 4.020	V	高尔夫	27500
● 4.020	V	快乐购物	27500
● 4.020	V	老年福	27500
● 4.020	V	摄影频道	27500
● 4.020	V	英语辅导	27500
● 4.020	V	早期教育	27500
● 4.040	H	东方财经	27500
● 4.040	H	东方健康	27500
● 4.040	H	动漫秀场	27500
● 4.040	H	劲爆体育	27500
● 4.040	H	全纪实	27500
● 4.040	H	幸福彩	27500
● 4.040	H	游戏风云	27500
● 4.040	H	爱乐频率	27500
● 4.060	V	第一剧场	27500
● 4.060	V	风云剧场	27500
● 4.060	V	风云音乐	27500
● 4.060	V	风云足球	27500
● 4.060	V	高尔夫网球	27500
● 4.060	V	国防军事	27500
● 4.060	V	怀旧剧场	27500
● 4.060	V	世界地理	27500
● 4.060	V	央视精品	27500
● 4.060	V	电视指南	27500
● 4.080	H	都市剧场	27500
● 4.080	H	法治天地	27500
● 4.080	H	欢笑剧场	27500
● 4.080	H	极速汽车	27500
● 4.080	H	金色频道	27500
● 4.080	H	七彩戏剧	27500
● 4.080	H	生活时尚	27500
● 4.080	H	说文解字	27500
● 4.080	H	魅力音乐	27500
● 4.100	V	高清影视	27500
● 4.110	H	东方卫视海外版	13300
● 4.110	H	美食天府	13300
● 4.110	H	玩具益智	13300
● 4.110	H	网络棋牌	13300
● 4.110	H	武术世界	13300
● 4.140	V	DV生活	27500
● 4.140	V	梨园	27500
● 4.140	V	留学世界	27500
● 4.140	V	汽摩	27500
● 4.140	V	青年学苑	27500
● 4.140	V	天元围棋	27500
● 4.140	V	先锋纪录	27500
● 4.140	V	游戏竞技	27500
● 4.140	V	孕育指南	27500
● 4.140	V	靓妆	27500
● 4.147	H	HubeiTV	6150
● 4.147	H	hubei1	6150
● 4.147	H	hubei2	6150
● 4.147	H	hubei3	6150
● 4.147	H	hubei4	6150
● 4.147	H	hubei5	6150
● 4.147	H	hubei6	6150
● 4.147	H	hubei7	6150
● 4.147	H	hubei8	6150
● 4.147	H	hubei9	6150
● 4.158	H	CHINIC 10K101	8680
● 4.158	H	DVT	8680
● 4.158	H	EncoMux1	8680
● 4.158	H	EncoMux2	8680
● 4.158	H	{Empty}	8680
● 4.158	H	{Empty}	8680
● 4.171	H	CHINIC 8010	9200
● 4.171	H	CHINIC 8010	9200
● 4.175	V	GW L11R31	5990
● 4.175	V	GW L13R14	5990
● 4.175	V	GW L15R16	5990
● 4.175	V	GW L17R18	5990
● 4.175	V	GW L19R20	5990
● 4.175	V	GW L21R22	5990
● 4.175	V	GW L23R24	5990
● 4.175	V	GW L25R26	5990
● 4.175	V	GW L27R28	5990
● 4.175	V	GW L29R30	5990
● 4.175	V	K15 stero	5990
● 4.175	V	Lzh5 Rzh6	5990
● 4.175	V	Lzh8 Rdjy	5990
● 4.175	V	SW1 stero	5990
● 4.175	V	SW2 stero	5990
● 4.175	V	ZH1 stero	5990
● 4.175	V	ZH2 stero	5990
● 4.175	V	ZH3 stero	5990
● 4.175	V	ZH7 stero	5990
● 4.175	V	zh7-2 Stereo	5990
● 4.192	V	Hebei TV	6000
● 4.192	V	Hebei Radio1	6000
● 4.192	V	Hebei Radio2	6000
● 4.192	V	Hebei Radio3	6000
● 4.192	V	HebeiRadio4	6000
● 4.192	V	HebeiRadio5	6000

KOREASAT 3
116.0 East

KOR003KB

Freq GHz	Pol	Channel Name	Symbol rate
12.350	V	Channel One	26000
12.350	V	DAEHAN	26000
12.350	V	E-CH	26000
12.350	V	EUNHAE&JINLI	26000
12.350	V	KWANG-RIM	26000
12.350	V	kyobo	26000
12.350	V	nonsusan enc5	26000
12.350	V	SGI	26000
12.350	V	ch27	26000
12.350	V	enc 10	26000
12.350	V	hyundai enc6	26000
12.370	H	CCNTV	24080
12.370	H	CTS	24080
12.370	H	HCB	24080
12.370	H	JOBTV	24080
12.370	H	PBC	24080
12.370	H	EBS1	24080
12.370	H	EBS2	24080
12.370	H	EBS3	24080
12.370	H	OUN	24080
12.370	H	SK	24080
12.370	H	SKT	24080
12.430	V	CH 501	26687
12.430	V	CH 503	26687
12.430	V	CH 504	26687
12.430	V	CH 505	26687
12.430	V	CH 506	26687
12.430	V	CH 507	26687
12.430	V	CH 508	26687
12.430	V	CH 509	26687
12.430	V	CH 510	26687
12.430	V	CH 701	26687
12.501	V	KBS HUB	3515
12.522	V	1TV LINK	6328
12.522	V	2TV LINK	6328
12.550	V	CH 601	26687
●12.550	V	CH 602	26687
●12.550	V	CH 603	26687
●12.550	V	CH 604	26687
●12.550	V	CH 605	26687
●12.550	V	CH 606	26687
●12.550	V	CH 607	26687
●12.550	V	CH 608	26687
●12.550	V	CH 609	26687
●12.550	V	CH01 DANYON	26687
●12.550	V	CH02 BOKSUNG	26687
●12.550	V	CH03 BOKYON	26687
●12.550	V	CH04 DANYON	26687
●12.550	V	CH05 SSANG	26687
●12.550	V	CH06 MUNJA	26687

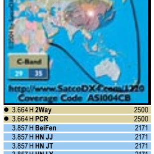
THAICOM 1A
120.0 East

THA01ACR

Freq GHz	Pol	Channel Name	Symbol rate
3.758	V	Laos TV	3033
3.758	V	Radio Laos	3033
3.855	V	CTN 1	5926
3.855	V	CTN 2	5926
3.886	V	Thai Society Channel	3000
3.916	V	BAYON/TKM, 2 Audio	3359
12.602	H	Test card	29000

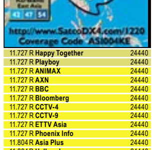
ASIASAT 4
122.0 East

ASI004CB



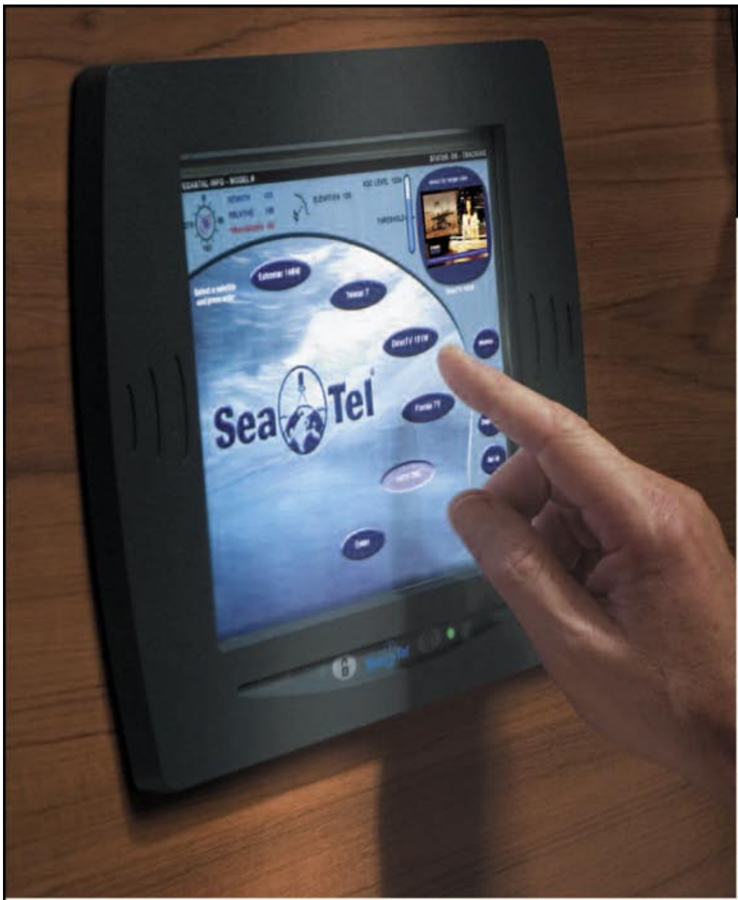
Freq GHz	Pol	Channel Name	Symbol rate
● 3.664	H	2Way	2500
● 3.664	H	PCR	2500
3.857	H	BeiFen	2171
3.857	H	HN JJ	2171
3.857	H	HN JT	2171
3.857	H	HN LY	2171
3.857	H	HN NC	2171
3.857	H	HN XQ	2171
3.857	H	HN XW	2171
3.857	H	HN YSWZ	2171
3.857	H	HN YY	2171
3.857	H	MY Radio	2171
4.120	H	1Way	27500
4.120	H	2way	27500
4.120	H	PCR	27500
4.120	H	SCBB	27500
4.120	H	SCMM	27500
4.120	H	SpeedCast 2	27500
4.120	H	SpeedCast 312	27500
● 4.149	V	SSE Info	2850
● 4.149	V	Stocom	2850
● 4.149	V	Test 1	2850
● 4.149	V	Test 2	2850

ASI004KE



Freq GHz	Pol	Channel Name	Symbol rate
11.727	R	Happy Together	24440
11.727	R	Playboy	24440
11.727	R	ANIMAX	24440
11.727	R	AXN	24440
11.727	R	BBC	24440
11.727	R	Bloomberg	24440
11.727	R	CCTV-4	24440
11.727	R	CCTV-9	24440
11.727	R	ETTV Asia	24440
11.727	R	Phoenix Info	24440
11.804	R	Asia Plus	24440
11.804	R	Hallmark	24440
11.804	R	National Geographic	24440
11.804	R	Phoenix Chinese	24440
11.804	R	Shanghai Dragon TV	24440
11.804	R	Southern TV	24440
11.804	R	TVB-8	24440
11.804	R	TVB-Xinghe	24440
11.804	R	TVBS-News	24440
11.804	R	Xing Kong	24440
11.881	R	CCTV-11	24440
11.881	R	[V] Mandarin	24440
11.881	R	A1	24440
11.881	R	Beijing TV	24440
11.881	R	Guangdong	24440
11.881	R	Hu Nan	24440
11.881	R	Macau Sat. Asia TV	24440
11.881	R	MTV China	24440
11.881	R	TVBS Asia	24440
11.881	R	Zhujiang TV	24440
11.958	R	Football Channel	24440
●11.958	R	Goal 2	24440
11.958	R	Sport Channel	24440
●11.958	R	Test	24440
11.958	R	Channel News Asia	24440
11.958	R	ETTV Movie	24440
11.958	R	Fashion TV	24440

TV Digital | **Radio** Digital | **TV** Digital Crypt | **Radio** Digital Crypt | **TV** High Definition | **TV** High Definition Crypt | **Data** Channel | **TV** Analog | **Radio** Analog



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THE 04 SATELLITE TV SYSTEMS FROM SEA TEL. QUALITY YOU CAN ACTUALLY TOUCH.

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JCSAT 4A 124.0 East

SINOSAT 3 125.0 East

JCSAT 3 128.0 East

C-Band: APSTAR 6 134.0 East

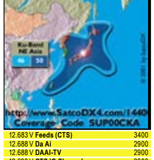
APSTAR 6 134.1 East

TELSTAR 18 138.0 East

C-Band: TELSTAR 18 138.1 East

EXPRESS AM3 140.0 East

SUPERBIRD C 144.0 East



The Full Chart with the most up-to-date channel data is available exclusively for TELE-satellite readers from SatcoDX's CD "World of Satellites"
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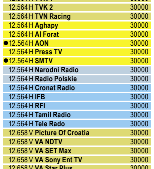
SatcoDX Global Satellite Chart 12/2007

Freq GHz | Pol | Channel Name | Symbol rate

AGILA 2
146.0 East
AGI002CA

AGI002KP

MEA002KM

MEASAT 2
148.0 East
MEA002CB


OPT0B3KH

JCSAT 2A
154.0 East
JCS02AKJ

OPTUS C1
156.0 East
OPT0C1NA

OPTUS B3
152.0 East
OPT0B3KA

OPT0C1NB

OPT0C1NZ

OPTUS D1
160.0 East
OPT0B1KL

OPT0B1KZ

INTELSAT 8
166.0 East
INT008CH

INT008CV

INT008KA

INT008KN

INT008KS

INTELSAT 2
169.0 East
INT002CO

INT002CP

INT002KA

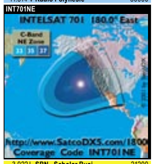
INT002KC

INT002KN

AMC 23
172.0 East

INTELSAT 701
180.0 East
INT701CB

INT701KP

INT701NE


INT701NW

INT701S2

INT701WH

NSS 5
183.0 East (177.0 West)
NSS005AU

NSS005GL

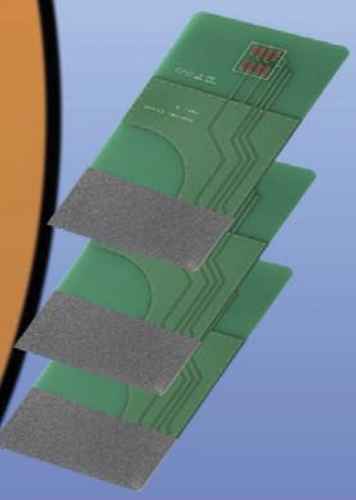
NSS005NW

TV Digital | Radio Digital | TV Digital Crypt | Radio Digital Crypt | TV High Definition | TV High Definition Crypt | Data Channel | TV Analog | Radio Analog

Wireless SmartWi.net
Residential Cardsplitter

SmartWi is a wireless card splitter solution witch can be used in household with more than one set top box.

SmartWi split your subscription card and make is possible to watch differed programs on each set top box with only one subscriptions card.



Wireless SmartWi come standard with
1 Wireless SmartWi
3 Wireless Smartwi client card
1 Power adaptor for Smartwi master.

Wireless SmartWi works on most common set top box for Satellite, Cable and Terrestrial systems

Contact. information
http://www.smartwi.net
E-Mail : info@smartwi.net

SmartWi Denmark
Destination Center
Phone + 45 702 600 31

3.977 L Oldies Radio 28000
3.977 L The Touch 28000
3.977 L Z-Rock 28000

NSS905WH

3.765 R Data service 45000
3.763 R Data service 27500
3.920 R RFO-Tempo 2893

ECHOSTAR 1, 2
212.0 East (148.0 West)

ECH001KB

12.224 R ART Global America 20000
12.224 R ART Movies America 20000
12.224 R Asia TV 20000
12.224 R B4U Movies USA 20000
12.224 R CCTV 4 20000
12.224 R LBC America 20000
12.224 R Phoenix Chinese Nort 20000
12.224 R The Israeli Network 20000
12.224 R TV 5 20000
12.224 R Zee Gold 20000
12.224 R Zee TV USA 20000
12.239 L KBCB-TV 20000
12.239 L KBTC-TV 20000
12.239 L KGEB-TV 20000
12.239 L KWDK-TV 20000
12.239 L KWHB-TV 20000
12.239 L KWOG (ShopNBC) 20000
12.239 L Special 4 20000
12.253 R HBO HDTV 20000
12.268 L KAZH-TV 20000
12.268 L KFTH-TV 20000
12.268 L KLTJ-TV 20000
12.268 L KNWS-TV 20000
12.268 L KTBU-TV 20000
12.268 L KTMD-TV 20000
12.268 L KVDA-TV 20000
12.268 L KWEX-TV 20000
12.268 L KXLN-TV 20000
12.268 L KZJL-TV 20000
12.282 R WGVU-TV 20000
12.282 R WLLA-TV test card 20000
12.282 R WOOD-TV 20000
12.282 R WOTV-TV 20000
12.282 R WTLJ-TV 20000
12.282 R WWMT-TV 20000
12.282 R WXMI-TV 20000
12.282 R WZPX-TV 20000
12.282 R WZZM-TV 20000
12.297 L KDTP-TV 20000
12.297 L KINC-TV 20000
12.297 L KPHZ-TV 20000
12.297 L KTVW-TV 20000
12.297 L KUVS-TV 20000
12.311 R Antenna Satellite 20000
12.311 R Arirang TV World 2 20000
12.311 R ERT Sat 20000
12.311 R Mega Cosmos 20000
12.311 R NTV International 20000

12.311 R NTV Plus 20000
12.311 R International Promot 20000
12.326 L KDTN-TV 20000
12.326 L KFWD-TV 20000
12.326 L KLDT-TV 20000
12.326 L KMPX-TV 20000
12.326 L KSTR-TV 20000
12.326 L KUVN-TV 20000
12.326 L KXTX-TV 20000
12.326 L WZPX-TV 20000
12.341 R EDTV Channel Europ 20000
12.341 R ESC 1 USA 20000
12.341 R Future TV USA 20000
12.341 R Kino Drama 20000
12.341 R RTV Prime 20000
12.341 R Soccer 20000
12.370 R RAI International 1& 20000
12.370 R Rede Record Internac 20000
12.370 R SET USA 20000
12.370 R TV Asia 20000
12.370 R TV Globo Internacion 20000
12.370 R TV Japan 20000
12.398 R RCBS-DT 20000
12.428 R Dish 4 Showroom Prom 20000
12.428 R Gem Shopping Network 20000
12.428 R HD PPV 20000
12.428 R Shop at Home 20000
12.457 R Showtime HDTV East 20000
12.486 R Al Jazeera 20000
12.486 R PolSat 2 Internation 20000
12.486 R TVN 24 20000
12.516 R RADY-TV 20000
12.516 R KAZA-TV 20000
12.516 R KDOC-TV 20000
12.516 R KFTR-TV 20000
12.516 R KHIZ-TV 20000
12.516 R KLCS-TV 20000
12.516 R KOCE-TV 20000
12.516 R KRCA-TV 20000
12.516 R KSCI-TV 20000
12.516 R KVCR-TV 20000
12.516 R KVEA-TV 20000
12.545 R Business TV 20000
12.545 R Business TV 20000
12.545 R Business TV 20000
12.545 R Business TV 20000
12.545 R Business TV 20000
12.545 R ETC 1 20000
12.545 R ETC 2 20000
12.545 R Special 1 20000
12.545 R Special 2 20000
12.545 R Special 3 20000
12.574 R KAZQ-TV 20000
12.574 R KCHF-TV 20000
12.574 R KJLA-TV 20000
12.574 R KLUZ-TV 20000
12.574 R KTEL-TV 20000
12.574 R KVMD-TV 20000
12.574 R KWHY-TV 20000
12.574 R KXLA-TV 20000
12.603 R KCSM-TV 20000
12.603 R KDTV-TV 20000
12.603 R KFSF-TV 20000
12.603 R KMPT-TV 20000
12.603 R KRCB-TV 20000
12.603 R KRON-TV 20000
12.603 R KSTS-TV 20000
12.603 R KTEH-TV 20000
12.603 R KTNC-TV 20000
12.603 R KTSF-TV 20000
12.632 R KBDI-TV 20000
12.632 R KCEC-TV 20000
12.632 R KDEN-TV 20000
12.632 R KMAS-TV 20000
12.632 R KRMT-TV 20000
12.632 R KTVJ-TV 20000
12.632 R KWHD-TV 20000
12.661 R Dish-On Demand PPV 20000
12.661 R Events PPV 20000
12.661 R Florida Educational 20000
12.661 R Good Samaritan Netwo 20000
12.661 R Safety Net 20000
12.661 R Sport PPV 20000
12.661 R Sport PPV 20000
12.661 R The Hot Zone 20000
12.661 R Adult Guard Promo 20000

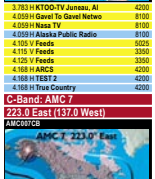
C-Band: AMC 8
221.0 East (139.0 West)

AMC008CB

3.783 H KTOO-TV Juneau, Al 4200
4.059 H Gavel To Gavel Netwo 8100
4.059 H Nasa TV 8100
4.059 H Alaska Public Radio 8100
4.105 V Feeds 5025
4.115 V Feeds 3350
4.125 V Feeds 3360
4.168 H AACS 4200
4.168 H TEST 2 4200
4.168 H True Country 4200

C-Band: AMC 7
223.0 East (137.0 West)

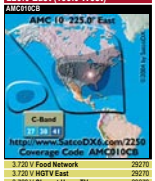
AMC007CB



3.740 V KMGH-TV
3.740 V C Band Talk
3.800 H KDVR-TV
3.800 H Colorado Talking Boo
3.800 H Wilkie
3.820 V KCNC-TV
3.880 H KAKM-TV Anchorage 25196
3.880 H KIMO-TV Anchorage 25196
3.880 H KTBY-TV Anchorage 25196
3.880 H KTUU-TV Anchorage 25196
3.880 H KTVA-TV Anchorage 25196
3.880 H KYES-TV Anchorage 25196
3.980 V KUSA-TV
4.020 V Feed
4.080 H CRN 1
4.100 V Feed 6500
4.160 H KWGN-TV

C-Band: AMC 10
225.0 East (135.0 West)

AMC010CB



3.720 V Food Network 29270
3.720 V HGTV East 29270
3.720 V Shop at Home TV 29270
3.740 H Bravo US 19510
3.740 H ESPN Classic 19510
3.740 H HBO 2 West 19510
3.740 H HBO Signature West 19510
3.740 H HGTV US 19510
3.740 H Love Stories West 19510
3.740 H Mystery West 19510
3.740 H Showtime Too West 19510
3.740 H Starz! Theater West 19510
3.740 H The History Channel 19510
3.740 H The Movie Channel We 19510
3.740 H Westerns West 19510
3.760 V Nickelodeon East 29270
3.760 H Galavision USA Este 29200
3.760 H Galavision USA Oeste 29200
3.760 H TeleFutura 29200
3.760 H Univision Este 29200
3.783 V The California Chann 3000
3.800 V Black Starz! West 19510
3.800 V Encore West 19510
3.800 V MoviePlex East 19510
3.800 V MoviePlex West 19510
3.800 V Starz! Cinema West 19510
3.800 V Starz! Family West 19510
3.800 V Starz! Kids West 19510
3.800 V Starz! Theater West 19510
3.800 V Starz! West 19510
3.800 V WAM! West 19510
3.820 H E! East 29270
3.840 V In HD2 19510
3.860 H Test Card 19510
3.860 H Test Card 19510
3.860 H Test Card 19510
3.860 H TV Guide 19510
3.880 V QVC US 29270
3.900 H HSN - Home Shoppin 29270
3.920 V MTV East 29270
3.920 V VH1 East 29270
3.960 H G4 Tech TV US 4000
3.960 V CNBC US 29270
3.980 H Animal Planet 29270
3.980 H BBC America West 29270
3.980 H Discovery Channel We 29270
3.980 H Discovery HD Theater 29270
3.980 H Discovery Health 29270
3.980 H The Learning Channel 29270
3.980 H The Travel Channel 29270
4.020 H Cine Latino 19510
4.020 H CNN en Espanol 19510
4.020 H Discovery Espanol 19510
4.020 H Fox Sports World Esp 19510
4.020 H HBO Latino 19510
4.020 H HTV 19510
4.020 H MTV Spanish 19510
4.020 H Telemundo Internacio 19510
4.020 H Toon Disney 19510
4.020 H Utilisima Satelital 19510
4.020 H VH Uno 19510
4.020 H Fiesta Tropicana 19510
4.020 H Latin Contemporary 19510
4.020 H Latin Jazz 19510
4.020 H Musica de las Americ 19510
4.020 H Regional Mexican 19510
4.020 H Rock en Espanol 19510
4.020 H Salsa 19510
4.020 H Tejano 19510
4.040 V MTV East 29270
4.060 H In Demand 10 19510
4.060 H In Demand 11 19510
4.060 H In Demand 12 19510
4.060 H In Demand 13 19510
4.060 H In Demand 14 19510
4.060 H In Demand 7 19510
4.060 H In Demand 8 19510
4.060 H In Demand 9 19510
4.060 H In Demand Barker 19510
4.067 V C-SPAN 3 5000
4.080 V C-SPAN 2
4.100 H Showtime HD East 29270
4.100 H The Movie Channel HD 29270
4.120 V Discovery Channel Ea
4.140 H Flix
4.180 H The Weather Channel 29270

C-Band: GALAXY 15
227.0 East (133.0 West)

GXY015CB

3.720 H Comedy Central West
3.740 V Galavision USA Este 24570
3.740 V Univision Este 24570
3.740 V Univision Oeste 24570
3.740 V Univision Package 24570
3.760 H Action East 19510
3.760 H Action West 19510
3.760 H Encore East 19510
3.760 H Love Stories East 19510
3.760 H Love Stories West 19510
3.760 H Mystery East 19510
3.760 H Mystery West 19510
3.760 H True Stories East 19510
3.760 H True Stories West 19510
3.760 H Westerns East 19510
3.760 H Westerns West 19510
3.780 V Do-It-Yourself Netwo 19510
3.780 V Fine Living 19510
3.780 V Food Network TV 19510
3.780 V HGTV East 19510
3.780 V HGTV West 19510
3.800 H Classic Arts Showcas
3.820 V Spike TV 19510
3.840 H The Disney Channel W
3.860 V Cartoon Network
3.880 H ESPN 29270
3.880 H ESPN 2 29270
3.880 H ESPN 2 Alternate 29270
3.880 H ESPN 2 Alternate 29270
3.880 H ESPN 2 Alternate 29270
3.880 H ESPN Alternate 29270
3.880 H ESPN Alternate 29270
3.880 H ESPN Alternate 29270
3.900 V MSNBC 29270
3.920 H EWTN - Eternal Wor
3.920 H EWTN Catholic Radi
3.920 H EWTN Radio Catolic
3.940 V ShopNBC
3.960 H Black Starz! East 19510
3.960 H Encore East 19510
3.960 H Encore West 19510
3.960 H Starz! Cinema East 19510
3.960 H Starz! Cinema West 19510
3.960 H Starz! East 19510
3.960 H Starz! Family East 19510
3.960 H Starz! Kids East 19510
3.960 H Starz! Theater East 19510
3.960 H Starz! West 19510
3.960 H WAM! East 19510
3.980 V Feeds
4.000 H Cartoon Network East 29270
4.000 H CNN Headline News 29270
4.000 H CNN USA 29270
4.000 H TBS East 29270
4.000 H TNT East 29270
4.020 V Boomerang 29270
4.020 V Cartoon Network West 29270
4.020 V CNN Airport Network 29270
4.020 V CNN en Espanol 29270
4.020 V CNN Headline News 29270
4.020 V CNN International 29270
4.020 V CNN USA 29270
4.020 V TBS Canada 29270
4.020 V TBS West 29270
4.020 V TCM US 29270
4.020 V TNT West 29270
4.020 V Turner South 29270
4.025 H I-Life TV 4880
4.040 H The Inspirational Li
4.040 H WNMX FM Mix 106
4.060 V @Max East 29270
4.060 V HBO Comedy East 29270
4.060 V HBO Comedy West 29270
4.060 V HBO Zone East 29270
4.060 V HBO Zone West 29270
4.060 V Outer Max East 29270
4.060 V Star Max East 29270
4.060 V ThrillerMax East 29270
4.060 V ThrillerMax West 29270
4.060 V WMax East 29270
4.080 H Cinemax East
4.100 V HGTV US
4.120 H USA Network West
4.140 V American Life TV Net 29270
4.140 V CSTV - College Spo 29270
4.140 V TV One 29270
4.140 V JCTV 29270
4.140 V MTV Jams 29270
4.140 V The Church Channel 29270
4.160 H ActionMax East 29270
4.160 H ActionMax West 29270
4.160 H Cinemax East 29270
4.160 H Cinemax West 29270
4.160 H HBO 2 East 29270
4.160 H HBO 2 West 29270
4.160 H HBO East 29270
4.160 H HBO Family East 29270
4.160 H HBO Family West 29270
4.160 H HBO Latino East 29270
4.160 H HBO Latino West 29270
4.160 H HBO Signature East 29270
4.160 H HBO Signature West 29270
4.160 H HBO West 29270
4.160 H MoreMax East 29270
4.160 H MoreMax West 29270
4.180 V Americas Store 29270
4.180 V SciFi East 29270
4.180 V SciFi West 29270
4.180 V Trio 29270
4.180 V USA East 29270
4.180 V USA West 29270

C-Band: AMC 11
229.0 East (131.0 West)

AMC011CB

3.720 V National Geographic 30000
3.720 V Speed Channel 30000
3.720 V Speed Channel Feeds 30000
3.720 V Fox Feeds 30000
3.720 V Fox Feeds 30000
3.720 V Fox Feeds 30000
3.720 V Fox Movie Channel 30000
3.720 V Fox Sports World 30000
3.720 V Fox Sports World Esp 30000
3.760 V Fine Living 19510
3.760 V Hot Choice 19510
3.760 V In Demand 1 19510
3.760 V In Demand 2 19510
3.760 V In Demand 3 19510
3.760 V In Demand 4 19510
3.760 V In Demand 5 19510
3.760 V In Demand 6 19510
3.760 V Pleasure 19510
3.780 H Lifetime Movie Netwo 29200
3.780 H Lifetime Real Women 29200
3.780 H Lifetime West 29200
3.780 H Lifetime West 29200
3.800 V Hallmark Channel US 29200
3.800 V Hallmark Channel US 29200
3.800 V Altitude 25 29200
3.800 V Altitude 26 29200
3.800 V Altitude 27 29200
3.820 H Court TV East (VC 19510
3.820 H Court TV West (VC 19510
3.820 H Atlantic Satellite 19510
3.820 H North West Cable N 19510
3.840 V C-SPAN
3.840 V BBC World Service
3.840 V C-SPAN Radio
3.860 H E! TV West 26470
3.860 H GSN - Game Show Ne 26470
3.860 H GSN - Game Show Ne 26470
3.860 H Hallmark Channel Eas 26470
3.860 H PBS Kids Sprout 26470
3.860 H Style East 26470
3.860 H Style West 26470
3.860 H WE - Women's Enterta 26470
3.860 H Wisdom TV 26470
3.860 H Bloomberg TV US 26470
3.880 V Do-It-Yourself Netwo 19510
3.880 V Fine Living 19510
3.880 V Food Network East 19510
3.880 V Food Network West 19510
3.880 V HGTV West 19510
3.900 H America's Store
3.913 H America's Store 4000
3.940 H A&E East 29270
3.940 H A&E West 29270
3.940 H Crime & Investigatio 29270
3.940 H Military History Cha 29270
3.940 H The History Channel 29270
3.940 H The History Channel 29270
3.940 H The History Channel 29270
3.960 H The Weather Channel
3.980 H NESN - Boston 29270
3.980 H NESN - Feeds 29270
3.980 H NESN - HD 29270
3.980 H NESN - New England 29270
3.980 H Boston Catholic TV 29270
3.980 H Boston Catholic TV 29270
3.995 V Viacom Package 19510
4.012 V Viacom Package 9760
4.015 H Showtime Package 19510
4.020 H Discovery Espanol 29270
4.020 H Discovery Health Cha 29270
4.020 H Discovery Kids Ameri 29270
4.020 H Discovery Travel and 29270
4.020 H The Learning Channel 29270
4.040 H The Movie Channel Ea
4.060 H CMT East 29270
4.060 H CMT West 29270
4.060 H The New TNN East 29270
4.060 H TV Land East 29270
4.060 H TV Land West 29270
4.075 V Showtime Package 19510
4.092 H Showtime Package 9760
4.100 H Mun 2 East 29270
4.100 H GAC - Great Americ 29270
4.100 H PIN - Product Info 29270
4.100 H Test Card 29270
4.100 H Test Card 29270
4.100 H Test Card 29270
4.140 H BBC America (VC 70 19510
4.140 H Discovery Civilizati 19510
4.140 H Discovery Health (VC 19510
4.140 H Discovery Home & L 19510
4.140 H Discovery Kids (VC 6 19510
4.140 H Discovery Wings (VC 19510
4.140 H The Science Channel 19510
4.140 H Discovery Espanol (V 19510
4.140 H Fit TV (VC 016) 19510
4.160 V E! TV East

GALAXY 27
231.0 East (129.0 West)

INTAM7CN

3.974 V Test Card 5632
11.780 H StarBand 30000
11.880 V StarBand 30000
11.964 H White Springs TV 2920
12.100 H StarBand 30000

ECHOSTAR 5
231.1 East (128.9 West)

ECH005KB

12.224 R DishNetwork 21500
12.239 L DishNetwork 21500
12.253 R DishNetwork 21500
12.268 L DishNetwork 21500
12.282 R DishNetwork 20000
12.297 L DishNetwork 21500
12.311 R DishNetwork 20000
12.326 L DishNetwork 21500
12.341 R DishNetwork 21500
12.370 R DishNetwork 21500
12.384 L DishNetwork 21500
12.428 R DishNetwork 20000
12.457 R DishNetwork 20000
12.472 L DishNetwork 20000
12.501 L DishNetwork 20000
12.516 R DishNetwork 20000
12.545 R DishNetwork 21500
12.559 L DishNetwork 21500
12.603 R DishNetwork 21500
12.647 L DishNetwork 21500
12.661 R DishNetwork 21500

GALAXY 13/HORIZONS 1
233.0 East (127.0 West)

GXY013CB

3.712 V NFL Network HD 14630
3.740 H Gospel Music Network
3.780 H Starz! East
3.800 V Aasatha TV 27690
3.800 V BBC World 27690
3.800 V Caracol TV Internaci 27690
3.800 V Panamsat Test Card 27690
3.800 V Panamsat Test Card 27690
3.800 V Panamsat Test Card 27690
3.800 V BBC World Radio 27690
3.840 V Starz! HD West 29270
3.860 H Starz! West
3.880 V Starz! HD East 29270
3.900 H HBO HDTV East 29270
3.900 H HBO HDTV West 29270
3.920 H Cinemax HDTV East 29270
3.920 H Cinemax HDTV West 29270
3.940 H Starz! Theater East
4.020 H Encore East
4.080 H HDNet 28076
4.080 H HDNet Movies 28076
4.100 H Westerns East
4.160 H Braves TV 29270
4.160 H TNT HD 29270
4.160 H TNT HD 29270
4.186 H RFD TV 4410

HOR001KB

11.720 H Asia After Dark 26800
11.720 H CCTV 4 26800
11.720 H Chongqing TV 26800
11.720 H CQTV 26800
11.720 H CSFJ 26800
11.720 H CSGD 26800
11.720 H CSLN 26800
11.720 H DAAI 26800
11.720 H Fujian TV 26800
11.720 H Guangdong TV 26800
11.720 H HNTV 26800
11.720 H HOTS 26800
11.720 H HTV 26800
11.720 H ITV 26800
11.720 H Liaoning TV 26800
11.720 H NEWS 26800
11.720 H PAC2 26800
11.720 H SKL1 26800
11.720 H SKL2 26800
11.720 H SNOM 26800
11.720 H SNOT 26800
11.720 H SXTV 26800
11.720 H AAD 26800
11.720 H Pacvia TV 26800
11.720 H PITV 26800
11.720 H Sky Link TV 26800

C-Band: GALAXY 14
235.0 East (125.0 West)

GXY014CB

3.760 H TBN - Trinity Broa
3.760 H KTBN - Trinity Bro
3.765 V The Golf Channel US 3600
3.780 V The Golf Channel US
3.800 H CNN USA
3.800 H CNN Radio News
3.820 V TBS Superstation (
3.820 V Brother Stair
3.820 V WRN 1 North America
3.820 V WRN 2 North America
3.840 H The Disney Channel E
3.860 V HBO West
3.860 V WCPE
3.880 H ESPN
3.920 H ABC Family East
3.940 V Discovery Channel We
3.960 H CNBC US
3.975 H CNBC US 4400
3.980 V ESPN 2
4.000 H HBO East
4.020 V Cinemax West
4.040 H TNT East
4.040 H CNN Radio Noticias
4.060 V Sci Fi East
4.080 H USA Network East
4.100 V BET - Black Entert
4.100 H Lifetime East 29270
4.120 H Lifetime Movie 29270
4.120 H Lifetime West 29270
4.120 H Lifetime Women 29270
4.140 V CNN Headline News
4.140 V CNN Radio
4.160 H A&E East
4.180 V Showtime East

GALAXY 10R
237.0 East (123.0 West)

GXY010RCB

3.740 H Feeds
3.795 V Flix West 19510
3.795 V Showtime Beyond West 19510
3.795 V Showtime Extreme Wes 19510
3.795 V Showtime Showcase We 19510
3.795 V Showtime Too West 19510
3.795 V Showtime West 19510
3.795 V Sundance Channel Wes 19510
3.795 V The Movie Channel We 19510
3.795 V The Movie Channel Xt 19510
3.812 V Showtime Family West 9760
3.812 V Showtime Next West 9760
3.812 V Showtime Women West 9760
3.837 V TVN 2 19510
3.837 V TVN 3 19510
3.837 V TVN 4 19510
3.837 V TVN 5 19510
3.837 V TVN 6 19510
3.837 V TVN 7 19510
3.837 V TVN 8 19510
3.837 V TVN 9 19510
3.840 V unknown 26470
3.880 V 70s Oldies 29270
3.880 V 80s Hits 29270
3.880 V 90s Hits 29270
3.880 V Acid Jazz 29270
3.880 V Adult Alternative 29270
3.880 V Adult Contemporary 29270
3.880 V Album Rock 29270
3.880 V Alternative Rock 29270
3.880 V Beautiful Instrument 29270
3.880 V Blues 29270
3.880 V Children's 29270
3.880 V Classic R&B 29270
3.880 V Classic Rock 29270
3.880 V Contemporary Christi 29270
3.880 V Dance 29270
3.880 V Fiesta Tropical 29270
3.880 V Flashback New Wave 29270
3.880 V Folk Rock 29270
3.880 V Golden Oldies 29270
3.880 V Gospel 29270
3.880 V Great Standards 29270
3.880 V Hard Rock 29270
3.880 V Holiday Happenings 29270
3.880 V Hottest Hits 29270
3.880 V Jazz 29270
3.880 V Latin Contemporary 29270
3.880 V Listening Room 29270
3.880 V Lite Classical 29270
3.880 V Modern Country 29270
3.880 V New Age 29270
3.880 V Rap 29270
3.880 V Reggae 29270
3.880 V Regional Mexican 29270
3.880 V Retro Dance 29270
3.880 V Rock & Roll Oldies 29270
3.880 V Salsa 29270
3.880 V Show Tunes 29270
3.880 V Smooth Jazz 29270
3.880 V Soft Hits 29270
3.880 V Swing 29270
3.880 V Symphonic 29270
3.880 V Tejano 29270

The Full Chart with the most up-to-date channel data is available exclusively for TELE-satellite readers from SatcoDX's CD "World of Satellites"
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Freq GHz	Pol	Channel Name	Symbol rate
3.880	V	Traditional Country	29270
3.880	V	Urban Adult Contempo	29270
3.880	V	Urban Beat	29270
3.920	V	OS Download	26470
3.920	V	Soap East	26470
3.920	V	Soap West	26470
3.920	V	Toon East	26470
3.920	V	Toon West	26470
3.920	V	ABC Fam Backhaul	26470
3.940	V	Playboy TV	19510
3.940	V	TVND Theatre 16	19510
3.940	V	TVND Theatre 17	19510
3.940	V	TVND Theatre 18	19510
3.940	V	TVND Theatre 19	19510
3.940	V	TVND Theatre 20	19510
3.940	V	TVND Theatre 21	19510
3.940	V	TVND Theatre 22	19510
3.940	V	TVND Theatre 23	19510
3.940	V	TVND Theatre 24	19510
3.940	V	70's Super Hits	19510
3.940	V	American Originals	19510
3.940	V	Atmospheres	19510
3.940	V	Big Band	19510
3.940	V	Boleros	19510
3.940	V	Brazilian Pop	19510
3.940	V	Classic Country	19510
3.940	V	Classic R&B	19510
3.940	V	Contemporary Christi	19510
3.940	V	Dance	19510
3.940	V	Folklorica	19510
3.940	V	International Love S	19510
3.940	V	Jazz	19510
3.940	V	Lite Classical	19510
3.940	V	Metal	19510
3.940	V	Showcase 2	19510
3.940	V	Soft Rock	19510
3.940	V	Tejano	19510
3.940	V	Tropical	19510
3.940	V	Worldbeat	19510
3.960	V	TVN 33	19510
3.960	V	TVN Action	19510
3.960	V	TVN Events Electric	19510
3.960	V	TVN HotBody	19510
3.960	V	TVN Passion Soft	19510
3.960	V	TVN TeleNuestros	19510
3.960	V	GRTV 2	19510
3.960	V	GRTV 3	19510
3.960	V	GRTV 4	19510
3.960	V	70's Oldies	19510
3.960	V	80's Hits	19510
3.960	V	90's Hits	19510
3.960	V	Acid Jazz	19510
3.960	V	Adult Alternative	19510
3.960	V	Adult Contemporary	19510
3.960	V	Album Rock	19510
3.960	V	Alternative Rock	19510
3.960	V	Beautiful Instrument	19510
3.960	V	Blues	19510
3.960	V	Cable Radio 1	19510
3.960	V	Cable Radio 2 Sport	19510
3.960	V	Cable Radio 3 Talk R	19510
3.960	V	Cable Radio 4 Lifest	19510
3.960	V	Cable Radio 5 Law&Or	19510
3.960	V	Cable Radio 6 Issues	19510
3.960	V	Children's	19510
3.960	V	Classic R&B	19510
3.960	V	Classic Rock	19510
3.960	V	Contemporary Christi	19510
3.960	V	Dance	19510
3.960	V	Flashback New Wave	19510
3.960	V	Folk Rock	19510
3.960	V	Golden Oldies	19510
3.960	V	Gospel	19510
3.960	V	Great Standards	19510
3.960	V	Hard Rock	19510
3.960	V	Holiday Happenings	19510
3.960	V	Hot Country	19510
3.960	V	Hottest Hits	19510
3.960	V	Jazz	19510
3.960	V	Latin Contemporary	19510
3.960	V	Listening Room	19510
3.960	V	Lite Classical	19510
3.960	V	Modern Country	19510
3.960	V	New Age	19510
3.960	V	Rap	19510
3.960	V	Reggae	19510
3.960	V	Retro Dance	19510
3.960	V	Rock 'n' Blues	19510
3.960	V	Rock 'n' Roll Oldies	19510
3.960	V	Salsa	19510
3.960	V	Show Tunes	19510
3.960	V	Smooth Jazz	19510
3.960	V	Soft Hits	19510
3.960	V	Swing	19510
3.960	V	Symphonic	19510
3.960	V	Traditional Country	19510
3.960	V	Urban Adult Contempo	19510
3.960	V	Urban Beat	19510
3.960	V	Vocal Blends	19510
3.970	V	Symphonic	11162
3.975	H	Showtime Family West	19510
3.975	H	Showtime HDTV West	19510
3.975	H	Showtime Next West	19510
3.975	H	Showtime Woman West	19510
3.992	H	Showtime Women West	9765
4.000	V	Showtime West	
4.020	H	TV Land	29270
4.040	V	Nickelodeon West	
4.060	H	The Movie Channel We	
4.080	V	MTV West	
4.100	H	ESPN Classic	29270
4.100	H	ESPN Deportes	29270
4.100	H	ESPNews	29270
4.100	H	Lifetime Movie Netwo	29270
4.100	H	Lifetime Real Women	29270
4.100	H	SoapNet	29270
4.100	H	Toon Disney	29270
4.100	H	C-SPAN 3	29270
4.120	V	ESPN PPV1	29270
4.120	V	ESPN PPV2	29270
4.120	V	ESPN PPV3	29270
4.120	V	ESPN PPV4	29270
4.120	V	ESPN PPV5	29270
4.120	V	ESPN PPV6	29270
4.140	H	ESPN 2 HD	29270
4.140	H	ESPN HD	29270
4.140	H	ESPN HD Alternate	29270
4.160	V	A&E East	29270
4.160	V	A&E West	29270
4.160	V	Military History Cha	29270
4.160	V	The History Channel	29270
4.160	V	The History Channel	29270
4.160	V	The History Channel	29270
4.180	H	The Outdoor Channel	29270
4.180	H	JLTV	29270
4.180	H	The Outdoor CH Eas	29270
4.180	H	The Outdoor CH Eas	29270
4.180	H	The Outdoor CH Wes	29270
4.180	H	The Outdoor CH Wes	29270

GXY10RKB

Freq GHz	Pol	Channel Name	Symbol rate
11.720	V	KEGS	27692
11.720	V	KFDF	27692
11.720	V	KKTU	27692
11.720	V	KLMN-GFMT	27692
11.720	V	KLRA	27692
11.720	V	KMCC	27692
11.720	V	KPBI-AR	27692
11.720	V	KUTH-KU	27692
11.720	V	KWCE-RTN	27692
11.720	V	KWWF	27692
11.720	V	KXUN	27692
11.720	V	WBLU	27692
11.720	V	WNGS	27692
11.720	V	WNYI	27692
11.732	H	Channel One	13240
11.732	H	Channel Two	13240
11.732	H	EES	13240
11.732	H	VISN 11	13240
11.732	H	Channel Three-VBA	13240
11.732	H	Wide Band Data	13240
11.740	H	Feeds	15000
11.748	V	Step Star Network Ch	8500
11.748	V	Step Star Network Ch	8500
11.748	V	Step Star Network Ch	8500
11.774	V	Feeds	6664
11.794	V	KBS	4883
11.798	V	DAYSTAR	26657
11.798	V	KCBU	26657
11.798	V	KDEV-LP	26657
11.798	V	KKYK	26657
11.798	V	KQUP	26657
11.798	V	KTVC	26657
11.798	V	KUTF	26657
11.798	V	KUWF	26657
11.798	V	KWBF	26657
11.798	V	KWBM	26657
11.798	V	KWKO	26657
11.798	V	LaTV	26657
11.798	V	WGMU	26657
11.798	V	WMQF	26657
11.798	V	WPXS	26657
11.798	V	WUMN Ku	26657
11.805	H	Feeds ((Empty Name))	4580
11.805	H	Feeds ((Empty Name))	4580
11.805	H	Feeds ((Empty Name))	4580
11.805	H	Feeds ((Empty Name))	4580
11.813	H	KMEX R-6	6617
11.813	H	Service 1	6617
11.840	V	Feeds	27900
11.845	H	Test Channel	3601
11.845	H	Volkswagen GALX En	3601
11.845	H	Volkswagen GALX En	3601
11.845	H	Volkswagen GALX Fr	3601
11.860	H	Feeds	27900
11.893	V	Feeds (Vyvx Denver P	6111
11.893	V	Feeds ((Empty Name))	6111
11.893	V	Feeds ((Empty Name))	6111
11.893	V	Feeds ((Empty Name))	6111
11.905	V	CH 1	4352
11.905	V	CH 1	4352
11.905	V	CH 2	4352
11.905	V	CH 2	4352
11.910	V	CH 1	7000
11.910	V	CH 2	7000
11.935	V	Feeds	2992
11.972	V	Feeds (FISCHER	13021
12.053	V	Pentagon Channel	6510
12.059	H	Feeds ((Empty Name))	5000
12.059	H	Feeds ((Empty Name))	5000
12.059	H	Feeds ((Empty Name))	5000
12.078	V	KBS WORLD	3680
12.100	H	Feeds ((Empty Name))	30000
12.100	H	Feeds ((Empty Name))	30000
12.100	H	Feeds ((Empty Name))	30000
12.100	H	Feeds ((Empty Name))	30000
12.100	H	Feeds ((Empty Name))	30000
12.100	H	Feeds ((Empty Name))	30000
12.100	H	Feeds ((Empty Name))	30000
12.100	H	Feeds ((Empty Name))	30000
12.100	H	Feeds ((Empty Name))	30000
12.100	H	Feeds ((Empty Name))	30000
12.100	H	Feeds ((Empty Name))	30000
12.100	H	Feeds ((Empty Name))	30000
12.100	H	Feeds ((Empty Name))	30000
12.100	H	Feeds ((Empty Name))	30000
12.100	H	Feeds ((Empty Name))	30000
12.100	H	Feeds ((Empty Name))	30000
12.100	H	Feeds ((Empty Name))	30000
12.100	H	Feeds ((Empty Name))	30000
12.100	H	Feeds ((Empty Name))	30000
12.100	H	Feeds ((Empty Name))	30000
12.104	V	SNG	2222
12.114	V	LAT TV East	4340
12.114	V	LAT TV West	4340
12.120	V	Feeds	
12.136	V	Feeds	2666
12.136	V	Feeds (Service 1)	2666
12.140	H	Feeds	
12.160	V	Feeds	
12.170	H	WORLD CUP SKI	11161
12.180	H	Feeds	

ECHOSTAR 9
239.0 East (121.0 West)

ECH009KB

Freq GHz	Pol	Channel Name	Symbol rate
12.016	V	SuperDISH Info Car	20000
12.016	V	DishNetwork Package	20000

GALAXY 23
239.1 East (120.9 West)

INTA13CB

Freq GHz	Pol	Channel Name	Symbol rate
3.707	H	CLEVELAND	5632
3.714	H	Cox Sports TV	3000
3.719	H	TVW 1	3000
3.724	H	The Sportsmans Chann	3000
3.727	V	MASN	6065
3.732	V	In Demand	13235
3.740	V	In Demand	19510
3.751	H	ETV Bangla	8385
3.751	H	ETV Gujarati	8385
3.751	H	ETV Telugu	8385
3.765	H	In Demand	19510
3.778	H	Insight Asian TV	1860
3.780	V	In Demand	22500
3.800	H	Hot Net Plus	19510
3.800	H	Playboy TV Classic	19510
3.800	H	Playboy TV en Espano	19510
3.800	H	Spice Hot	19510
3.800	H	Spice Live	19510
3.800	H	Spice Platinum	19510
3.815	V	TBN Enlace USA	19510
3.815	V	TV Superstore	19510
3.832	V	OlympuSat Package	19510
3.900	V	24HTVE	27684
3.900	V	DOCUTVE	27684
3.900	V	TVEA1	27684
3.900	V	TVEA2	27684
3.900	V	AJE	27684
3.900	V	EURONEWS	27684
3.900	V	IMF	27684
3.900	V	RCLA	27684
3.900	V	REE	27684
3.900	V	RNE1	27684
3.900	V	RNE3	27684
3.900	V	RNE5	27684
3.940	V	APTN Test Card	29270
3.940	V	Video Rola	29270
3.940	V	Cine Latino	29270
3.940	V	HTV	29270
3.940	V	Infinito	29270
3.940	V	Telefe Internacional	29270
3.940	V	Utilisima Satelital	29270
3.940	V	ZEE TV USA	29270
3.970	H	The Sportsmans Chann	14027
3.980	V	AE Biography MPEG	27690
3.980	V	CNBC2 MPEG Audio	27690
3.980	V	DIY MPEG Audio	27690
3.980	V	History Channel In	27690
3.980	V	IFC MPEG Audio	27690
3.980	V	Lifetime MPEG Audi	27690
3.980	V	ZDTV MPEG Audio	27690
3.980	V	Much Music MPEG Au	27690
4.000	H	Playboy Director's C	19510
4.000	H	Si TV	19510
4.000	H	Spice	19510
4.000	H	Spice 2	19510
4.000	H	The Hot Network	19510
4.000	H	The Hot Zone	19510
4.000	H	The Tennis Channel	19510
4.000	H	CRN 1	19510
4.000	H	CRN 2 - Sports Talk	19510
4.000	H	CRN 4 - Lifestyles	19510
4.000	H	CRN 5 - Law & Order	19510
4.000	H	CRN 6 - Issues	19510
4.000	H	TRN - Talk Radio N	19510
4.060	V	AMERICA ONE	20000
4.060	V	FIRESTONE COMMUNI	20000
4.060	V	SORPRESSA	20000
4.060	V	STC	20000
4.100	V	Gospel Music	29270
4.100	V	JCTV	29270
4.100	V	TBN US	29270
4.100	V	The Church Channel	29270
4.120	H	Jewelry TV	
4.140	V	Azteca America Este	25325
4.140	V	Azteca America Oeste	25325
4.140	V	Azteca Siete	25325
4.140	V	Azteca Trece	25325
4.140	V	Azteca Trece	25325
4.160	H	A Taste of Spice	19510
4.160	H	Spice Live	19510
4.160	H	Spice Ultimate	19510
4.172	V	Pleasure	14600
4.172	V	TEN	14600
4.172	V	TENBlox	14600
4.172	V	TENBlue	14600
4.172	V	TENClips	14600
4.172	V	TENXtsy	14600
4.186	V	HITN	5184
4.186	V	HITN CH2	5184

ECHOSTAR 7, AMC16
241.0 East (119.0 West)

AMC016KB

Freq GHz	Pol	Channel Name	Symbol rate
11.720	R	Dish Network multipl	26000
11.740	L	Dish Network multipl	26000
11.760	R	Dish Network multipl	26000
11.820	L	Dish Network multipl	26000
11.840	R	Dish Network multipl	26000
11.880	L	Dish Network multipl	26000
12.040	R	Dish Network multipl	26000
12.060	R	Dish Network multipl	26000
12.160	R	Dish Network multipl	26000

ECH007KB

Freq GHz	Pol	Channel Name	Symbol rate
12.224	R	KATU-TV	20000
12.224	R	KCPT-TV	20000
12.224	R	KCTV-TV	20000
12.224	R	KCWE-TV	20000
12.224	R	KGW-TV	20000
12.224	R	KJRH-TV	20000
12.224	R	KMBC-TV	20000
12.224	R	KMCI-TV	20000
12.224	R	KOIN-TV	20000
12.224	R	KOKI-TV	20000
12.224	R	KOPB-TV	20000
12.224	R	KOTV-TV	20000
12.224	R	KPDX-TV	20000
12.224	R	KPTV-TV	20000
12.224	R	KSHB-TV	20000
12.224	R	KSMO-TV	20000
12.224	R	KTUL-TV	20000
12.224	R	KWBP-TV	20000
12.224	R	WBZ-TV	20000
12.224	R	WCAX-TV	20000
12.224	R	WCVB-TV	20000
12.224	R	WDAF-TV	20000
12.224	R	WETK-TV	20000
12.224	R	WFFF-TV	20000
12.224	R	WFXT-TV	20000
12.224	R	WGBH-TV	20000
12.224	R	WHDH-TV	20000
12.224	R	WLVI-TV	20000
12.224	R	WPEC-TV	20000
12.224	R	WPTZ-TV	20000
12.224	R	WVNY-TV	20000
12.239	L	BET	20000
12.239	L	Bravo US	20000
12.239	L	CNN Financial Networ	20000
12.239	L	Court TV	20000
12.239	L	Empire Sports Networ	20000
12.239	L	Galavision Este	20000
12.239	L	HBO East	20000
12.239	L	PPV Sports	20000
12.239	L	Tech TV	20000
12.239	L	The Hot Zone	20000
12.253	R	KAUT-TV	20000
12.253	R	KCAL-TV	20000
12.253	R	KCET-TV	20000
12.253	R	KCOP-TV	20000
12.253	R	KCPQ-TV	20000
12.253	R	KCTS-TV	20000
12.253	R	KETA-TV	20000
12.253	R	KFMB-TV	20000
12.253	R	KGTV-TV	20000
12.253	R	KING-TV	20000
12.253	R	KIRO-TV	20000
12.253	R	KMEX-TV	20000
12.253	R	KNSD-TV	20000
12.253	R	KOCB-TV	20000
12.253	R	KOCO-TV	20000
12.253	R	KOMO-TV	20000
12.253	R	KONG-TV	20000
12.253	R	KPBS-TV	20000
12.253	R	KSBI-TV	20000
12.253	R	KSTW-TV	20000
12.253	R	KSWB-TV	20000
12.253	R	KTFO-TV	20000
12.253	R	KTWB-TV	20000
12.253	R	KWBT-TV	20000
12.253	R	KWTV-TV	20000
12.253	R	WBFS-TV	20000
12.253	R	WBTV-TV	20000
12.253	R	WBZL-TV	20000
12.253	R	WCCB-TV	20000
12.253	R	WCSV-TV	20000
12.253	R	WFLX-TV	20000
12.253	R	WLTV-TV	20000
12.253	R	WNNE-TV	20000
12.253	R	WPBF-TV	20000
12.253	R	WPLG-TV	20000
12.253	R	WPTV-TV	20000
12.253	R	WSVN-TV	20000
12.253	R	WTVX-TV	20000
12.253	R	WXEL-TV	20000
12.253	R	WTVJ-TV	20000
12.253	R	XETV-TV	20000
12.268	L	C-SPAN	20000
12.268	L	C-SPAN 2	20000
12.268	L	ESPN	20000
12.268	L	ESPNews	20000
12.268	L	Flix East	20000
12.268	L	Food Network US	20000
12.268	L	GSN - Game Show Ne	20000
12.268	L	Playboy TV	20000
12.268	L	QVC US	20000
12.268	L	TEN - The Erotic N	20000
12.268	L	70's Hits	20000
12.268	L	Adult Contemporary	20000
12.268	L	Concert Classics	20000
12.268	L	Expressions	20000
12.268	L	Light Classical	20000
12.268	L	Tropical Breezes	20000
12.268	L	Urban Adult	20000
12.282	R	KAET-TV	20000
12.282	R	KASW-TV	20000
12.282	R	KDNL-TV	20000
12.282	R	KETC-TV	20000
12.282	R	KHBW-TV	20000
12.282	R	KHOU-TV	20000
12.282	R	KMOV-TV	20000
12.282	R	KNXV-TV	20000
12.282	R	KPHO-TV	20000
12.282	R	KPLR-TV	20000
12.282	R	KPNX-TV	20000
12.282	R	KPRC-TV	20000
12.282	R	KRIV-TV	20000
12.282	R	KSAZ-TV	20000
12.282	R	KSDK-TV	20000
12.282	R	KTRK-TV	20000
12.282	R	KTVI-TV	20000
12.282	R	KTVK-TV	20000
12.282	R	KUHT-TV	20000
12.282	R	KUTP-TV	20000
12.282	R	WBTV-TV	20000
12.282	R	WCCB-TV	20000
12.282	R	WCNC-TV	20000
12.282	R	WGVU-TV	20000
12.282	R	WJZY-TV	20000
12.282	R	WLOS-TV	20000
12.282	R	WNSC-TV	20000
12.282	R	WOOD-TV	20000
12.282	R	WSOC-TV	20000
12.282	R	WSPA-TV	20000
12.282	R	WTVI-TV	20000
12.282	R	WWMT-TV	20000
12.282	R	WWWB-TV	20000
12.282	R	WXMI-TV	20000
12.282	R	WYFF-TV	20000
12.282	R	WZZM-TV	20000
12.297	L	Discovery Health	20000
12.297	L	ESPN Classic	20000
12.297	L	Fox News Channel	20000
12.297	L	Fox Sports Alternate	20000
12.297	L	Fox Sports Rocky Mou	20000
12.297	L	HBO 2 East	20000
12.297	L	HBO Signature East	20000
12.297	L	IFC US	20000
12.297	L	Showtime East	20000
12.297	L	Toon Disney	20000
12.297	L	Festival Italian	20000
12.311	R	KAKW-TV	20000
12.311	R	KAMU-TV	20000
12.311	R	KBHK-TV	20000
12.311	R	KBWB-TV	20000
12.311	R	KCEN-TV	20000
12.311	R	KGO-TV	20000
12.311	R	KGUN-TV	20000
12.311	R	KHRR-TV	20000
12.311	R	KICU-TV	20000
12.311	R	KMSB-TV	20000
12.311	R	KNCT-TV	20000
12.311	R	KNTV-TV	20000
12.311	R	KOLD-TV	20000
12.311	R	KPIX-TV	20000
12.311	R	KQED-TV	20000
12.311	R	KTTU-TV	20000
12.311	R	KTVU-TV	20000
12.311	R	KUAT-TV	20000
12.311	R	KVOA-TV	20000
12.311	R	KWBA-TV	20000
12.311	R	KWBU-TV	20000
12.311	R	KWEX-TV	20000
12.311	R	KWTX-TV	20000
12.311	R	KXGR-TV	20000
12.311	R	KXXV-TV	20000
12.311	R	WBSC-TV	20000
12.311	R	WFYI-TV	20000
12.311	R	WGN-TV	20000
12.311	R	WHAS-TV	20000
12.311	R	WISH-TV	20000
12.311	R	WLKY-TV	20000
12.311	R	WFLD-TV	20000
12.311	R	WNCN-TV	20000
12.311	R	WNDY-TV	20000
12.311	R	WPWR-TV	20000
12.311	R	WRAL-TV	20000
12.311	R	WRAZ-TV	20000
12.311	R	WRDC-TV	20000
12.311	R	WTHR-TV	20000
12.311	R	WTTK-TV	20000
12.311	R	WTTV-TV	20000
12.311	R	WTVD-TV	20000
12.311	R	WUNC-TV	20000
12.311	R	WXIN-TV	20000
12.326	L	AMC - American Mov	20000
12.326	L	CMT US	20000
12.326	L	Discovery Channel	20000
12.326	L	ESPN	20000
12.326	L	HBO Family East	20000
12.326	L	PBS	20000
12.326	L	Sci-Fi	20000
12.326	L	Showtime West	20000
12.326	L	The Learning Channel	20000
12.326	L	TNT	20000
12.326	L	Acoustic Crossroads	20000
12.326	L	Country Classics	20000
12.326	L	Country Currents	20000
12.326	L	Environmental East	20000
12.326	L	Foreground Music	20000
12.326	L	Hot FM	20000
12.326	L	New Country	20000
12.326	L	Urban Beat	20000
12.341	R	KBFD-TV	20000
12.341	R	KBYU-TV	20000
12.341	R	KFVE-TV	20000
12.341	R	KGMB-TV	20000
12.341	R	KHET-TV	20000
12.341	R	KHNL-TV	20000
12.341	R	KHON-TV	20000
12.341	R	KIKU-TV	20000
12.341	R	KITV-TV	20000
12.341	R	KJZZ-TV	20000
12.341	R	KPNZ-TV	20000
12.341	R	KSL-TV	20000
12.341	R	KSTU-TV	20000
12.341	R	KTMW-TV	20000
12.341	R	KTVX-TV	20000
12.341	R	KUED-TV	20000
12.341	R	KUTV-TV	20000
12.341	R	KUWB-TV	20000
12.341	R	KWHE-TV	20000
12.341	R	WABM-TV	20000
12.341	R	WBIQ-TV	20000
12.341	R	WBRC-TV	20000
12.341	R	WIAT-TV	20000
12.341	R	WJSU-TV	20000
12.341	R	WTTO-TV	20000
12.341	R	WVTM-TV	20000
12.355	L	ESPN 2 Alternate	20000
12.355	L	ESPN Alternate	20000
12.355	L	Fox Sports Bay Area	20000
12.355	L	Fox Sports New York	20000
12.355	L	Fox Sports South	20000
12.355	L	Showtime Extreme Eas	20000
12.355	L	The Movie Channel Ea	20000
12.355	L	The Movie Channel Xt	20000
12.355	L	Universityhouse	20000
12.355	L	WE - Women's Enterta	20000
12.370	R	ACN - America's Co	20000
12.370	R	Business TV 1	20000
12.370	R	Business TV 2	20000
12.370	R	EWTN US	20000
12.370	R	Fox Sports Alternate	20000
12.370	R	HSN - Home Shoppin	20000
12.370	R	ShopNBC	20000
12.370	R	The Beauty and Fash	20000
12.370	R	The Disney Channel E	20000
12.370	R	UCTV - University	20000
12.370	R	Univision Este	20000
12.370	R	Angel One	20000
12.370	R	PPV Guide	20000
12.370	R	Remote Control Help	20000
12.384	L	Fox Sports Detroit	20000
12.384	L	Fox Sports New Engla	20000
12.384	L	Fox Sports Pittsburg	20000
12.384	L	FX	20000
12.384	L	Noggin	20000
12.384	L	Sunshine Network	20000
12.384	L	TBN - Trinity Broa	20000
12.384	L	The Weather Channel	20000
12.384	L	Destinations Audio	20000
12.384	L	Latino Pop	20000
12.384	L	Muzak	20000
12.384	L	Muzak 2	20000
12.384	L	Viva Mariachi	20000
12.399	R	Animal Planet	20000
12.399	R	CNBC US	20000
12.399	R	Comedy Central East	20000
12.399	R	Fox Sports Northwest	20000
12.399	R	HBO 2 West	20000
12.399	R	Lifetime	20000
12.399	R	MSNBC	20000
12.399	R	TBS Superstation (	20000
12.399	R	TV Land	20000
12.399	R	VH 1 US	20000
12.399	R	WGN Superstation	20000
12.399	R	Contemporary Christi	20000
12.399	R	Contemporary Instrum	20000
12.399	R	Contemporary Jazz Fl	20000
12.399	R	Easy Instrumentals	20000
12.399	R	Jazz Traditions	20000
12.414	L	Black Starz! East	20000
12.414	L	Encore East	20000
12.414	L	Extasy	20000
12.414	L	Lifetime Movie Netwo	20000
12.414	L	Pax TV	20000
12.414	L	Starz! Cinema East	20000
12.414	L	Starz! East	20000
12.414	L	Starz! Family East	20000
12.414	L	Starz! Theater East	20000
12.414	L	Westerns East	20000
12.428	R	KABC-TV	20000
12.428	R	KCBS-TV	20000
12.428	R	KNBC-TV	20000
12.428	R	KTLA-TV	20000
12.428	R	KTTV-TV	20000
12.428	R	KWGN-TV	20000
12.428	R	WPIX-TV	20000
12.428	R	WSBK-TV	20000
12.428	R	WWOR-TV	20000
12.428	R	WXTV-TV	20000
12.428	R	70's Songbook	20000
12.428	R	Big Band Era	20000
12.428	R	Classic Rock	20000
12.428	R	Eurostyle	20000
12.428	R	JukeBox Gold	20000
12.428	R	Nonstop Hip Hop	20000
12.443	L	ABC Family	20000
12.443	L	Cartoon Network	20000
12.443	L	CNN Headline News	20000
12.443	L	E! Entertainment TV	20000
12.443	L	HGTV US	20000
12.443	L	MTV East	20000
12.443	L	Nickelodeon West	20000
12.443	L	TCM - Turner Class	20000
12.443	L	The New TNN	20000
12.443	L	Travel Channel	20000
12.443	L	USA Network East	20000
12.443	L	Adult Alternative	20000
12.443	L	Hawaiian Music	20000
12.443	L	Hot Hits	20000
12.443	L	Kids tunes	20000
12.443	L	LDS Radio Network	20000
12.443	L	Modern Rock Alternat	20000
12.443	L	Power Rock	20000
12.457	R	Cinemax East	20000
12.457	R	DISH-on-Demand PPV	20000
12.457	R	DISH-on-Demand PPV	20000
12.457	R	Fox Sports Chicago	20000
12.457	R	Fox Sports Southwest	20000
12.457	R	MoreMax East	20000
12.457	R	MSG Network	20000
12.457	R	Speed Channel	20000
12.457	R	Sundance Channel Eas	20000
12.457	R	TV Games Network	20000
12.472	L	Comcast SportsNet Mi	20000
12.472	L	DISH-on-Demand PPV	20000
12.472	L	Fox Sports Cincinnat	20000
12.472	L	Fox Sports Midwest	20000
12.472	L	MuchMusic USA	20000
12.472	L	NASA TV	20000
12.472	L	Nickelodeon East	20000
12.472	L	RAI International 1/	20000
12.472	L	WorldLink TV	20000
12.472	L	Info Card	20000
12.472	L	Broadway & Hollywood	20000
12.486	R	A&E - Arts & Enterta	20000
12.486	R	CNN USA	20000
12.486	R	HBO West	20000
12.486	R	Showtime Too East	20000
12.486	R	The Disney Channel W	20000
12.486	R	The History Channel	20000
12.486	R	Adult Favorites	20000
12.486	R	Blues	20000
12.486	R	Fiesta Mexicana	20000
12.486	R	Latin Style	20000
12.486	R	New Age	20000
12.486	R	Reggae	20000
12.501	L	Cinemax West	20000
12.501	L	Fox Sports West	20000
12.501	L	The Outdoor Channel	20000
12.501	L	WABC-TV	20000
12.501	L	WCBS-TV	20000
12.501	L	WNBC-TV	20000
12.501	L	WNET-TV	20000
12.501	L	WNYW-TV	20000
12.501	L	NESN - New England	20000
12.501	L	50's & 60's Hits	20000
12.501	L	80's Hits	20000
12.501	L	All that Jazz	20000
12.501	L	Beach Party	20000
12.501	L	Classical Ambience	20000
12.501	L	Hit Line	20000
12.501	L	Love Songs	20000
12.501	L	Metro	20000
12.501	L	Miami Mix	20000
12.501	L	Moodscapes	20000
12.501	L	New Orleans Jazz	20000
12.501	L	Piano & Guitar	20000
12.501	L	R&B Revue	20000
12.501	L	Tejano	20000
12.516	R	BBC America	20000
12.516	R	DISH-on-Demand PPV	20000
12.516	R	Fox Sports Alternate	20000
12.516	R	Fox Sports Arizona	20000
12.516	R	Fox Sports Florida	20000
12.516	R	Fox Sports North	20000
12.516	R	Fox Sports Ohio	20000
12.516	R	MTV 2 US	20000
12.516	R	RFD TV - Rural Far	20000
12.516	R	Country Music	20000
12.516	R	Reflections	20000

DIRECTV 7S
241.2 East (118.8 West)

DTV006KB

Freq GHz	Pol	Channel Name	Symbol rate
12.530	L	DirecTV USA	20000
12.545	R	DirecTV USA	20000
12.559	L	DirecTV USA	20000
12.574	R	DirecTV USA	20000
12.588	L	DirecTV USA	20000
12.603	R	DirecTV USA	20000
12.618	L	DirecTV USA	20000
12.632	R	DirecTV USA	20000
12.647	L	DirecTV USA	20000
12.661	R	DirecTV USA	20000
12.676	L	DirecTV USA	20000

SATMEX 5
243.2 East (116.8 West)

SAM005CB

Freq GHz	Pol	Channel Name	Symbol rate
3.767	H	Data Service	1620
3.770	V	Universal Circus 1	7234
3.770	V	Universal Circus 2	7234
3.770	V	Universal Circus 3	7234
3.800	V	Animal Planet	29270
3.800	V	CNI Canal 40	29270
3.800	V	Discovery Health	29270
3.800	V	Discovery Kids	29270
3.800	V	ESPN	29270
3.800	V	Hallmark	29270
3.800	V	IPN Canal 11	29270
3.800	V	MTV	29270
3.800	V	People & Arts	29270
3.800	V	Travel & Adventure	29270
3.840	V	Casa Club	29270
3.840	V	Cinema Platino	29270
3.840	V	Film & Arts	29270
3.840	V	IntelTV	29270
3.840	V	MGM	29270
3.840	V	National Geographic	29270
3.840	V	Nickelodeon	29270
3.840	V	Ponchivision	29270
3.840	V	Telemundo	29270
3.840	V	Television Continent	29270
3.855	H	CB TV	2600
3.889	H	Data Service	3333
3.905	V	Sports Book	2975
3.913	V	Sotel Canal 11	2947
3.918	V	CNI Canal 40 - XHT	3329
3.935	V	Hipodromo de Preside	4440
3.935	V	Test Card	4440
3.960	V	Azteca 13 Mexico C	25325
3.960	V	Azteca 13 Mexico Ci	25325
3.960	V	Azteca 7 Mexico Ci	25325
3.960	V	Azteca America Este	25325
3.960	V	Azteca America Oeste	25325
3.980	H	Monte Maria TV	1850
3.985	V	Tele Ritmo	3183
3.989	V	Multimedios	2967
3.997	V	XEIMT Canal 22	3255
4.001	V	RGT TV Digital	2670
4.006	V	Ecuavisa	3516
4.011	V	Latinoamerica TV	3131
4.014	V	TeVe de Mente	2530
4.034	V	Data Service	2893
4.038	V	Video Rola	2893
4.044	V	Ocho TV	2893
4.052	V	TV Mexiquense XHTP	4307
4.060	H	Canal 22 Mexico Ci	19510
4.060	H	Canal de Congreso (V	19510
4.060	H	Gobierno de la Repub	19510
4.060	H	Test Card (VC811)	19510
4.060	H	XEIPN - Once TV (V	19510
4.084	H	Guate Vision	3162
4.096	V	Data Service	2893
4.103	H	CNC Columbia	2593
4.107	H	Teleformula	2012
4.133	H	Canal 9	3617
4.160	V	CMC	29270
4.160	V	ESPN 2	29270
4.160	V	Fox Sports	29270
4.160	V	HSE	29270
4.160	V	Momentum	29270
4.160	V	Movie World	29270
4.160	V	PHTV	29270
4.160	V	TVC	29270
4.160	V	Vacacante	29270
4.164	H	Edusat feeds	1733
4.180	H	Cl@se - Canal 22	19510
4.180	H	Discovery Kids - Can	19510
4.180	H	Canal 13 (VC792)	19510
4.180	H	Canal 14 (VC793)	19510
4.180	H	Canal 15 (VC794)	19510
4.180	H	Canal 17	19510
4.180	H	Canal 18	19510
4.180	H	SEA y EMSAD - Can	19510
4.180	H	Telesecundaria - Can	19510
4.180	H	The History Channel	19510

SAM005KI

Freq GHz	Pol	Channel Name	Symbol rate
11.722	H	Feed	30000
11.740	V	DirecWay	30000
11.780	V	DirecWay	30000
11.800	V	DirecWay	30000
11.820	V	DirecWay	30000
11.840	V	DirecWay	30000
11.880	V	DirecWay	30000
11.920	H	DirecWay	30000
11.930	H	Feed	8140
11.960	H	Data Service	20000
11.980	V	DirecWay	30000
12.000	V	DirecWay	30000
12.020	V	DirecWay	30000
12.024	H	ESNE	3000
12.024	H	Radio Catolica El Se	3000
12.028	H	Almavision	2531
12.033	H	Test Card	2532
12.049	V	Feed	1977
12.050	H	Data Service	3105
12.060	V	TV Azteca feeds	5926
12.075	V	Test Card	2222
12.080	H	CCTV 4	25635
12.080	H	CTI TV	25635
12.080	H	TV Polonia	25635
12.080	H	Azio TV	25635
12.080	H	Da Ai TV	25635
12.080	H	ERA News	25635
12.080	H	Hwazan Satellite TV	25635
12.080	H	MAC TV Info Card	25635
12.080	H	Senal Columbia	25635
12.080	H	Tele Amiga Internaci	25635
12.080	H	TeleCaribe	25635
12.080	H	Polskie Radio 1	25635
12.080	H	Polskie Radio 2	25635
12.097	V	Data Service	5000
12.110	H	Feed	2000
12.150	H	Data Service	3150
12.164	H	BYU TV	3935
12.164	H	Data Service	3015
12.182	V	MTV 1	9666
12.182	V	MTV 2	9666
12.182	V	MTV 3	9666
12.182	V	UVE 1	9666
12.182	V	UVE 2	9666
12.196	V	CEM 1	3333
12.196	V	CEM 2	3333

SOLIDARIDAD 2
245.1 East (114.9 West)

SOL002CS

Freq GHz	Pol	Channel Name	Symbol rate
3.720	V	The History Channel	27000
3.720	V	Canal de las Artes	27000
3.720	V	Cl@se	27000
3.720	V	Discovery Kids Ameri	27000
3.720	V	Educacion Superior	27000
3.720	V	Educacion Superior	27000
3.720	V	Educacion Superior	27000
3.720	V	Espacio Edusat	27000
3.720	V	Formacion docente y	27000
3.720	V	Iberoamerica TV	27000
3.720	V	Modelos circulares	27000
3.720	V	Radio Edusat	27000
3.720	V	Servicio Publico	27000
3.720	V	Telesecundaria	27000
3.720	V	test card	27000
3.720	V	TV Unam	27000

SATMEX 6
247.0 East (113.0 West)

SAM006C1

Freq GHz	Pol	Channel Name	Symbol rate
3.733	H	TV Tabasquena	2875
3.744	V	UTEG	2893
3.745	H	Telemax	2976
3.752	V	TELEMAR	2893
3.759	V	MVS TV Test Card	2315
3.762	H	TV Sat	2315
3.764	H	TV Tabasquena	2933
3.768	H	TV Tabasquena	2976
3.784	V	Feed	1735
3.784	H	Tele Michoacan	8789
3.784	H	Radio Michoacan	8789
3.800	V	Canal de las Artes	27000
3.800	V	Discovery Kids Latin	27000
3.800	V	Edusat Test Card	27000
3.821	H	TV Tabasquena	3255
3.838	V	TV Azteca Veracruz	3720
3.847	V	Service 1	3219
3.853	H	GPO IMAGEN	3255
3.856	H	TV Tabasquena	2670
3.858	H	SIS-JAL-RADIO-TV	2803
3.863	H	Azteca Noreste	3200
3.863	H	TV-NUEVO LEON	3200
3.872	H	TV Mexiquense	3617
3.872	H	Radio Mexiquense	3617
3.888	H	Central TV	3100
3.904	H	Canal 9	3617
3.928	V	Canal 7	3720
3.934	V	Radio Sonora	3300
3.934	V	Telemax	3300
3.951	H	Radio 1 de Marzo	3700
3.951	H	SNT	3700
4.058	H	XHST Canal 13	2875
4.075	V	MVS TV Test Card	3782
4.085	V	TV Test Card	2821
4.085	V	TMM TV	2821
4.095	V	MVS TV Test Card	2821
4.115	H	XHRCG Canal 7	2933
4.140	H	Cemesatel	
4.163	H	Hidalgo TV	3300
4.163	H	Hidalgo Radio	3300
4.174	H	TV Nuevo Leon	3200

ANIK F2
248.9 East (111.1 West)

ANI0E2CB

Freq GHz	Pol	Channel Name	Symbol rate
3.740	V	VESN - Virginia Sa	
3.820	V	VESN - Virginia Sa	
3.980	V	VESN - Virginia Sa	
3.866	H	Channel 11	5000
3.967	H	Channel 11	15501
3.990	H	Channel 11	3074
4.000	H	Channel 11	26666

ANI0E2KB

Freq GHz	Pol	Channel Name	Symbol rate
19.776	L	WildBlue Satellite I	15000
19.794	L	WildBlue Satellite I	15000
19.814	L	WildBlue Satellite I	15000
19.905	L	WildBlue Satellite I	22500
19.920	L	WildBlue Satellite I	15000
19.966	L	WildBlue Satellite I	15000
20.002	L	WildBlue Satellite I	15000

ECHOSTAR 8, 10
250.0 East (110.0 West)

ECH008KB

Freq GHz	Pol	Channel Name	Symbol rate
12.224	R	Dish Network Package	20000
12.239	L	Dish Network Package	20000
12.253	R	Dish Network Package	20000
12.268	L	Dish Network Package	20000
12.282	R	Dish Network Package	20000
12.311	R	Dish Network Package	20000
12.326	L	Dish Network Package	20000
12.341	R	Dish Network Package	20000
12.355	L	Dish Network Package	20000
12.370	R	Dish Network Package	20000
12.399	R	Dish Network Package	20000
12.414	L	Dish Network Package	20000
12.428	R	Dish Network Package	20000
12.443	L	Dish Network Package	20000
12.486	R	Dish Network Package	20000
12.516	R	Dish Network Package	20000

ECH010KB

Freq GHz	Pol	Channel Name	Symbol rate
12.370	R	Dish Network Package	20000
12.384	L	Dish Network Package	20000
12.399	R	Dish Network Package	20000
12.457	R	Dish Network Package	20000
12.472	L	Dish Network Package	20000
12.501	L	Dish Network Package	20000
12.516	R	Dish Network Package	20000
12.530	L	Dish Network Package	20000
12.545	R	Dish Network Package	20000
12.559	L	Dish Network Package	20000
12.574	R	Dish Network Package	20000
12.588	L	Dish Network Package	20000
12.603	R	Dish Network Package	20000
12.632	R	Dish Network Package	20000
12.661	R	Dish Network Package	20000

DIRECTV 5
250.2 East (109.8 West)

DTV005KB

Freq GHz	Pol	Channel Name	Symbol rate
12.618	L	DirecTV USA	20000
12.676	L	DirecTV USA	20000

AMC 15
255.0 East (105.0 West)

AMC015KB

Freq GHz	Pol	Channel Name	Symbol rate
11.940	H	DisNetwork Promo	
12.173	H	Feed	17780

AMC 1
257.0 East (103.0 West)

AMC001CB

Freq GHz	Pol	Channel Name	Symbol rate
3.740	V	GMA Pinoy TV	27000
3.740	V	Cadena del Milagro	29270
3.740	V	DW TV	29270
3.740	V	DW 1 Radio	29270
3.740	V	DW 2 Radio	29270
3.740	V	DW 4 Radio	29270
3.840	H	Broadcast 422	26681
3.840	H	East	26681
3.840	H	FEEDS12	26681
3.840	H	FEEDS4	26681
3.840	H	FEEDS7	26681
3.840	H	FEEDS8	26681
3.840	H	FEEDS9	26681
3.840	H	IONLife	26681
3.840	H	IONPlus	26681
3.840	H	Mountain	26681
3.840	H	Pacific	26681
3.840	H	qubo	26681
3.840	H	Worship	26681
3.910	V	KRMA-TV	13340
3.940	V	Comcast SportsNet	29270
3.940	V	KBDI-TV	29270
3.940	V	KCNC-TV	29270
3.940	V	KDVR-TV	29270
3.940	V	KMGH-TV	29270
3.940	V	KRMA-TV	29270
3.940	V	KTVD-TV	29270
3.940	V	KUSA-TV	29270
3.940	V	KWGN-TV	29270
3.940	V	Private Blue Latino	29270
3.940	V	CN8	29270
3.980	V	USS Decor	26663
3.984	H	CTN-LARGO, FL E2	2734
4.005	H	AUX	18800
4.005	H	KEEN	18800
4.005	H	KTLN	18800
4.005	H	SKY1	18800
4.005	H	TLN	18800
4.005	H	WCFC	18800
4.067	H	Feed	3680
4.075	H	NYS LEGISLATIVE C	3000
4.140	H	WSEE-TV	
4.180	V	MLB Extra Innings	19510

AMC001KB

Freq GHz	Pol	Channel Name	Symbol rate
11.760	H	NBC Feed (Ch 14A)	26670
11.840	H	Ch 11A	26670
11.840	H	Ch 12A	26670
11.840	H	Ch 15A	26670
11.840	H	Ch 16A	26670
11.840	H	Ch 17A	26670
11.880	H	Ch 09A	26670
11.880	H	Ch 10A	26670
11.880	H	Ch 13A	26670
11.880	H	Ch 14A	26670
11.938	V	MS3	20000
11.938	V	MS4	20000
11.938	V	MCC	20000
11.938	V	MS20	20000
11.938	V	MS81	20000
11.938	V	SDL	20000
12.022	H	NBC Newschannel Fe	4231
12.028	H	NBC Newschannel F	4231
12.034	H	NBC Newschannel Fe	4231
12.044	H	NBC Newschannel Fe	4231
12.052	H	NBC Newschannel Fe	4231
12.062	V	Market Connect Netwo	4880
12.065	H	NBC Newschannel Feed	4231
12.068	H	NBC Newschannel F	4231
12.074	H	NBC Newschannel F	4231
12.080	H	NBC Newschannel F	4231
12.083	H	NBC Newschannel Feed	4231
12.086	H	NBC Newschannel F	4231
12.092	H	NBC Newschannel Feed	4231
12.096	V	PENTAGON DOLBY AC	20000
12.096	V	PENTAGON CHANNEL	20000
12.105	V	The Pentagon Channel	20000
12.110	H	NBC Newschannel Feed	15000
12.115	H	NBC Newschannel Fe	4231
12.126	H	NBC Newschannel Feed	4231
12.132	H	NBC Newschannel F	4231
12.142	V	MS90	20000
12.142	V	MS92	20000
12.142	V	MS91	20000
12.142	V	MS61	20000
12.177	V	Channel Two	20000
12.177	V	Channel One	20000
12.177	V	FXTV Channel 150	20000
12.177	V	FXTV Channel 200	20000
12.177	V	Test Channel 100	20000
12.177	V	Data Channel	20000

AMC 4
259.0 East (101.0 West)

AMC004CA

Freq GHz	Pol	Channel Name	Symbol rate
3.709	V	CTVN_PGM_1	4578
3.709	V	CTVN_PGM_2	4578
3.716	V	Golden Eagle Broadca	4340
3.722	H	SUPERCANAL CARIBE	3617
3.724	H	SUPERCANAL CARIBE	3617
3.773	V	Channel 1	4442
3.860	H	TLMD East	26670
3.860	H	TLMD Occasional	26670
3.860	H	TLMD West	26670
3.860	H	NBC Central	26670
3.860	H	NBC Ch 15	26670
3.860	H	NBC Ch 17	26670
3.860	H	NBC East	26670
3.860	H	NBC Mountain	26670
3.860	H	NBC Pacific	26670
3.880	V	CNBC	28347
3.880	V	Sci Fi West	28347
3.880	V	FAMILYLAND-TV	28347
3.920	V	A_E West	28347
3.920	V	BET West	28347
3.920	V	Bravo West	28347
3.920	V	Cartoon West	28347
3.920	V	Court TV West	28347
3.920	V	Food Channel West	28347
3.920	V	HGTV West	28347
3.920	V	History West	28347
3.920	V	Oxygen West	28347
3.920	V	The Discovery Channe	28347
3.920	V	The Learning Channel	28347
3.920	V	USA West	28347
3.940	H	AE	28347
3.940	H	EWTN	28347
3.940	H	Food Network	28347
3.940	H	HGTV	28347
3.940	H	History Channel	28347
3.940	H	Inspiration TV	28347
3.940	H	Lifetime	28347
3.940	H	Lifetime Movie Netwo	28347
3.940	H	Lifetime West	28347
3.940	H	Oxygen East	28347
3.940	H	TBN	28347
3.940	H	WGN	28347
3.958	V	FAMILYLAND-TV	6349
3.973	V	Service 1	4362
3.980	H	Homepage	20000
3.982	H	HD Movies	14630
3.982	H	Homepage	14630
3.982	H	Install Interface	14630
3.982	H	Just In Pg1	14630
3.982	H	Just In Pg2	14630
3.982	H	Kids Genre	14630
3.982	H	News Genre	14630
3.982	H	Sports Genre	14630
4.062	H	AMC East	28347
4.062	H	BET East	28347
4.062	H	Cartoon Network East	28347
4.062	H	Comedy Central East	28347
4.062	H	Disney East	28347
4.062	H	MTV East	28347
4.062	H	Nickelodeon East	28347
4.062	H	Sci-Fi Channel East	28347
4.062	H	The Discovery Channe	28347
4.062	H	TLC East	28347
4.062	H	USA East	28347
4.062	H	VH1 East	28347
4.080	V	Animal Planet	28347
4.080	V	C-SPAN	28347
4.080	V	C-SPAN 2	28347
4.080	V	CNN	28347
4.080	V	Discovery Health	28347
4.080	V	Golf Channel	28347
4.080	V	Great American Count	28347
4.080	V	Headline News	28347
4.080	V	QVC	28347
4.080	V	Travel Channel	28347
4.080	V	TV One	28347
4.100	H	FAMILYLAND-TV	28347
4.116	V	FAMILYLAND-TV	2300
4.136	V	FAMILYLAND-TV	2170
4.175	V	FE TV - Far East T	4340
4.175	V	La Familia Network	4340
4.175	V	FE - Far East Radio	4340

AMC004KA

Freq GHz	Pol	Channel Name	Symbol rate
11.730	H	Data	20000
11.735	H	Data	30000
11.791	V	TAN TV 4	19700
11.807	H	Data	2713
11.820	H	TV English	5700
11.820	H	TV Latino	5700
11.820	H	3ABN Radio	5700
11.820	H	3ABN Radio	5700
11.820	H	3ABN Radio	5700
11.820	H	Radio 74	5700
11.845	V	Data	2170
11.860	H	TAN 1/KBS	28140
11.860	H	TAN 2/MBC	28140
11.860	H	TAN 3/SBS	28140
11.860	H	TAN 4/EBS	28140
11.860	H	TAN 5/YTN	28140
11.860	H	APOSTOLIC	28140
11.860	H	Bethel TV	28140
11.860	H	GCN	28140
11.860	H	Gospel Music TV	28140
11.860	H	Miracle TV	28140
11.860	H	TAN TV 6	28140
11.860	H	TAN TV 7	28140
11.860	H	(Empty)	28140
11.967	V	IPDVB Service (0x	4000
11.967	V	RCS Map Table (0x3	4000
11.983	H	ATN Service 2	5900
11.983	H	ATN SERVICE 2	5900
11.983	H	ATN/ACN Service 1	5900
11.983	H	ATN/ACN SERVICE 1	5900
11.983	H	ESPERANZA TV	5900
11.983	H	ESPERANZA TV	5900
11.983	H	Hope Channel	5900
11.983	H	LifeTalk Radio	5900
11.983	H	LIFETALK RADIO	5900
12.018	H	Service 1	2034
12.025	H	401 (unknown channel	5207
12.025	H	402 (unknown channel	5207
12.025	H	ATN/ACN Service 1	5207
12.060	H	01-MSNBC	26700
12.060	H	02-CourtTV	26700
12.060	H	03-Versus	26700
12.060	H	04-National Geograph	26700
12.060	H	05-Fox News	26700
12.060	H	06-Weather Channel	26700
12.060	H	07-CNBC	26700
12.060	H	09-A E History	26700
12.060	H	09-A E Biography	26700
12.060	H	10-A E	26700
12.060	H	FC US	26700
12.120	V	CMC	30000
12.120	V	HRT 1	30000
12.120	V	Planeta	30000
12.120	V	BVN	30000
12.120	V	CGN TV	30000
12.120	V	ETN	30000
12.120	V	Lawyers TV	30000
12.120	V	Suroyo	30000
12.120	V	TRWAM	30000
12.120	V	Vietnam TV	30000
12.120	V	CMC Radio	30000
12.120	V	HRT Radio	30000
12.120	V	BVN RNW 1 Radio	30000
12.120	V	BVN RNW 2 Radio	30000
12.120	V	BVN RNW 3 Radio	30000
12.120	V	BVN RNW 5 Radio	30000
12.120	V	BVN RNW 6 Radio	30000
12.120	V	BVN Rvi 1 Radio	30000
12.120	V	Radio Maryja	30000
12.120	V	STDM Radio	30000
12.120	V	TNT Radio	30000
12.120	V	VPRadio 1	30000
12.120	V	VPRadio 2	30000
12.169	H	RTP Internacional	3003

AMC004KB

Freq GHz	Pol	Channel Name	Symbol rate
11.654	V	CGN TV	30000
11.654	V	DoveVision	30000
11.654	V	GCN TV	30000
11.654	V	HRT TV	30000
11.654	V	SBS	30000
11.654	V	SES Americom Promo	30000
11.654	V	TAN TV	30000
11.654	V	TAN TV 2	30000
11.654	V	HRT Radio	30000
11.704	H	KUIL TV FOX64	2170

DIRECTV 1R, 4, 8
259.1 East (100.9 West)

DTV148KB

Freq GHz	Pol	Channel Name	Symbol rate
12.224	R	DirecTV USA	20000
12.239	L	DirecTV USA	20000
12.253	R	DirecTV USA	20000
12.268	L	DirecTV USA	20000
12.282	R	DirecTV USA	20000
12.297	L	DirecTV USA	20000
12.311	R	DirecTV USA	20000
12.326	L	DirecTV USA	20000
12.341	R	DirecTV USA	20000
12.355	L	DirecTV USA	20000
12.370	R	DirecTV USA	20000
12.384	L	DirecTV USA	20000
12.414	L	DirecTV USA	20000
12.428	R	DirecTV USA	20000
12.443	L	DirecTV USA	20000
12.457	R	DirecTV USA	20000
12.472	L	DirecTV USA	20000
12.486	R	DirecTV USA	20000
12.501	L	DirecTV USA	20000
12.516	R	DirecTV USA	20000
12.530	L	DirecTV USA	20000
12.545	R	DirecTV USA	20000
12.559	L	DirecTV USA	20000
12.574	R	DirecTV USA	20000
12.588	L	DirecTV USA	20000
12.603	R	DirecTV USA	20000
12.618	L	DirecTV USA	20000
12.632	R	DirecTV USA	20000
12.647	L	DirecTV USA	20000
12.661	R	DirecTV USA	20000
12.676	L	DirecTV USA	20000

GALAXY 16
261.0 East (99.0 West)

GXY04RCB

Freq GHz	Pol	Channel Name	Symbol rate
3.742	V	Adhoc Ch 1	28340
3.742	V	Adhoc Ch 3	28340
3.742	V	Adhoc Sig 1 Ch 2	28340
3.742	V	Open	28340
3.742	V	Open Ch 4	28340
3.744	H	SNG	1953
3.776	H	(Empty)	3255
3.780	V	WB Los Angeles Fe	28000
3.786	H	FAMILYNET	5000
3.790	H	KCHF-TV	3256
3.811	H	SNG	2963
3.820	V	WB Los Angeles Fee	28000
3.823	H	DCPUS-NET-TECH	6000
3.825	H	Telesur Campeche	2604
3.880	H	Red Canal 2	29688
3.880	H	Red Canal 9	29688
3.917	H	TELEPUERTO.TXTLA	3124
3.928	H	TELEVER	3124
3.952	H	(Empty)	12299
3.952	H	(Empty)	12299
3.952	H	(Empty)	12299
3.952	H	(Empty)	12299
3.952	H	(Empty)	12299
4.000	H	LESEA Network	26400
4.000	H	WHT - 1	26400
4.000	H	Angel 1&2	26400
4.000	H	Angel 1&2 - 2	26400
4.000	H	Angel 3&4	26400
4.000	H	Angel 3&4 - 2	26400
4.000	H	Angel 4&5	26400
4.000	H	Angel 4&5 - 2	26400
4.000	H	Future 1	26400
4.000	H	Future 1 - 2	26400
4.000	H	Future 2	26400
4.000	H	Future 2 - 2	26400
4.000	H	Future 3	26400
4.000	H	Future 3 - 2	26400
4.000	H	Pulse FM	26400
4.000	H	Pulse FM - 2	26400
4.000	H	Q-Tones	26400
4.020	V	The Shepard's Chapel	
4.040	H	Nueva Vista	
4.140	V	Feed (ABC HD NET-2	29127
4.153	H	SERVICE 1	13235
4.180	V	Cartoon Network Lati	19510
4.180	V	Discovery Channel Me	19510
4.180	V	Fox Sports Latin Ame	19510
4.180	V	MultiCinema	19510
4.180	V	MultiPremier	19510
4.180	V	MVS Feeds	19510
4.180	V	MVS Feeds	19510
4.180	V	MVS Feeds	19510

GXY04RKH

Freq GHz	Pol	Channel Name	Symbol rate
11.800	H	America's Voice	19510
11.800	H	ESPN Extra PPV	19510
11.800	H	ESPN PPV 1	19510
11.800	H	ESPN PPV 2	19510
11.800	H	ESPN PPV 3	19510
11.800	H	ESPN PPV 4	19510
11.800	H	ESPN PPV 5	19510
11.800	H	ESPN PPV 6	19510
11.800	H	ESPN Now	19510
11.840	H	Bravo US	19510
11.840	H	HBO 2 West	19510
11.840	H	HBO Signature West	19510
11.840	H	HGTV US	19510
11.840	H	Love Stories West	19510
11.840	H	Mystery West	19510
11.840	H	Showtime Too West	19510
11.840	H	Starz! Theater West	19510
11.840	H	The History Channel	19510
11.840	H	The Movie Channel We	19510
11.840	H	Westerns West	19510
11.880	H	BBC America	19510
11.920	H	Discovery Health	19510
11.920	H	Discovery Kids	19510
11.920	H	ESPNews	19510
11.920	H	Fox Sports World	19510
11.920	H	Game Show Network	19510
11.920	H	FC US	19510
11.920	H	Noggin	19510
11.920	H	Playboy TV	19510
11.920	H	The Golf Channel	19510
11.920	H	The Science Channel	19510
11.920	H	Turner Classic Movie	19510
11.960	H	Feed	26000
12.060	V	Action West	19510
12.060	V	Cinemax West	19510
12.060	V	Encore West	19510
12.060	V	HBO Family West	19510
12.060	V	HBO West	19510
12.060	V	MoreMax West	19510
12.060	V	Showtime Extreme Wes	19510
12.060	V	Showtime Showcase We	19510
12.060	V	Showtime West	19510
12.060	V	Starz! West	19510
12.060	V	The Movie Channel Xt	19510
12.060	V	True Stories West	19510
12.061	H	USPS TV	3125
12.077	H	PSTN 15	9000
12.077	H	PSTN 17	9000
12.077	H	PSTN 19	9000
12.077	H	PSTN 23	9000
12.160	H	DIY - Do It Yourse	19510
12.160	H	Fox Gold Atlantic	19510
12.160	H	Fox Gold Central	19510
12.160	H	Fox Gold Pacific	19510
12.160	H	Great American Count	19510
12.160	H	HBO Network	19510
12.160	H	NUE TV	19510
12.160	H	The Word Network	19510

GXY04RKY

Freq GHz	Pol	Channel Name	Symbol rate
11.780	V	A&E History Internat	19510
11.780	V	Lifetime Movie Netwo	19510
11.780	V	MTV 2 US	19510
11.780	V	MuchMusic USA	19510
11.780	V	Nick Gas	19510
11.780	V	Style	19510
11.780	V	The Biography Channe	19510
11.780	V	Toon Disney	19510
11.780	V	TRIO	19510
11.820	V	Discovery Civilizati	19510
11.820	V	Discovery Home & Lei	19510
11.820	V	Discovery Wings	19510
11.820	V	ESPN 2	19510
11.820	V	ESPN Alternate	19510
11.820	V	National Geographic	19510
11.820	V	Speed Channel	19510
11.820	V	VH1 Classic	19510
11.820	V	VH1 Country	19510
11.820	V	50's Golden Oldies	19510
11.820	V	70's Oldies	19510
11.820	V	80's Hits	19510
11.820	V	Acid Jazz	19510
11.820	V	Album Rock	19510
11.820	V	Children's	19510
11.820	V	Classic Hits Blend	19510
11.820	V	Coffee House Rock	19510
11.820	V	Contemporary Christi	19510
11.820	V	Contemporary Instrum	19510
11.820	V	Dance	19510
11.820	V	Great Standards	19510
11.820	V	Holidays and Happeni	19510
11.820	V	Hot Country	19510
11.820	V	Lite Jazz	19510
11.820	V	New Age	19510
11.820	V	R&B Rap Hits	19510
11.820	V	Reggae	19510
11.820	V	Retro Dance	19510
11.820	V	Soft Hits	19510
11.860	H	Bravo US	19510
11.860	H	HGTV US	19510
11.860	H	HBO 2 East	19510
11.860	H	HBO Signature East	19510
11.860	H	Love Stories East	19510
11.860	H	Mystery East	19510
11.860	H	Showtime Too East	19510
11.860	H	Starz! Theater East	19510
11.860	H	The History Channel	19510
11.860	H	The Movie Channel Ea	19510
11.860	H	Westerns East	19510
11.880	H	60's Oldies	19510
11.880	H	Adult Contemporary	19510
11.880	H	Alternative Rock	19510
11.880	H	Classic Rock	19510
11.880	H	Lite Classical	19510
11.880	H	Urban Beat	19510
11.900	V	In Demand 1	19510
11.900	V	In Demand 2	19510
11.900	V	In Demand 3	19510
11.900	V	In Demand 4	19510
11.900	V	In Demand 5	19510
11.900	V	In Demand 6	19510
11.900	V	Outdoor Life Network	19510
11.900	V	Sci Fi	19510
11.900	V	The Hot Network	19510
11.900	V	TV Land	19510
11.900	V	WE - Women's Enterta	19510
11.900	V	Alternative Rock	19510
11.900	V	Hottest Hits	19510
11.900	V	Jazz Vocal Blends	19510
11.900	V	Listening Room	19510
11.900	V	Modern Country	19510
11.940	V	BET on Jazz	19510
11.940	V	Black Starz! East	19510
11.940	V	Newsworld Internatio	19510
11.940	V	Ovation - The Arts N	19510
11.940	V	Spice 2	19510
11.940	V	Sundance Channel We	19510
11.940	V	The Box Edge	19510
11.940	V	The International Ch	19510
11.940	V	The Outdoor Channel	19510
11.940	V	VH1 Soul	19510
11.940	V	Blues	19510
11.940	V	Classic Jazz	19510
11.940	V	Gospel	19510
11.940	V	Lite Classical	19510
11.940	V	Rap	19510
11.940	V	Symphonic	19510
11.940	V	Trends	19510
11.940	V	Urban Adult Contempo	19510
12.040	H	Action East	19510
12.040	H	Cinemax East	19510
12.040	H	Encore East	19510
12.040	H	HBO East	19510
12.040	H	HBO Family East	19510
12.040	H	MoreMax East	19510
12.040	H	Showtime East	19510
12.040	H	Showtime Extreme Ea	19510
12.040	H	Showtime Showcase Ea	19510
12.040	H	Starz! East	19510
12.040	H	The Movie Channel Xt	19510
12.040	H	True Stories East	19510
12.120	H	DirecWay	30000
12.140	V	Bloomberg TV US	19510
12.140	V	Fox Movie Channel	19510
12.140	V	Goodlife TV Network	19510
12.140	V	Spice	19510
12.140	V	Tech TV	19510
12.140	V	The Inspirational Lif	19510
12.140	V	Trinity Broadcasting	19510
12.187	V	01-CNN	8500
12.187	V	02-MSNBC	8500
12.187	V	03-CNBC	8500
12.187	V	Alt 01-CNN	8500
12.187	V	HeadCast	8500
12.187	V	04-Channel 4	8500

TV Digital | Radio Digital | TV Digital Crypt | Radio Digital Crypt | TV High Definition | TV High Definition Crypt | Data Channel | TV Analog | Radio Analog

GALAXY 25
263.0 East (97.0 West)

GXY025CB

3.762 V	TCT NETWORK	4615
3.762 V	TCT WORLD	4615
3.906 V	LDS feed (AsiaPacifi	4166
3.923 V	LDS feed (North Amer	3426
4.055 V	LDS Feeds ({Empty	3750

GXY025KB

11.748 V	Channel 1	7230
11.748 V	Channel 1	7230
11.748 V	Channel 2	7230
11.748 V	Channel 2	7230
11.748 V	Channel 3	7230
11.748 V	Channel 3	7230
11.748 V	Channel 4	7230
11.748 V	Channel 4	7230
11.789 V	BN BOSNIA	28125
11.789 V	Globecast 218	28125
11.789 V	Israel Plus	28125
11.789 V	TVK	28125
●11.789 V	WCQ	28125
11.789 V	Al Karma	28125
11.789 V	AL MAGHRIBIA	28125
11.789 V	Canal Algerie	28125
11.789 V	Globecast 63	28125
11.789 V	MHz Worldview	28125
●11.789 V	Peace TV	28125
11.789 V	STV Bangla	28125
11.789 V	BN Bosnia Radio	28125
11.789 V	Al Maghiribia Radio	28125
11.789 V	Globecast 78	28125
11.789 V	Radio Internationale	28125
11.789 V	TDA-1	28125
11.836 V	AL-ALAM	20770
11.836 V	AL-ALAM	20770
11.836 V	APPADANA INT	20770
11.836 V	APPADANA INT	20770
11.836 V	Cyrus TV	20770
11.836 V	Cyrus TV	20770
11.836 V	Daystar TV	20770
11.836 V	Daystar TV	20770
11.836 V	GNF Music	20770
11.836 V	IRIB 2	20770
11.836 V	IRIB 2	20770
11.836 V	IRINN	20770
11.836 V	IRINN	20770
11.836 V	NTD	20770
11.836 V	NTD	20770
●11.836 V	Payam E Azadi	20770
11.836 V	TV 7 TUNIS	20770
11.836 V	TV 7 TUNIS	20770
11.836 V	TV Nejat	20770
11.836 V	TV Nejat	20770
11.836 V	INT 1	20770
11.836 V	INT 1	20770
11.836 V	INT 3	20770
11.836 V	INT 3	20770
11.836 V	INT 4	20770
11.836 V	INT 4	20770
●11.836 V	Micro Effect	20770
11.836 V	Next	20770
11.836 V	Overcomer/Star4	20770
11.836 V	Overcomer/Star4	20770
11.836 V	Quran Radio	20770
11.836 V	Quran Radio	20770
11.836 V	RADIO MAAREF	20770
11.836 V	RADIO MAAREF	20770
11.836 V	RADIO SARASARI	20770
11.836 V	RADIO SARASARI	20770
11.836 V	Radio Seday-e Ashna	20770
11.836 V	Radio Seday-e Ashna	20770
11.836 V	RBN radio	20770
11.836 V	RBN radio	20770
11.836 V	STAR1&2	20770
11.836 V	STAR1&2	20770
11.836 V	Star5 and AVR	20770
11.836 V	Star5 and AVR	20770
11.836 V	Tunis Radio1	20770
11.836 V	Tunis Radio1	20770
11.836 V	Tunis Radio2	20770
11.836 V	Tunis Radio2	20770
11.874 H	Globecast 217	22000
11.874 H	RTV21	22000
11.874 H	RTV21	22000
11.874 H	Studio 1+1	22000
11.874 H	Studio 1+1	22000
11.874 H	Top Channel	22000
11.874 H	Top Channel	22000
11.874 H	Ariana Afghan	22000
11.874 H	Ariana Afghan	22000
11.874 H	AZ TV	22000
11.874 H	DMC	22000
11.874 H	DMC	22000
●11.874 H	Globecast 213	22000
11.874 H	Globecast 217	22000
11.874 H	KJC TV	22000
11.874 H	KJC TV	22000
11.874 H	NurTV	22000
11.874 H	Telepace	22000
11.874 H	Telepace	22000
11.874 H	The Old Path	22000
11.874 H	The Old Path	22000
11.874 H	Globecast 210	22000
11.874 H	GLR Radio 1	22000
11.874 H	GLR Radio 1	22000
11.874 H	RTV21 Radio	22000
11.874 H	RTV21 Radio	22000
11.874 H	DZAR radio	22000

11.874 H	DZAR radio	22000
11.874 H	Futbol DP	22000
11.874 H	Futbol DP	22000
11.874 H	Globecast 210	22000
11.874 H	Top Albanian Radio	22000
11.874 H	Top Albanian Radio	22000
11.898 V	Amrita TV	22000
11.898 V	Asianet	22000
11.898 V	Asianet News	22000
11.898 V	Asianet Plus	22000
11.898 V	RTR Planeta	22000
11.898 V	RTR Sport	22000
11.898 V	SetantaSports	22000
●11.898 V	Shalom TV	22000
11.898 V	ARTN TV	22000
11.898 V	Globecast 755	22000
11.898 V	NTA	22000
11.991 V	CTN	22000
11.991 V	ERI TV	22000
11.991 V	Pink Plus	22000
11.991 V	Setanta 2	22000
11.991 V	Al Forat	22000
11.991 V	Kuwait TV	22000
11.991 V	M2 Morocco	22000
11.991 V	Setanta Adhoc	22000
11.991 V	Simay Azadi	22000
11.991 V	259 Test	22000
11.991 V	261 Test	22000
11.991 V	262 Test	22000
11.991 V	271 Test	22000
11.991 V	ERI Radio- T	22000
11.991 V	Radio Pink	22000
11.991 V	Al Forat Radio	22000
11.991 V	ERI Radio A	22000
11.991 V	M2 Morocco Radio	22000
11.991 V	Test 243	22000
11.999 H	KISB-002	20000
11.999 H	KISB-003	20000
11.999 H	KISB-006	20000
11.999 H	Al Jazeera English	20000
11.999 H	Jordan TV	20000
11.999 H	KISB-001	20000
11.999 H	KISB-004	20000
11.999 H	KISB-005	20000
11.999 H	KISB-007	20000
11.999 H	Saudi TV2	20000
11.999 H	TV Cancao Nova	20000
11.999 H	KISB Radio-001	20000
11.999 H	Radio Cancao Nova	20000
●12.007 V	Knowledge Channel	3000
12.007 V	AssyriaSat	3000
12.053 V	Bridges TV	22000
12.053 V	EuroNews	22000
12.053 V	NTV Hayat	22000
12.053 V	Pink Extra	22000
12.053 V	RSC 1 Romania	22000
12.053 V	RSC 2 Romania	22000
12.053 V	RSC3 PROTV INT	22000
12.053 V	Press TV	22000
12.053 V	'70s	22000
12.053 V	'80s	22000
12.053 V	Adult Alt.	22000
12.053 V	Adult Top 40	22000
12.053 V	Arena Rock	22000
12.053 V	Big Band	22000
12.053 V	Bluegrass	22000
12.053 V	Blues	22000
12.053 V	Christian	22000
12.053 V	Class/Master	22000
12.053 V	Classic R&B	22000
12.053 V	Classic rock	22000
12.053 V	Classic/Ctry	22000
12.053 V	Cont/Instrum	22000
12.053 V	Dance	22000
12.053 V	Easy/Listen	22000
●12.053 V	Hip Hop / R&B	22000
12.053 V	Hit List	22000
12.053 V	Int'l/Love	22000
12.053 V	Jazz	22000
12.053 V	Light/Class	22000
●12.053 V	Lite Hits	22000
12.053 V	Mexicana	22000
12.053 V	Oldies	22000
12.053 V	Pop Latino	22000
●12.053 V	R&B Soul	22000
12.053 V	Reggae	22000
12.053 V	Reggaeton	22000
12.053 V	Retro-Active	22000
12.053 V	Rock	22000
12.053 V	Rock/Espanol	22000
12.053 V	Salsa/Mereng	22000
12.053 V	Seasons	22000
12.053 V	Singer/Stand	22000
12.053 V	Smooth Jazz	22000
12.053 V	Soundscapes	22000
12.053 V	Taste/Italy	22000
12.053 V	Tejano	22000
12.053 V	Today's/Ctry	22000
12.053 V	Party/Favs	22000
12.053 V	RFI /MC M O	22000
12.084 V	ASC Flix	22000
12.084 V	ASC Xtra	22000
12.084 V	Polsat	22000
12.084 V	Tele5	22000
12.084 V	TV Polonia	22000
12.084 V	TVP 3	22000
12.084 V	AZ TV	22000
12.084 V	BVN TV	22000
12.084 V	EBRU TV	22000
12.084 V	Samanyolu TV	22000
12.084 V	Latino Broadcasting	22000
12.084 V	AZ Radio	22000
12.084 V	PolskieRadio1	22000
12.084 V	PolskieRadio3	22000
12.084 V	RNW 1	22000
12.084 V	RNW 2	22000
12.084 V	RNW 3	22000
12.084 V	RVI-1	22000
12.090 H	IPTV DRAMA	20000
12.090 H	IPTV VARIETY	20000
●12.090 H	TV3 Cambodia	20000
12.090 H	ZHONG	20000
12.090 H	ABN	20000
12.090 H	ANDISHEH TV	20000
12.090 H	ARIA INTERNATIONA	20000
12.090 H	CHANNEL ONE	20000
12.090 H	HZTV	20000
12.090 H	IPTV NEWS	20000
12.090 H	IPTV SHOPPING	20000
12.090 H	ISHTAR TV	20000
●12.090 H	LAO Champa TV	20000
●12.090 H	Lao TV5	20000
12.090 H	LIVE CHANNEL	20000
12.090 H	NAT TV	20000
12.090 H	PARS TV	20000
12.090 H	TAMASHA	20000
12.090 H	DWRR	20000
12.090 H	DZMM	20000
12.090 H	RSI	20000
●12.115 V	HORIZON ARMENIAN	22425
●12.115 V	CTV 1	22425
●12.115 V	CTV 1	22425
●12.115 V	CTV 2	22425
●12.115 V	E2 Channel	22425
●12.115 V	HORIZON ARMENIAN	22425
12.115 V	IPTV SHOPPING	22425
●12.115 V	NEWS1	22425
●12.115 V	PAM TV	22425
●12.115 V	PITCOMM1	22425
●12.115 V	PITCOMM2	22425
●12.115 V	Product Info CH1	22425
●12.115 V	Product Info CH2	22425
●12.115 V	Shop Latino TV	22425

●12.115 V	SPIRIT TV	22425
●12.115 V	Ten TV	22425
●12.115 V	THRIVE 1	22425
●12.115 V	THRIVE 2	22425
●12.115 V	Variety	22425
●12.115 V	Stream on	22425
●12.115 V	WTPRN	22425
●12.115 V	WTPRN	22425
●12.115 V	MPEG 4	22425
●12.115 V	MPEG 4	22425
12.122 H	Affiliate Channel	20000
12.122 H	Affiliate Channel	20000
12.122 H	RTS	20000
12.122 H	RTS	20000
12.122 H	ARIA International	20000
12.122 H	ARIA International	20000
●12.122 H	CHANNEL ONE	20000
12.122 H	DA-AI	20000
12.122 H	DA-AI	20000
12.122 H	KAFGTV	20000
12.122 H	KAFGTV	20000
12.122 H	LOVEWORLD	20000
12.122 H	LOVEWORLD	20000
12.122 H	MAC TV	20000
●12.122 H	Markazi TV	20000
●12.122 H	NOORTV	20000
12.122 H	PAYAM E AFGHAN	20000
●12.122 H	Payam-E-Afghan	20000
●12.122 H	RSI	20000
●12.146 V	Abu Dhabi sport	22000
●12.146 V	Al-Iraqiya	22000
12.146 V	CTV	22000
●12.146 V	Jamahirya TV	22000
●12.146 V	Jordan TV	22000
●12.146 V	Oman TV	22000
●12.146 V	Qatar TV	22000
●12.146 V	Saudi TV1	22000
●12.146 V	Sharjah TV	22000
●12.146 V	Sudan TV	22000
●12.146 V	Syrian TV	22000
●12.146 V	YEMEN TV	22000
●12.146 V	Aden Radio	22000
●12.146 V	Emirates FM	22000
●12.146 V	Main General Program	22000
●12.146 V	Oman radio	22000
●12.146 V	Oman-Holy Quran	22000
●12.146 V	Program One	22000
●12.146 V	Quatar radio	22000
●12.146 V	Radio Omduman Holy K	22000
●12.146 V	Radio Quran	22000
●12.146 V	Republic Of Iraq Rad	22000
●12.146 V	Sana'a radio	22000
●12.146 V	Sharjah FM	22000
●12.146 V	Sudan Radio	22000
●12.146 V	Voice Of People	22000
●12.146 V	Voice of Youth	22000
●12.152 H	Didar	20000
12.152 H	Didar	20000
12.152 H	ETV	20000
●12.152 H	ETV	20000
12.152 H	Iran TV	20000
●12.152 H	Iran TV	20000
●12.152 H	Jaam-E-Jam	20000
12.152 H	Jaam-E-Jam	20000
12.152 H	Omid-E-Iran	20000
●12.152 H	Omid-E-Iran	20000
●12.152 H	PEN TV	20000
12.152 H	Tapesh TV	20000
●12.152 H	Tapesh TV	20000
12.152 H	Tasvir Iran	20000
●12.152 H	Tasvir Iran	20000
12.152 H	Thai Asia	20000
●12.152 H	Thai Asia	20000
●12.152 H	Bahai Radio	20000
12.152 H	Bahai Radio	20000
12.152 H	EthiopianRadio	20000
●12.152 H	EthiopianRadio	20000
12.152 H	Globecast 13	20000
●12.152 H	Globecast 13	20000
●12.152 H	KRSI	20000
12.152 H	KRSI	20000
●12.152 H	KW1L/KW1R	20000
12.152 H	KW1L/KW1R	20000
●12.152 H	KW2L/KW2R	20000
12.152 H	KW2L/KW2R	20000
●12.152 H	Radio Seoul	20000
12.152 H	Radio Seoul	20000
12.177 V	CCN	23000
●12.177 V	CCN	23000
12.177 V	AMG TV	23000
12.177 V	AMG TV	23000
12.177 V	BTV	23000
12.177 V	BTV	23000
12.177 V	CHURCH CHANNEL	23000
12.177 V	CHURCH CHANNEL	23000
12.177 V	Emmanuel TV	23000
12.177 V	Emmanuel TV	23000
12.177 V	FTV	23000
12.177 V	FTV	23000
12.177 V	GODS LEARNING CH	23000
12.177 V	GODS LEARNING CH	23000
12.177 V	JCTV	23000
12.177 V	JCTV	23000
12.177 V	KURD TV	23000
12.177 V	KURD TV	23000
12.177 V	SOAC	23000
12.177 V	SOAC	23000
12.177 V	TBN	23000
12.177 V	TBN	23000
12.177 V	TBN ENLACE	23000
12.177 V	TBN ENLACE	23000
12.177 V	TBN Russia	23000
12.177 V	TBN Russia	23000
12.177 V	TCS-TV	23000
12.177 V	TCS-TV	23000
●12.177 V	AFN IRAN	23000
12.177 V	ASIAN FM	23000
12.177 V	Asian FM	23000
12.177 V	Best NCE	23000
12.177 V	Best NCE	23000
12.177 V	Glas Drine BiH	23000
12.177 V	Glas Drine BiH	23000
12.177 V	KIRN RADIO 670 AM	23000
●12.177 V	KNLB FM Christian	23000
●12.177 V	KNLB FM Christian	23000
●12.177 V	Radio Hmong	23000
●12.177 V	Radio Hmong	23000
12.177 V	WRN Eng NAM	23000
12.177 V	WRN Eng NAM	23000
●12.177 V	WRN Fra EUR	23000
12.177 V	WRN Fra EUR	23000
12.177 V	WRN Mul NAM	23000
12.177 V	WRN Mul NAM	23000

GALAXY 3C
265.0 East (95.0 West)

GXY03CCH

3.842 H	NPS - AB	11000
3.842 H	NPS - CB	11000
3.842 H	NPS - FO	11000
3.842 H	NPS - NB	11000
3.914 H	Horse/Dog Racing F	3074
3.923 H	Horse/Dog Racing F	3074
3.927 H	Horse/Dog Racing F	3074
3.937 H	Horse/Dog Racing F	3074
3.945 H	Horse/Dog Racing F	3074
3.953 H	Horse/Dog Racing F	3074
3.958 H	Horse/Dog Racing F	3074
3.963 H	Horse/Dog Racing F	3074
3.968 H	Horse/Dog Racing F	3074
3.972 H	Horse/Dog Racing F	3074
3.977 H	Horse/Dog Racing F	3074

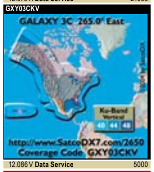
GXY03CCV

3.730 V	LATV HOUSTON	8825
3.730 V	Fusion TV	8825
3.730 V	INN News	8825
3.745 V	FAITHTV	2206
3.754 V	INN News	3978
3.767 V	Service 2	6111
3.885 H	Horse/Dog Racing F	3074
3.890 H	Horse/Dog Racing F	3074
3.908 H	Horse/Dog Racing F	3074
3.917 H	Horse/Dog Racing F	3074
3.925 H	Horse/Dog Racing F	3074
3.929 H	Horse/Dog Racing F	3074
3.934 H	Horse/Dog Racing F	3074
3.939 H	Horse/Dog Racing F	3074
3.943 H	Horse/Dog Racing F	3074
3.948 H	Horse/Dog Racing F	3074
3.956 H	Horse/Dog Racing F	3074
3.969 H	Horse/Dog Racing F	3074
3.979 H	Horse/Dog Racing F	3074
3.983 H	Horse/Dog Racing F	3074
3.996 H	Horse/Dog Racing F	3074
4.040 H	DAYSTAR-C	29110
4.040 H	KUOK C	29110
4.040 H	WBTW	29110
4.040 H	WJMF	29110
4.040 H	WNGS-C	29110
4.040 H	WSAV	29110
4.040 H	WUDT	29110
4.040 H	WUVF C	29110
4.100 V	ESPN	28640
4.100 V	ESPN 2	28640
4.100 V	Fox News Channel	28640
4.100 V	HGTV	28640
4.100 V	Lifetime	28640
4.100 V	Lifetime Movie Netwo	28640
4.100 V	Starz! East	28640
4.100 V	The Discovery Channe	28640
4.100 V	The Disney Channel	28640
4.100 V	The Food Network	28640
4.100 V	The Learning Channel	28640
4.100 V	Toon Disney	28640
4.100 V	USDTV - US Digital	28640
4.168 V	LPTV1	6617
4.168 V	LPTV2	6617
4.168 V	LPTV3	6617
4.168 V	LPTV4	6617
4.168 V	LPTV5	6617
4.176 V	CATV	6617
4.176 V	TV DOMINICANA	6617

GXY03CKH

11.780 H	CCTV 4	20759
11.780 H	CCTV 9	20759
11.780 H	CCTV E&F	20759
11.810 H	HRTV	20000
11.810 H	OTBED	20000
11.810 H	OTBHP	20000
11.810 H	RTN1	20000
11.810 H	RTN11	20000
11.810 H	RTN12	20000
11.810 H	RTN13	20000
11.810 H	RTN14	20000
11.810 H	RTN15	20000
11.810 H	RTN16	20000
11.810 H	RTN17	20000
11.810 H	RTN18	20000
11.810 H	RTN19	20000
11.810 H	RTN2	20000
11.810 H	RTN20	20000
11.810 H	RTN22	20000
11.810 H	RTN3	20000
11.810 H	RTN4	20000
●11.810 H	RTN41	20000
11.810 H	RTN5	20000
11.810 H	RTN6	20000
11.810 H	RTN7	20000
11.810 H	RTN8	20000
11.810 H	RTN9	20000
11.810 H	CHNL44	20000
11.810 H	MTI1	20000
11.810 H	MTI2	20000
11.810 H	{Empty}	20000
11.907 H	Feed	4296
12.050 H	ATV	20000
12.050 H	PSTV	20000
12.050 H	PTVN	20000
12.050 H	RTN21	20000
12.050 H	RTN22	20000
12.050 H	RTN23	20000
12.050 H	RTN24	20000
12.050 H	RTN25	20000
12.050 H	RTN26	20000
12.050 H	RTN27	20000
12.050 H	RTN28	20000
12.050 H	RTN29	20000
12.050 H	RTN30	20000
12.050 H	RTN31	20000
12.050 H	RTN32	20000
12.050 H	RTN33	20000
12.050 H	RTN34	20000
12.050 H	RTN35	20000
12.050 H	RTN36	20000
12.050 H	RTN37	20000
12.050 H	RTN38	20000
12.050 H	RTN39	20000
12.050 H	RTN40	20000
12.050 H	AON	20000
12.050 H	MACTV	20000
12.076 H	Data Service	21088

GXY03CKV



12.086 V	Data Service	5000

GALAXY 26
267.0 East (93.0 West)

INTAM6CB

3.720 V	TENMax	
3.760 V	ABC East	
3.840 V	TENXsty	
3.860 H	PBS X	
3.940 H	ABC West	

INTAM6KB

11.711 V	CBS NEWSPATH	14312
●11.711 V	CBS 2	14312
11.827 V	BTV CH 603	8429
11.827 V	BTV CH 601	8429
11.827 V	BTV CH 602	8429
11.827 V	BTV CH 527	8429
11.834 V	BTV CH 605	20510
11.836 H	Classic Arts Showcas	7180
11.836 H	DEFAULT	7180
11.836 H	iSkyCom	7180
11.836 H	SBS	7180
11.836 H	Up Sessions	7180
11.836 H	WOW	7180
11.836 H	YTN	7180
11.847 H	ODU Channel A	7466
11.847 H	ODU Channel B	7466
11.847 H	ODU Channel C	7466
11.847 H	ODU Channel D	7466
11.847 H	ODU Channel E	7466
11.847 H	ODU Channel F	7466
11.870 V	AAFES	4167
11.870 V	AAFES	4167
11.870 V	AGHAPY	4167
11.870 V	AGHAPY	4167
11.870 V	AGHAPY	4167
11.877 V	HDTV-English	5079
11.877 V	HDTV-EnglishAltern	5079
11.877 V	HDTV-French	5079
11.877 V	HDTV-FrenchAlterna	5079
11.877 V	HDTV-Spanish	5079
11.877 V	HDTV-SpanishAltern	5079
11.890 H	Channel 1	3000
11.905 V	CHANNEL 2	5000
11.905 V	Default Channel 1	5000
11.905 V	Non-IRS users	5000
11.911 H	McGee Tyson Ch1	2999
11.911 H	McGee Tyson Ch2	2999
11.911 H	McGee Tyson Ch3	2999
11.930 V	Test Card	
12.049 V	ABC News Now	3979
12.079 H	CNN Headline News	4000
12.080 H	Justice Television N	5070
12.080 H	Justice Television N	5070
12.086 H	Fish and Wildlife Ch	3010
12.086 H	Fish and Wildlife Ch	3010
12.086 H	Keesler AFB Ch1	3010
12.086 H	Keesler AFB Ch2	3010
12.096 H	Wright Patterson Ch	4500
12.096 H	Wright Patterson Ch	4500
12.096 H	Wright Patterson Ch	4500
12.096 H	Wright Patterson Ch	4500
12.096 H	Wright Patterson Ch	4500
12.096 H	Wright Patterson Ch	4500
12.096 H	Wright Patterson Ch	4500
12.096 H	Wright Patterson Ch	4500
12.112 V	IVT - Intl Validat	19170
12.112 V	IVT - Intl Validat	19170
12.112 V	IVT - Intl Validat	19170
12.112 V	IVT - Intl Validat	19170
12.112 V	IVT - Intl Validat	19170
12.112 V	IVT - Intl Validat	19170
12.112 V	IVT - Intl Validat	19170
12.112 V	IVT - Intl Validat	19170
12.112 V	IP TV Channel 21	19170
12.112 V	NIMA Data Channel	19170
12.132 H	Fox News Channel	3105
12.146 V	DMX Music Package	
12.161 H	f	6150
12.175 V	Lord & Taylor Video	5147
12.175 V	MACYS 4	5147
12.175 V	MACYS 5	5147
12.175 V	Flower Show	5147
12.175 V	JR/YM MUSIC	5147
12.175 V	LT	5147

C-Band: BRASILSAT 4
268.0 East (92.0 West)

BRA0B4CB

3.656 H	TV Antena 10	3150
3.656 H	TV Antena 10	3150
3.665 H	CB Leiloes	3214
3.665 H	CB Leiloes	3214
3.670 H	Feeds (NoName)	3214
3.684 H	Rede NGT	4780
3.836 H	Rede Mulher feeds	4444
3.836 H	Rede Mulher feeds (n	4444
3.844 V	TV Rio Negro	3255
3.851 V	Estacao TV	3617
3.925 V	TV Aparecida	2967
3.925 V	Radio Aparecida AM	2967
3.925 V	Radio Aparecida FM	2967
3.928 V	TVBV	2700
3.933 V	TV Tapajos	4000
3.933 V	FM 94	4000
3.956 V	TV Gazeta AL	4285

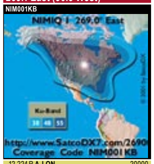
GALAXY 11
269.0 East (91.0 West)

GXY011CB

3.720 H	The CW Central/Mount	26700
3.720 H	The CW East	26700
3.720 H	The Cw West	26700
3.740 V	Fox Sports Feeds	27800
3.780 V	FX West	30000
3.800 H	ALT 1	30000
3.800 H	ALT 2	30000
3.800 H	FX East	30000
3.800 H	FX West	30000
3.800 H	Out of Svc	30000
3.800 H	Out Service 248	30000
3.800 H	PPV	30000
3.800 H	TVG	30000
3.820 V	Atlantic	30000
3.820 V	Central	30000
3.820 V	FMC	30000
3.820 V	Fox News	30000
3.820 V	Nat Geo	30000
3.820 V	Network B/U	30000
3.820 V	Pacific	30000
3.820 V	FMC CRN	30000
3.840 H	HD Channel 6	29250
3.840 H	CRS ALT AC3	29250
3.840 H	CRS ALT MPEG	29250
3.840 H	Detroit Local	29250
3.840 H	mtn	29250
3.840 H	Sports Net West	29250
3.840 H	VERSUS AC3	29250
3.840 H	VERSUS MPEG	29250
3.860 V	Espanol	30000
3.860 V	Fuel	30000
3.860 V	Future 1	30000
3.860 V	Reality	30000
3.860 V	Soccer	30000
3.860 V	Speed	30000
3.860 V	Future 2	30000
3.860 V	Future 2-Dig	30000
3.920 H	Africa	26000
3.920 H	Europe audios 3 & 4	26000
3.920 H	ac-3 US domestic	26000
3.920 H	Africa	26000
3.920 H	Canada	26000
3.920 H	Canada	26000
3.920 H	Canada AC-3	26000
3.920 H	David Radio	26000
3.920 H	David Radio	26000
3.920 H	Domestic	26000
3.920 H	Domestic	26000
3.920 H	Domestic-English onl	26000
3.920 H	Domestic-English onl	26000
3.920 H	Enc7 AC3	26000
3.920 H	Europe	26000
3.920 H	Europe	26000
3.920 H	Europe audios 3 & 4	26000
3.920 H	latin AC-3	26000
3.920 H	PAC RIM	26000
3.920 H	PAC RIM	26000
3.920 H	Radio 95	26000
3.920 H	Radio 95	26000
3.920 H	Radio 96	26000
3.920 H	Radio 96	26000
3.920 H	Real SP & Radio	26000
3.920 H	Real SP & Radio	26000
3.920 H	Span Dom	26000
3.920 H	Span Dom	26000
3.920 H	Span Int	26000
3.920 H	Span Int	26000
3.920 H	UK/Ireland	26000
3.920 H	UK/Ireland	26000
3.920 H	WEWN	26000
3.920 H	WEWN	26000
3.920 H	covenant	26000
3.920 H	covenant	26000
3.920 H	Dalet-Astra	26000
3.920 H	Dalet-Astra	26000
3.920 H	EWTN Audio Test	26000
3.920 H	EWTN Audio Test	26000
3.920 H	Fund Appeal	26000
3.920 H	Fund Appeal	26000
3.920 H	Occasional	26000
3.920 H	Occasional	26000
3.920 H	Radio 97	26000
3.920 H	Radio 97	26000
3.920 H	Radio 98	26000
3.920 H	Radio 98	26000
3.920 H	radio Direct	26000
3.920 H	radio Direct	26000
3.920 H	Radio Pas	26000
3.920 H	Radio Pas	26000
3.920 H	Sirius satellite rad	26000
3.920 H	Sirius satellite rad	26000
3.920 H	wewn	26000
3.920 H	wewn	26000
3.920 H	WQOP-IHR	26000
3.920 H	WQOP-IHR	26000
4.007 H	KLUZ-TV	2480
4.014 H	THE WORD NETWORK	6620
4.040 H	Fox Sports Feeds	27800
4.082 H	SHOP AT HOME	3300
4.089 H	JEWELRY TV	3300
4.092 H	ADHOC	2170
4.120 H	The Hallmark Channel	19510
4.135 H	TOC - DVIDS 1	6112
4.135 H	TOC - DVIDS 1	6112
4.135 H	TOC - DVIDS 2	6112
4.135 H	TOC - DVIDS 2	6112
4.140 V	TOC - DVIDS 2	6112
12.060 V	FETN	26700
12.060 V	FETN	26700
12.060 V	HSTN	26700
12.060 V	HSTN	26700
12.060 V	LETN	26700
12.060 V	LETN	26700
12.060 V	LTCN	26700
12.060 V	LTCN	26700
12.060 V	Occasional Use - 4	26700
12.060 V	Occasional Use - 4	26700
12.060 V	TXCN	26700
12.060 V	TXCN	26700
12.060 V	Occasional Use - 1	26700
12.060 V	Occasional Use - 1	26700
12.060 V	Occasional Use - 2	26700
12.060 V	Occasional Use - 2	26700
12.060 V	Occasional Use - 3	26700
12.060 V	Occasional Use - 3	26700
12.060 V	AAFES	26700
12.060 V	AAFES	26700

NIMIQ 1
269.1 East (90.9 West)

NIM001KB



12.224 R	A-LON	20000
12.224 R	A-LON	20000
12.224 R	CBC-L	20000
12.224 R	CBC-L	20000
12.224 R	CPAC	20000
12.224 R	CPAC	20000
12.224 R	CPACF	20000
12.224 R	CPACF	20000
12.224 R	CTV-L	20000
12.224 R	CTV-L	20000
12.224 R	HIST	20000
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12.224 R	HSTDv	20000
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12.224 R	ISSUE	20000
12.224 R	ISSUE	20000
●12.224 R	LONDv	20000
12.224 R	MTV	20000
12.224 R	MTV	20000
●12.224 R	NCAR2	20000
12.224 R	NEWS1	20000
12.224 R	NEWS1	20000
12.224 R	RCVu0	20000
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12.224 R	TVLND	20000
12.224 R	Vu22	20000
12.224 R	Vu22	20000
●12.224 R	EPG2	20000
12.239 L	A-VIC	20000
12.239 L	A-VIC	20000
12.239 L	BBC-C	20000
12.239 L	BBC-C	20000
12.239 L	CBC-O	20000
12.239 L	CBC-O	20000
12.239 L	CW11	20000
●12.239 L	CW11	20000
12.239 L	GAME	20000
12.239 L	GAME	20000
12.239 L	HLTH	20000
12.239 L	HLTH	20000
12.239 L	IFC	20000
12.239 L	IFC	20000
●12.239 L	NCAR4	20000
12.239 L	OLN	20000
12.239 L	OLN	20000
12.239 L	OUTTV	20000
12.239 L	OUTTV	20000
12.239 L	RAI	20000
12.239 L	RAI	20000
●12.239 L	VICDv	20000
12.239 L	Vu15	20000
12.239 L	Vu15	20000
12.239 L	Vu24	20000
12.239 L	Vu24	20000
12.253 R	VNS10	20000
12.253 R	VNS10	20000
12.253 R	VNUS0	20000
12.253 R	VNUS0	20000
12.253 R	VNUS1	20000
12.253 R	VNUS1	20000
12.253 R	VNUS2	20000
12.253 R	VNUS2	20000
12.253 R	VNUS3	20000
12.253 R	VNUS3	20000
12.253 R	VNUS4	20000
12.253 R	VNUS4	20000
12.253 R	VNUS5	20000
12.253 R	VNUS5	20000
12.253 R	VNUS6	20000
12.253 R	VNUS6	20000
12.253 R	VNUS7	20000
12.253 R	VNUS7	20000
12.253 R	VNUS8	20000
12.253 R	VNUS8	20000
12.253 R	VNUS9	20000
12.253 R	VNUS9	20000
12.268 L	A&E	20000
12.268 L	A&E	20000
12.268 L	CTV-T	20000
12.268 L	CTV-T	20000
12.268 L	CTVDv	20000
12.268 L	CTVDv	20000
12.268 L	FOXNC	20000
12.268 L	FOXNC	20000
12.268 L	GLB-T	20000
12.268 L	GLB-T	20000
12.268 L	GLBDv	20000
12.268 L	GLBDv	20000
●12.268 L	NCAA5	20000
●12.268 L	NCAA6	20000
●12.268 L	NHL10	20000
12.268 L	SPACE	20000
12.268 L	SPACE	20000
12.268 L	SPCDv	20000
12.268 L	SPCDv	20000
12.268 L	STAR	20000
12.268 L	STAR	20000
12.268 L	TLC	20000
12.268 L	TLC	20000
●12.268 L	VEBar	20000
●12.268 L	VFBar	20000
12.268 L	Vu	20000
12.268 L	Vu	20000
12.268 L	VuFr	20000
12.268 L	VuFr	20000
12.268 L	GXY18	20000
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12.268 L	GXY7	20000
12.268 L	DPG5	20000
12.268 L	DPG5	20000
12.268 L	IFEED	20000
12.268 L	IFEED	20000
●12.268 L	NF10h	20000
12.268 L	RG1	20000
12.268 L	RG1	20000
12.282 R	CTV-R	20000
12.282 R	CTV-R	20000
12.282 R	CTV-W	20000
12.282 R	CTV-w	20000
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12.282 R	DvEPG	20000
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12.282 R	LONE*	20000
12.282 R	LONE*	20000
12.282 R	MSTRY	20000
12.282 R	MSTRY	20000
12.282 R	XTRME	20000
12.282 R	XTRME	20000
12.282 R	ALERT	20000
12.282 R	ALERT	20000
12.282 R	ALRT	20000
12.282 R	ALRT	20000
12.282 R	BFSHD	20000
12.282 R	BFSHD	20000
12.282 R	BFVSC	20000
12.282 R	BFVSC	20000
12.282 R	LFSTV	20000
12.282 R	LOCK	20000
12.282 R	LOCK	20000
●12.282 R	LOUD*	20000
12.282 R	MYSTR	20000
12.282 R	MYSTR	20000
12.282 R	PPVu	20000
12.282 R	PPVu	20000
●12.282 R	RETRO*	20000
12.282 R	Vu-F*	20000
12.282 R	Vu-F*	20000
12.282 R	Vu31	20000
12.282 R	Vu31	20000
●12.282 R	{Empty}	20000
12.282 R	GXY31	20000
12.282 R	GXY31	20000
12.282 R	GXY32	20000
12.282 R	GXY32	20000
12.282 R	GXY33	20000
12.282 R	GXY33	20000
12.282 R	GXY36	20000
12.282 R	GXY36	20000
12.282 R	GXY45	20000
12.282 R	GXY45	20000
12.282 R	POWER	20000
12.282 R	POWER	20000
●12.282 R	DMTR	20000
●12.282 R	DMTR*	20000
12.282 R	DPG3	20000
12.282 R	DPG3	20000
12.282 R	GGiTV	20000
12.282 R	GGiTV	20000
12.282 R	GGSoc	20000
12.282 R	GJTVi	20000
12.282 R	GJTVi	20000
12.282 R	iCBC	20000
12.282 R	iCBC	20000
12.282 R	iCBCS	20000
12.282 R	iCBCS	20000
12.282 R	RG2	20000
12.282 R	RG2	20000
12.297 L	RAPTR	20000
12.297 L	CRKT	20000
12.297 L	CRKT	20000
12.297 L	CRKT*	20000
12.297 L	CRKT*	20000
12.297 L	CRKT1	20000
12.297 L	MLB4	20000
12.297 L	MLB4	20000
●12.297 L	NFL4	20000
●12.297 L	NHL4	20000
12.297 L	NHLMH	20000
12.297 L	NHLMH	20000
12.297 L	RAPTR	20000
●12.297 L	SETNA	20000
12.297 L	SWARE2	20000
12.297 L	SWARE2	20000
12.297 L	Vu-F	20000
12.297 L	Vu-F	20000
12.297 L	VuBuy	20000
12.297 L	VuBuy	20000
12.297 L	VuPPV	20000
12.297 L	VuPPV	20000
12.297 L	BRKR	20000
12.297 L	BRKR	20000
12.297 L	CRKT1	20000
12.297 L	LSCR	20000
12.297 L	XPRS*	20000
12.297 L	XPRS*	20000
12.297 L	XPRS2	20000
12.297 L	XPRS2	20000
12.297 L	EARTH1	20000
12.297 L	EARTH2	20000
12.297 L	EARTH3	20000
12.297 L	EARTH4	20000
●12.297 L	MOVIE2	20000
●12.297 L	NFL4h	20000
●12.297 L	NHLMV	20000
12.297 L	NHLMV	20000
12.297 L	RG3	20000
12.297 L	RG3	20000
12.297 L	THTPE	20000
12.297 L	THTPE	20000
12.297 L	THTPF	20000
12.297 L	THTPF	20000
12.311 R	BBC	20000
12.311 R	BBC	20000
12.311 R	CH-H	20000
12.311 R	CHDv	20000
●12.311 R	E!Dv	20000
●12.311 R	E!ONT	20000
12.311 R	GLB-E	20000
12.311 R	GLB-E	20000
12.311 R	NBC-E	20000
12.311 R	NBC-E	20000
12.311 R	NBCDv	20000
12.311 R	SCORE	20000
12.311 R	SCORE	20000
12.311 R	Vu2	20000
12.311 R	Vu2	20000
12.311 R	Vu7	20000
12.311 R	Vu7	20000
12.311 R	VuF2	20000
12.311 R	VuF2	20000
12.311 R	VuF7	20000
12.311 R	VuF7	20000
12.311 R	WSBK	20000
12.311 R	WSBK	20000
12.311 R	NPR	20000
12.311 R	NPR	20000
●12.311 R	10ANN	20000
●12.311 R	10ANN*	20000
12.311 R	AIDE	20000
12.311 R	AIDE	20000
12.311 R	Enhanced DAL	20000
12.311 R	Enhanced DAL	20000
12.311 R	iHELP	20000
12.311 R	iHELP	20000
12.311 R	iHELP*	20000
12.311 R	iHELP*	20000
12.311 R	MVDE	20000
12.311 R	MVDE	20000
12.311 R	MVDF	20000
12.311 R	MVDF	20000
12.311 R	MYSTR	20000
●12.311 R	PACKS	20000
12.326 L	CBC-T	20000
12.326 L	CBC-T	20000
12.326 L	CBCDv	20000
12.326 L	CBCDv	20000
12.326 L	CTVNN	20000
12.326 L	CTVNN	20000
12.326 L	DISC	20000
12.326 L	DISC	20000
12.326 L	DvNBC	20000
12.326 L	FOOD	20000
12.326 L	FOOD	20000
12.326 L	M-MOR	20000
12.326 L	M-MOR	20000
12.326 L	MLB3	20000
12.326 L	MLB3	20000
12.326 L	MSQPL	20000
12.326 L	MSQPL	20000
12.326 L	NBC-W	20000
12.326 L	NBC-W	20000
●12.326 L	NFL3	20000
●12.326 L	NHL3	20000
12.326 L	SNETO	20000
12.326 L	SNETO	20000
12.326 L	VuF4	20000
12.326 L	VuF4	20000
12.326 L	PTMob	20000
12.326 L	PTMob	20000
12.326 L	DPG1	20000
12.326 L	DPG1	20000
●12.326 L	NDEMO	20000
●12.326 L	NFL3h	20000
12.326 L	PZGLP	20000
12.326 L	PZGLP	20000
12.326 L	Rdiag	20000
12.326 L	Rdiag	20000
●12.326 L	STiS	20000
●12.341 R	APTNn	20000
●12.341 R	BabyE	20000
●12.341 R	BabyS	20000
12.341 R	CBCDC	20000
12.341 R	CBCDC	20000
12.341 R	CH-Vi	20000
12.341 R	CITYV	20000
12.341 R	CITYV	20000
12.341 R	CTV-V	20000
12.341 R	CTV-V	20000
12.341 R	DvCH	20000
12.341 R	DvCTV	20000
12.341 R	DvCTV	20000
12.341 R	DvCTY	20000
12.341 R	DvCTY	20000
●12.341 R	DvE!	20000
12.341 R	DvPBS	20000
12.341 R	DvPBS	20000
●12.341 R	E!BC	20000
12.341 R	KNOW	20000
12.341 R	KNOW	20000
●12.341 R	NHL-V	20000
12.341 R	PBS-W	20000
12.341 R	PBS-W	20000
12.341 R	SUNTV	20000
12.341 R	SUNTV	20000
●12.341 R	TFFSD	20000
12.341 R	TV5	20000
12.341 R	TV5	20000
12.341 R	Vu6	20000
12.341 R	Vu6	20000
12.341 R	VuF6	20000
12.341 R	VuF6	20000
12.341 R	CBC1V	20000
12.341 R	CBC1V	20000
12.341 R	CBC2V	20000
12.341 R	CBC2V	20000
12.341 R	PC-V	20000
12.341 R	PC-V	20000
12.341 R	RG5	20000
12.341 R	RG5	20000
12.341 R	RMTE	20000
12.341 R	RMTE	20000
12.341 R	RMTF	20000
12.341 R	RMTF	20000
12.341 R	TPSi	20000
12.341 R	TPSi	20000
12.355 L	ABC-W	20000
12.355 L	ABC-W	20000
12.355 L	ANIML	20000
12.355 L	ANIML	20000
12.355 L	BNN	20000
12.355 L	BNN	20000
12.355 L	DvABC	20000
12.355 L	HGTDv	20000
12.355 L	HGTDv	20000
12.355 L	HGTV	20000
12.355 L	HGTV	20000
12.355 L	MLB6	20000
12.355 L	MMM	20000
12.355 L	MMM	20000
12.355 L	MPIX	20000
12.355 L	MPIX	20000
●12.355 L	NCAA1	20000
●12.355 L	NFL6	20000
12.355 L	SNETP	20000
12.355 L	SNETP	20000
12.355 L	SRC-W	20000
12.355 L	SRC-W	20000
12.355 L	TREDv	20000
12.355 L	TREDv	20000
12.355 L	TREE	20000
12.355 L	TREE	20000
12.355 L	Vu30	20000
12.355 L	Vu30	20000
12.355 L	GXY10	20000
12.355 L	GXY10	20000
12.355 L	GXY11	20000
12.355 L	GXY11	20000
12.355 L	GXY20	20000
12.355 L	GXY20	20000
12.355 L	GXY21	20000
12.355 L	GXY21	20000
12.355 L	GXY23	20000
12.355 L	GXY23	20000
12.355 L	GXY38	20000
12.355 L	GXY38	20000
●12.355 L	NFL6h	20000
12.355 L	RG6	20000
12.355 L	RG6	20000
12.355 L	RG7	20000
12.355 L	RG7	20000
12.370 R	BET	20000

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SatcoDX Global Satellite Chart 12/2007

Freq GHz	Pol	Channel Name	Symbol rate
12.370	R	BET	20000
12.370	R	CNN	20000
12.370	R	CNN	20000
●12.370	R	CRKT1	20000
●12.370	R	CTMDv	20000
12.370	R	CTV-M	20000
12.370	R	CTV-M	20000
12.370	R	FOX-W	20000
12.370	R	FOX-W	20000
12.370	R	MET*	20000
12.370	R	MET*	20000
12.370	R	MET-i	20000
12.370	R	MET-i	20000
12.370	R	METEO	20000
12.370	R	METEO	20000
12.370	R	MMDVi	20000
12.370	R	MMDVi	20000
12.370	R	NFL-N	20000
12.370	R	NFL-N	20000
●12.370	R	NHL-C	20000
12.370	R	PBS-E	20000
12.370	R	PBS-E	20000
12.370	R	PBSDv	20000
12.370	R	PBSDv	20000
●12.370	R	RUGBY	20000
12.370	R	Vu19	20000
12.370	R	Vu19	20000
12.370	R	WEA	20000
12.370	R	WEA	20000
12.370	R	WEA*	20000
12.370	R	WEA*	20000
12.370	R	WEA-i	20000
12.370	R	WEA-i	20000
12.370	R	WeDVi	20000
12.370	R	WeDVi	20000
12.370	R	WGN	20000
12.370	R	WGN	20000
12.370	R	CBC1T	20000
12.370	R	CBC1T	20000
12.370	R	CBC2T	20000
12.370	R	CBC2T	20000
12.370	R	CJRT	20000
12.370	R	CJRT	20000
12.370	R	DESJA	20000
12.370	R	DESJA	20000
12.370	R	METRO	20000
12.370	R	METRO	20000
12.370	R	NPR*	20000
12.370	R	NPR*	20000
12.370	R	RIGA	20000
12.370	R	RIGA	20000
12.370	R	CTCAN	20000
12.370	R	CTCAN	20000
12.370	R	MALNH	20000
12.370	R	MLBEI	20000
●12.370	R	NFLST	20000
12.384	L	CAN-D	20000
12.384	L	CAN-D	20000
12.384	L	CAN-H	20000
12.384	L	CAN-H	20000
12.384	L	CAN-Z	20000
12.384	L	CAN-Z	20000
12.384	L	SE	20000
12.384	L	SE	20000
12.384	L	SE2	20000
12.384	L	SE2	20000
12.384	L	SE3	20000
12.384	L	SE3	20000
12.384	L	SE4	20000
12.384	L	SE4	20000
12.384	L	SERIE	20000
12.384	L	SERIE	20000
12.384	L	SRC-V	20000
12.384	L	SRC-V	20000
12.384	L	VRAK	20000
12.384	L	VRAK	20000
12.384	L	AddRe	20000
12.384	L	AddRe	20000
12.384	L	DPG4	20000
12.384	L	DPG4	20000
12.384	L	iRMT	20000
12.384	L	iRMT	20000
12.399	R	VuF13	20000
12.399	R	CBC-A	20000
12.399	R	CBC-A	20000
12.399	R	CBC-a	20000
12.399	R	CBC-a	20000
●12.399	R	FIGHT	20000
12.399	R	MCTV	20000
12.399	R	MCTV	20000
12.399	R	MCTV*	20000
12.399	R	MCTV*	20000
●12.399	R	MLB9	20000
●12.399	R	NCAA4	20000
12.399	R	OMNI1	20000
12.399	R	OMNI1	20000
●12.399	R	SUPR1	20000
12.399	R	TROP	20000
12.399	R	TROP	20000
12.399	R	TRPDv	20000
12.399	R	TRPDv	20000
12.399	R	Vison	20000
12.399	R	VISON	20000
12.399	R	VISON	20000
12.399	R	Vison	20000
12.399	R	Vu27	20000
12.399	R	Vu27	20000
12.399	R	VuF13	20000
12.399	R	D8FF4	20000
12.399	R	D8FF4	20000
12.399	R	D8FF6	20000
12.399	R	D8FF6	20000
12.399	R	D8FF7	20000
12.399	R	D8FF7	20000
12.399	R	D8FF9	20000
12.399	R	D8FF9	20000
12.399	R	D8FFB	20000
12.399	R	D8FFB	20000
12.399	R	D8FFC	20000
12.399	R	D8FFC	20000
12.399	R	D8FFF	20000
12.399	R	D8FFF	20000
12.399	R	iMETE_AP	20000
12.399	R	iMETE_AP	20000
12.399	R	iMETS	20000
12.399	R	iMETS	20000
12.399	R	iWEAS	20000
12.399	R	iWEAS	20000
12.399	R	iWTHR_AP	20000
12.399	R	iWTHR_AP	20000
●12.399	R	NFL9h	20000
12.414	L	CBC-M	20000
12.414	L	CBC-M	20000
12.414	L	CIVIL	20000
12.414	L	CIVIL	20000
12.414	L	ESPNc	20000
12.414	L	ESPNc	20000
12.414	L	MUSMX	20000
12.414	L	MUSMX	20000
●12.414	L	NCAR1	20000
12.414	L	OMNI2	20000
12.414	L	OMNI2	20000
12.414	L	ONE	20000
12.414	L	ONE	20000
12.414	L	ONEDv	20000
12.414	L	ONEDv	20000
12.414	L	Prise	20000
12.414	L	Prise	20000
12.414	L	RCVu3	20000
12.414	L	RCVu3	20000
12.414	L	SHO-E	20000
12.414	L	SHO-E	20000
12.414	L	SPIKE	20000
12.414	L	SPIKE	20000
12.414	L	Vu21	20000
12.414	L	Vu21	20000
12.414	L	OnHD	20000
12.428	R	ASN	20000
12.428	R	ASN	20000
12.428	R	BOOK	20000
12.428	R	BOOK	20000
12.428	R	CITYW	20000
12.428	R	CITYW	20000
12.428	R	COURT	20000
12.428	R	COURT	20000
12.428	R	GLB-H	20000
12.428	R	GLB-H	20000
12.428	R	HPI-1	20000
12.428	R	HPI-1	20000
12.428	R	HPI-2	20000
12.428	R	HPI-2	20000
12.428	R	MLB2	20000
12.428	R	MLB2	20000
●12.428	R	NFL2	20000
12.428	R	NHL2	20000
12.428	R	NHL2	20000
12.428	R	NTV	20000
12.428	R	NTV	20000
●12.428	R	SUPR2	20000
●12.428	R	WLDTV	20000
12.428	R	VPRNT	20000
12.428	R	VPRNT	20000
12.428	R	vPRNT	20000
12.428	R	vPRNT	20000
12.428	R	MOVIE	20000
12.428	R	MOVIE	20000
12.428	R	MOVIE2	20000
12.428	R	MOVIE2	20000
●12.428	R	NFL2h	20000
12.428	R	RG4	20000
12.428	R	RG4	20000
12.428	R	RG8	20000
12.428	R	RG8	20000
12.443	L	ACCES	20000
12.443	L	ACCES	20000
12.443	L	ATV	20000
12.443	L	ATV	20000
12.443	L	CBC-H	20000
12.443	L	CBC-H	20000
12.443	L	CBCDC	20000
12.443	L	CITYE	20000
12.443	L	CITYE	20000
12.443	L	CLT	20000
12.443	L	CLT	20000
12.443	L	KNOW	20000
12.443	L	RFO	20000
12.443	L	RFO	20000
12.443	L	SCN	20000
12.443	L	SCN	20000
12.443	L	CBC1H	20000
12.443	L	CBC1H	20000
12.443	L	CBC1V	20000
12.443	L	CBC2V	20000
12.443	L	CHED	20000
12.443	L	CHED	20000
12.443	L	OZ-FM	20000
12.443	L	OZ-FM	20000
12.443	L	PC-V	20000
12.443	L	VOAR	20000
12.443	L	VOAR	20000
12.443	L	BILE	20000
12.443	L	BILE	20000
12.443	L	BILF	20000

Freq GHz	Pol	Channel Name	Symbol rate
12.443	L	BILF	20000
12.443	L	KIDE	20000
12.443	L	KIDE	20000
12.443	L	KIDF	20000
12.443	L	KIDF	20000
12.443	L	KIDSF	20000
12.443	L	KIDSF	20000
12.443	L	KIDSS	20000
12.443	L	KIDSS	20000
12.443	L	RG9	20000
12.443	L	RG9	20000
12.443	L	SLFSV	20000
12.443	L	SLFSV	20000
12.443	L	SSrv4	20000
12.443	L	SSrv6	20000
12.443	L	SSrv6	20000
●12.443	L	{Empty}	20000
12.457	R	EA1	20000
●12.457	R	EA1	20000
●12.457	R	EA2	20000
12.457	R	EA2	20000
12.457	R	FAM-W	20000
●12.457	R	FAM-W	20000
12.457	R	FMLY	20000
●12.457	R	FMLY	20000
●12.457	R	GolSP	20000
●12.457	R	GolTV	20000
12.457	R	MC1	20000
●12.457	R	MC1	20000
●12.457	R	MC2	20000
12.457	R	MC2	20000
12.457	R	MC3	20000
●12.457	R	MC3	20000
12.457	R	MC4	20000
●12.457	R	MC4	20000
12.457	R	TOONE	20000
●12.457	R	TOONE	20000
●12.457	R	TOONF	20000
12.457	R	TOONF	20000
12.457	R	TOONW	20000
●12.457	R	TOONW	20000
12.457	R	TTeDv	20000
●12.457	R	TTeDv	20000
12.457	R	TTfDv	20000
●12.457	R	TTfDv	20000
●12.457	R	TTwDv	20000
12.457	R	TTwDv	20000
●12.472	L	CBC-C	20000
12.472	L	CBC-C	20000
12.472	L	CITYC	20000
●12.472	L	CITYC	20000
●12.472	L	CTV-C	20000
12.472	L	CTV-c	20000
●12.472	L	CTV-c	20000
12.472	L	CTV-C	20000
12.472	L	GLB-C	20000
●12.472	L	GLB-C	20000
12.472	L	GLB-S	20000
●12.472	L	GLB-S	20000
●12.472	L	GLCDv	20000
●12.472	L	GLSDv	20000
12.472	L	MIRCL	20000
●12.472	L	MIRCL	20000
●12.472	L	PLBOY	20000
12.472	L	PLBOY	20000
●12.472	L	SEXTV	20000
12.472	L	SEXTV	20000
12.472	L	VENUS	20000
●12.472	L	VENUS	20000
12.472	L	105FM	20000
●12.472	L	105FM	20000
●12.472	L	960AM	20000
12.472	L	960AM	20000
12.472	L	EDGE	20000
●12.472	L	EDGE	20000
12.472	L	iHORO_E	20000
●12.472	L	iHORO_E	20000
●12.472	L	iHORO_F	20000
12.472	L	iHORO_F	20000
●12.472	L	iHRES	20000
12.472	L	iHRES	20000
●12.472	L	iHRFS	20000
12.472	L	iHRFS	20000
●12.472	L	iTRIV_AP	20000
12.472	L	iTRIV_AP	20000
12.472	L	NTNS	20000
●12.472	L	NTNS	20000
●12.472	L	PC	20000
12.472	L	PC	20000
●12.472	L	PCS	20000
12.472	L	PCS	20000
12.472	L	VENLP	20000
●12.472	L	VENLP	20000
12.472	L	VGME	20000
●12.472	L	VGME	20000
●12.472	L	VGMES	20000
12.472	L	VGMES	20000
12.486	R	CBC-w	20000
12.486	R	CBC-W	20000
12.486	R	CBC-w	20000
12.486	R	CMT	20000
12.486	R	CMT	20000
12.486	R	DOCU	20000
12.486	R	DOCU	20000
12.486	R	GOLF	20000
12.486	R	GOLF	20000
12.486	R	MLB10	20000
12.486	R	NEWS2	20000
●12.486	R	NHL6	20000
12.486	R	TECH	20000
12.486	R	TECH	20000
12.486	R	TRAVL	20000
12.486	R	TRAVL	20000
12.486	R	TVA-R	20000
12.486	R	TVA-R	20000
12.486	R	VnBuy	20000
12.486	R	VnBuy	20000
12.486	R	VNUS	20000
12.486	R	VNUS	20000
12.486	R	Vu26	20000
12.486	R	Vu26	20000
12.486	R	VuCOM	20000
12.486	R	YTV-W	20000
12.486	R	YTV-W	20000
12.486	R	CBC-W	20000
12.486	R	NEWS2	20000
12.486	R	VuCOM	20000
12.501	L	C-CAN	20000
12.501	L	C-CAN	20000
12.501	L	CFJC	20000
12.501	L	CFJC	20000
12.501	L	CMDY2	20000
12.501	L	CMDY2	20000
12.501	L	DvCom	20000
12.501	L	DvCom	20000
●12.501	L	NCAR	20000
12.501	L	RCVu1	20000
12.501	L	RCVu1	20000
12.501	L	RCVu2	20000
12.501	L	RCVu2	20000
12.501	L	SCRM	20000
12.501	L	SCRM	20000
12.501	L	SPEED	20000
12.501	L	SPEED	20000
12.501	L	TROPW	20000
12.501	L	TROPW	20000
12.501	L	VIBE	20000
12.501	L	VIBE	20000
12.501	L	Vu20	20000
12.501	L	Vu20	20000
12.501	L	W	20000
12.501	L	W	20000
12.501	L	YTV-E	20000
12.501	L	YTV-E	20000
12.516	R	GLB-W	20000
12.516	R	GLB-w	20000
12.516	R	ABC-E	20000
12.516	R	ABC-E	20000
12.516	R	ABCDv	20000
12.516	R	CAN-V	20000
12.516	R	CAN-V	20000
12.516	R	CBCNW	20000
12.516	R	CBCNW	20000
12.516	R	GLB-W	20000
12.516	R	GLB-w	20000
12.516	R	Kids1	20000
12.516	R	Kids1	20000
12.516	R	M-XS	20000
12.516	R	M-XS	20000
12.516	R	MLB5	20000
12.516	R	MLB5	20000
●12.516	R	NFL5	20000
●12.516	R	NHL5	20000
12.516	R	SNETW	20000
12.516	R	SNETW	20000
●12.516	R	SUPR3	20000
12.516	R	Vu8	20000
12.516	R	Vu8	20000
12.516	R	Vu9	20000
12.516	R	Vu9	20000
12.516	R	VuF8	20000
12.516	R	VuF8	20000
12.516	R	VuF9	20000
12.516	R	VuF9	20000
●12.516	R	WFN	20000
12.516	R	GXY26	20000
12.516	R	GXY26	20000
12.516	R	GXY28	20000
12.516	R	GXY28	20000
12.516	R	GXY29	20000
12.516	R	GXY29	20000
12.516	R	GXY39	20000
12.516	R	GXY39	20000
12.516	R	GXY5	20000
12.516	R	GXY5	20000
12.516	R	GXY8	20000
12.516	R	GXY8	20000
12.516	R	WAHSA	20000
12.516	R	WAHSA	20000
12.516	R	BTVM	20000
12.516	R	BTVM	20000
12.516	R	VUMAG	20000
12.516	R	VUMAG	20000
●12.516	R	NFL5h	20000
12.530	L	ANQ	20000
12.530	L	ANQ	20000
12.530	L	CAN-E	20000
12.530	L	CAN-E	20000
12.530	L	CAN-S	20000
12.530	L	CAN-S	20000
12.530	L	LCN	20000
12.530	L	LCN	20000
12.530	L	SRC-M	20000
12.530	L	SRC-M	20000
12.530	L	TELEQ	20000
12.530	L	TELEQ	20000
12.530	L	TQS-M	20000
12.530	L	TQS-M	20000
12.530	L	TVA-M	20000
12.530	L	TVA-M	20000
12.530	L	TVA-O	20000
12.530	L	TVA-O	20000
12.530	L	CC-M	20000
12.530	L	CC-M	20000

Freq GHz	Pol	Channel Name	Symbol rate
12.530	L	CJAD	20000
12.530	L	CJAD	20000
12.530	L	CJPX	20000
12.530	L	CJPX	20000
12.530	L	CKAC	20000
12.530	L	CKAC	20000
12.530	L	PC-M	20000
12.530	L	PC-M	20000
12.530	L	NFLi	20000
12.530	L	NFLi	20000
12.530	L	SLP	20000
12.530	L	SLP	20000
12.530	L	Sprt!	20000
12.530	L	Sprt*	20000
●12.530	L	{Empty}	20000
12.545	R	CTYDv	20000
12.545	R	CITYT	20000
12.545	R	CITYT	20000
12.545	R	CP24	20000
12.545	R	CP24	20000
12.545	R	CTYDv	20000
12.545	R	FOX-E	20000
12.545	R	FOX-E	20000
12.545	R	FOXDv	20000
12.545	R	M	20000
12.545	R	M	20000
●12.545	R	MLB13	20000
●12.545	R	NCAR5	20000
12.545	R	RCVu4	20000
12.545	R	RCVu4	20000
12.545	R	SNETE	20000
12.545	R	SNETE	20000
12.545	R	Vu10	20000
12.545	R	Vu10	20000
12.545	R	Vu11	20000
12.545	R	Vu11	20000
12.545	R	Vu25	20000
12.545	R	Vu25	20000
12.545	R	VuF10	20000
12.545	R	VuF10	20000
12.545	R	VuF11	20000
12.545	R	VuF11	20000
12.545	R	VuF15	20000
12.545	R	VuF15	20000
12.545	R	VuF3	20000
12.545	R	VuF3	20000
●12.545	R	NF13h	20000
12.559	L	CBC-V	20000
12.559	L	CBC-V	20000
12.559	L	CBS-W	20000
12.559	L	CBS-W	20000
12.559	L	DvCBC	20000
12.559	L	DvCBC	20000
12.559	L	DvCBS	20000
12.559	L	M-FUN	20000
12.559	L	M-FUN	20000
12.559	L	MFEST	20000
12.559	L	MFEST	20000
●12.559	L	MLB11	20000
12.559	L	RDI	20000
12.559	L	RDI	20000
12.559	L	SLICE	20000
12.559	L	SLICE	20000
12.559	L	TSN	20000
12.559	L	TSN	20000
12.559	L	Vu4	20000
12.559	L	Vu4	20000
12.559	L	VuF1	20000
12.559	L	VuF1	20000
12.559	L	VuF17	20000
12.559	L	VuF17	20000
12.559	L	1200	20000
12.559	L	1200	20000
12.559	L	AM640	20000
12.559	L	AM640	20000
12.559	L	FAN	20000
12.559	L	FAN	20000
●12.559	L	NF11h	20000
12.574	R	CBS-E	20000
12.574	R	CBS-E	20000
12.574	R	CBSDv	20000
12.574	R	D-KDS	20000
12.574	R	D-KDS	20000
12.574	R	DvGLB	20000
12.574	R	DvGLB	20000
12.574	R	GLB-V	20000
12.574	R	GLB-V	20000
12.574	R	LEAFS	20000
12.574	R	LEAFS	20000
12.574	R	M-ESC	20000
12.574	R	M-ESC	20000
12.574	R	MLB1	20000
12.574	R	MLB1	20000
12.574	R	MUCH	20000
12.574	R	MUCH	20000
●12.574	R	NFL1	20000
●12.574	R	NFL1h	20000
●12.574	R	NHL1	20000
●12.574	R	NSTi	20000
12.574	R	Vu1	20000
12.574	R	Vu1	20000
12.574	R	Vu3	20000
12.574	R	Vu3	20000
12.574	R	Vu5	20000
12.574	R	Vu5	20000
12.574	R	VuF5	20000
12.574	R	VuF5	20000
12.574	R	GXY34	20000
12.574	R	GXY34	20000
12.574	R	GXY40	20000
12.574	R	GXY40	20000
12.574	R	GXY41	20000
12.574	R	GXY41	20000
12.574	R	GXY42	20000
12.574	R	GXY42	20000
12.574	R	GXY44	20000
12.574	R	GXY44	20000
12.574	R	RFI	20000
12.574	R	RFI	20000
●12.574	R	STiS	20000
12.588	L	ARGNT	20000
12.588	L	ARGNT	20000
12.588	L	ARTV	20000
12.588	L	ARTV	20000
12.588	L	cnpop	20000
12.588	L	cnpop	20000
12.588	L	MENTV	20000
12.588	L	MENTV	20000
12.588	L	Mystr	20000
12.588	L	Mystr	20000
12.588	L	RDS	20000
12.588	L	RDS	20000
12.588	L	SRC-Q	20000
12.588	L	SRC-Q	20000
12.588	L	TVASa	20000
12.588	L	TVASa	20000
12.588	L	TVASh	20000
12.588	L	TVASh	20000
12.588	L	680am	20000
12.588	L	680am	20000
12.588	L	GXY1	20000
12.588	L	GXY1	20000
12.588	L	GXY15	20000
12.588	L	GXY15	20000
12.588	L	GXY16	20000
12.588	L	GXY16	20000
12.588	L	GXY17	20000
12.588	L	GXY17	20000
12.588	L	GXY43	20000
12.588	L	GXY43	20000
12.588	L	GXY9	20000
12.588	L	GXY9	20000
12.588	L	iTV	20000
12.588	L	iTV	20000
12.588	L	MINIKIDS	20000
12.588	L	MINIKIDS	20000
12.588	L	TVi	20000
12.588	L	TVi	20000
12.603	R	APTN	20000
12.603	R	APTN	20000
12.603	R	BIO	20000
12.603	R	BIO	20000
12.603	R	BPM	20000
12.603	R	BPM	20000
12.603	R	CTS	20000
12.603	R	CTS	20000
12.603	R	HNN	20000
12.603	R	HNN	20000
●12.603	R	NCAR3	20000
12.603	R	NHL9	20000
12.603	R	RAZER	20000
12.603	R	RAZER	20000
12.603	R	RCVu5	20000
12.603	R	RCVu5	20000
12.603	R	SHO-W	20000
12.603	R	SHO-W	20000
12.603	R	TELAT	20000
12.603	R	TELAT	20000
12.603	R	Vu23	20000
12.603	R	Vu23	20000
12.603	R	VuF12	20000
12.603	R	VuF12	20000
12.603	R	VuF14	20000
12.603	R	VuF14	20000
●12.603	R	NF14h	20000
12.618	L	ACTN	20000
12.618	L	ACTN	20000
12.618	L	CHEX	20000
12.618	L	CHEX	20000
●12.618	L	CRKT2	20000
12.618	L	DIVA	20000
12.618	L	DIVA	20000
12.618	L	DRVin	20000
12.618	L	DRVin	20000
12.618	L	FTV	20000
12.618	L	FTV	20000
12.618	L	NHLVu	20000
●12.618	L	NHLVu	20000
12.618	L	NHLVu	20000
●12.618	L	PEACH	20000
12.618	L	RCVu6	20000
12.618	L	RCVu6	20000
12.618	L	RCVu7	20000
12.618	L	RCVu7	20000
12.618	L	TBS	20000
●12.618	L	TESTN	20000
12.618	L	TFO	20000
12.618	L	TFO	20000
12.618	L	Vu16	20000
12.618	L	Vu16	20000
12.632	R	A-BAR	20000
12.632	R	A-BAR	20000
●12.632	R	BARDv	20000
12.632	R	CBCNA	20000
12.632	R	CBCNA	20000
12.632	R	CNBC	20000
12.632	R	CNBC	20000
12.632	R	GEO	20000
12.632	R	GEO	20000
12.632	R	MLB7	20000
12.632	R	MVOLA	20000
12.632	R	MVOLA	20000
●12.632	R	NCAA2	20000
●12.632	R	NFL7	20000

Freq GHz	Pol	Channel Name	Symbol rate
12.632	R	RIS	20000
12.632	R	RIS	20000
●12.632	R	TOONR	20000
12.632	R	Vu12	20000
12.632	R	Vu12	20000
12.632	R	Vu29	20000
12.632	R	Vu29	20000
12.632	R	Vu401	20000
12.632	R	Vu401	20000
12.632	R	96FM	20000
12.632	R	96FM	20000
12.632	R	iLOTO_E	20000
12.632	R	iLOTO_E	20000
12.632	R	iLOTO_F	20000
12.632	R	iLOTO_F	20000
12.632	R	iLTES	20000
12.632	R	iLTES	20000
12.632	R	iLTFS	20000
12.632	R	iLTFS	20000
●12.632	R	NFL7h	20000
12.632	R	SDKU	20000
12.632	R	SDKU	20000
12.632	R	SDKUS	20000
12.632	R	SDKUS	20000
12.647	L	RCVu9	20000
●12.647	L	BBC-C	20000
12.647	L	BBC-K	20000
12.647	L	BBC-K	20000
12.647	L	BRAVO	20000
12.647	L	BRAVO	20000
●12.647	L	CBC-O	20000
12.647	L	CTV-E	20000
12.647	L	CTV-e	20000
12.647	L	CTV-e	20000
12.647	L	CTV-E	20000
12.647	L	KTLA	20000
12.647	L	KTLA	20000
12.647	L	MLB8	20000
12.647	L	NCAA3	20000
●12.647	L	NEWS1	20000
●12.647	L	NFL8	20000
12.647	L	RCVu9	20000
12.647	L	TSN-A	20000
12.647	L	TSN-A	20000
12.647	L	TVA-G	20000
12.647	L	TVA-G	20000
12.647	L	Vu13	20000
12.647	L	Vu13	20000
12.647	L	Vu18	20000
12.647	L	Vu18	20000
12.647	L	Vu28	20000
12.647	L	Vu28	20000
12.647	L	HERZ	20000
12.647	L	HERZ	20000
12.647	L	DPG2	20000
12.647	L	DPG2	20000
12.647	L	DSNLP	20000
12.647	L	DSNLP	20000
●12.647	L	NFL8h	20000
12.647	L	PPDAL	20000
12.647	L	PPDAL	20000
12.661	R	A-OTT	20000
12.661	R	A-OTT	20000
12.661	R	CMDY	20000
12.661	R	CMDY	20000
12.661	R	COMDv	20000
12.661	R	COMDv	20000
●12.661	R	HSM2	20000
12.661	R	Kids2	20000
12.661	R	Kids2	20000
●12.661	R	MLB12	20000
12.661	R	NHL-N	20000
12.661	R	NHL-N	20000
●12.661	R	OTTDv	20000
12.661	R	RCVu8	20000
12.661	R	RCVu8	20000
●12.661	R	REMIN	20000
12.661	R	SRC-A	20000
12.661	R	SRC-A	20000
●12.661	R	SUPR4	20000
●12.661	R	TVHD	20000
12.661	R	TVO	20000
12.661	R	TVO	20000
12.661	R	Vu14	20000
12.661	R	Vu14	20000
12.661	R	Vu17	20000
12.661	R	Vu17	20000
12.661	R	VuF16	20000
12.661	R	VuF16	20000
●12.661	R	TVHD	20000
●12.661	R	TVHD*	20000
12.661	R	Q107	20000
12.661	R	Q107	20000
●12.661	R	NF12h	20000
12.661	R	TSN-X	20000
12.661	R	TSN-X	20000
12.661	R	TSNXS	20000
12.661	R	TSNXS	20000
12.676	L	SRCSh	20000
12.676	L	SRCSh	20000
12.676	L	TQS-Q	20000
12.676	L	TQS-Q	20000
12.676	L	TQSRL	20000
12.676	L	TQSRL	20000
12.676	L	TQSSa	20000
12.676	L	TQSSa	20000
12.676	L	TQSSh	20000
12.676	L	TQSSh	20000
12.676	L	TVA-Q	20000
12.676	L	TVA-Q	20000
12.676	L	TVARL	20000
12.676	L	TVARL	20000
12.676	L	TVARN	20000
12.676	L	TVARN	20000
12.676	L	GXY12	20000
12.676	L	GXY12	20000
12.676	L	GXY13	20000
12.676	L	GXY13	20000
12.676	L	GXY14	20000
12.676	L	GXY14	20000
12.676	L	GXY22	20000
12.676	L	GXY22	20000
12.676	L	GXY24	20000
12.676	L	GXY24	20000
12.676	L	GXY6	20000
12.676	L	GXY6	20000
12.676	L	WRN	20000
12.676	L	WRN	20000
12.676	L	AALP	20000
12.676	L	AALP	20000
12.676	L	LUDI	20000
12.676	L	LUDI	20000
12.676	L	SUBS	20000
12.676	L	SUBS	20000

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271.0 East (89.0 West)

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Freq GHz	Pol	Channel Name	Symbol rate
4.060	H	AFN FAMILY	28000
4.060	H	AFN FAMILY	28000
4.060	H	AFN FAMILY	28000
4.060	H	AFN Freedom	28000
4.060	H	AFN Freedom	28000
4.060	H	AFN Freedom	28000
4.060	H	AFN MOVIE	28000
4.060	H	AFN MOVIE	28000
4.060	H	AFN MOVIE	28000
4.060	H	Atlantic	28000
4.060	H	Atlantic	28000
4.060	H	Atlantic	28000
4.060	H	Atlantic 2	28000
4.060	H	Atlantic 2	28000
4.060	H	Atlantic 2	28000
4.060	H	Atlantic 3	28000
4.060	H	Atlantic 3	28000
4.060	H	Atlantic 3	28000
4.060	H	Atlantic 4	28000
4.060	H	Atlantic 4	28000
4.060	H	Atlantic 4	28000
4.060	H	Atlantic 5	28000
4.060	H	Atlantic 5	28000
4.060	H	Atlantic 5	28000
4.060	H	Atlantic 6	28000
4.060	H	Atlantic 6	28000
4.060	H	Atlantic 6	28000
4.060	H	Atlantic 7	28000
4.060	H	Atlantic 7	28000
4.060	H	Atlantic 7	28000
4.060	H	Atlantic 8	28000
4.060	H	Atlantic 8	28000
4.060	H	Atlantic 8	28000
4.060	H	Atlantic 9	28000
4.060	H	Atlantic 9	28000
4.060	H	Atlantic 9	28000
4.060	H	Engineering Channel	28000
4.060	H	Engineering Channel	28000
4.060	H	Engineering Channel	28000
4.060	H	News	28000
4.060	H	News	28000
4.060	H	News	28000
4.060	H	Pacific	28000
4.060	H	Pacific	28000
4.060	H	Pacific	28000
4.060	H	Spectrum	28000
4.060	H	Spectrum	28000
4.060	H	Spectrum	28000
4.060	H	Sports	28000
4.060	H	Sports	28000
4.060	H	Sports	28000
4.060	H	Xtra/TimeCode	28000
4.060	H	Xtra/TimeCode	28000
4.060	H	Xtra/TimeCode	28000
4.060	H	Adult Rock	28000
4.060	H	Adult Rock	28000
4.060	H	Adult Rock	28000
4.060	H	Adult Rock	28000
4.060	H	Adult Rock	28000
4.060	H	Adult Rock	28000
4.060	H	AFN Back-up for A	28000
4.060	H	AFN Back-up for A	28000
4.060	H	AFN Back-up for A	28000
4.060	H	AFN Back-up to AFN	28000
4.060	H	AFN Back-up to AF	28000
4.060	H	AFN Back-up to AF	28000
4.060	H	AFN Back-up to AF	28000
4.060	H	AFN Back-up to AF	28000
4.060	H	AFN Back-up to AF	28000

Freq GHz	Pol	Channel Name	Symbol rate
4.060	H	Backhaul from Baghda	28000
4.060	H	Backhaul from Baghda	28000
4.060	H	Backhaul from Baghda	28000
4.060	H	Backhaul to Japan	28000
4.060	H	Backhaul to Japan	28000
4.060	H	Backhaul to Japan	28000
4.060	H	Bright AC	28000
4.060	H	Bright AC	28000
4.060	H	Bright AC	28000
4.060	H	Bright AC	28000
4.060	H	Bright AC	28000
4.060	H	Bright AC	28000
4.060	H	Contingency	28000
4.060	H	Contingency	28000
4.060	H	Contingency	28000
4.060	H	Country	28000
4.060	H	Country	28000
4.060	H	Country	28000
4.060	H	ESPN Radio Sports	28000
4.060	H	ESPN Radio Sports	28000
4.060	H	ESPN Radio Sports	28000
4.060	H	Fox Sports Talk	28000
4.060	H	Fox Sports Talk	28000
4.060	H	Fox Sports Talk	28000
4.060	H	Guide	28000
4.060	H	Guide	28000
4.060	H	Guide	28000
4.060	H	Guide/NewsRadio	28000
4.060	H	Guide/NewsRadio	28000
4.060	H	Guide/NewsRadio	28000
4.060	H	Guide/Voiceline/UI	28000
4.060	H	Guide/Voiceline/UI	28000
4.060	H	Guide/Voiceline/UI	28000
4.060	H	Hot AC	28000
4.060	H	Hot AC	28000
4.060	H	Hot AC	28000
4.060	H	NPR	28000
4.060	H	NPR	28000
4.060	H	NPR	28000
4.060	H	Pure Gold	28000
4.060	H	Pure Gold	28000
4.060	H	Pure Gold	28000
4.060	H	SMPTE Time Code	28000
4.060	H	SMPTE Time Code	28000
4.060	H	SMPTE Time Code	28000
4.060	H	The Pentagon Channel	28000
4.060	H	The Pentagon Channel	28000
4.060	H	The Pentagon Channel	28000
4.060	H	Touch	28000
4.060	H	Touch	28000
4.060	H	Touch	28000
4.060	H	U/I Split /UIVoice	28000
4.060	H	U/I Split /UIVoice	28000
4.060	H	U/I Split /UIVoice	28000
4.060	H	U/I Voicline/SplitV/	28000
4.060	H	U/I Voicline/SplitV/	28000
4.060	H	U/I Voicline/SplitV/	28000
4.060	H	Z-Rock (ABC Hard R	28000
4.060	H	Z-Rock (ABC Hard R	28000
4.060	H	Z-Rock (ABC Hard R	28000

GXY028KB

Freq GHz	Pol	Channel Name	Symbol rate
●11.734	H	Channel 300	4500
●11.734	H	Channel 301	4500
●11.734	H	Channel 302	4500
●11.734	H	Channel 303	4500
●11.734	H	Channel 304	4500
11.734	H	TRAVERTINE	4500
●11.734	H	Channel 1	4500
11.758	V	TRAVERTINE	26000
11.780	H	Boeing	29000
11.780	H	BTV-1	29000
11.780	H	BTV-3	29000
●11.780	H	North America	29000
11.780	H	BTV-2	29000
11.780	H	BTV-4	29000
11.780	H	BTV-V-1	29000
11.780	H	BTV-V-2	29000
11.780	H	BTV-V-3	29000
11.882	H	RTP	4883
11.900	H	HughesNet	30000
11.925	H	ABC Feed	3978
11.930	H	ABC Feed	3978
11.935	H	ABC Feed	3978
11.940	H	ABC Feed	3978
11.945	V	ABC Feed	3978
11.945	H	ABC Feed	3978
11.950	H	ABC Feed	3978
11.950	V	ABC Feed	3978
11.955	H	ABC Feed	3978
11.955	V	ABC NEWS NOW	19533
11.955	V	ABSAT CH2	19533
11.955	V	NEWS1 LIVE	19533
11.960	V	ABC NEWS NOW	3978
●11.965	H	ABC Feed (Service 2)	3978
●11.965	V	ABC Feed ({Empty N	3978
●11.970	H	ABC Feed (Service 2)	3978
●11.975	V	ABC Feed (42)	3978
●11.975	V	ABC Feed (SCOPUS-	3978
●11.975	H	ABC Feed (Service 2)	3978
●11.980	H	ABC Feed (Service 1)	3978
11.985	H	ABC Feed	3978
11.989	V	ABC Feed	6111
●11.990	H	ABC Feed (WEWS DS	3978
●11.995	H	ABC Feed (WEWS DS	3978
12.009	V	ABC Feed	6111
12.046	H	ABC Feed	6489
12.060	H	TRAVERTINE	26600
12.076	H	Service 2	4883
12.080	V	HughesNet	30000
12.100	H	HughesNet	30000
12.140	H	HughesNet	30000
12.160	V	HughesNet	30000
12.170	H	Feed	15914
●12.185	H	ABC Feed (WISN)	3979
12.185	H	ABC Feed ({Empty N	3979
12.190	H	ABC Feed (WBAL 1)	3979
●12.190	H	ABC Feed (WISN)	3979
12.195	H	ABC Feed (WBAL 1)	3979

AMC 3
273.0 East (87.0 West)

AMC003CB

Freq GHz	Pol	Channel Name	Symbol rate
3.719	H	Michigan Government	4167
3.732	H	APTN3 +442074827430	5632
3.744	H	Michigan Government	3520
3.810	V	A copy of A copy of	14000
3.810	V	A copy of Test Chann	14000
3.810	V	FSN alt programming	14000
3.810	V	MSC m	14000
3.810	V	MSC w	14000
3.830	V	BALT DMA Blackout	14000
3.830	V	CSN Alternate Channe	14000
3.830	V	CSN Alternate Channe	14000
3.830	V	CSN Baltimore	14000
3.830	V	CSN Baltimore	14000
3.830	V	CSN Baltimore 202	14000
3.830	V	CSN Beckley/Bluefi	14000
3.830	V	CSN Charlottesvill	14000
3.830	V	CSN Harrisburg Wiz	14000
3.830	V	CSN Harrisburg/Yor	14000
3.830	V	CSN Harrisonburg V	14000
3.830	V	CSN International/Ph	14000
3.830	V	CSN Media Pool	14000
3.830	V	CSN Norfolk VA	14000
3.830	V	CSN Philly, PA	14000
3.830	V	CSN Richmond VA	14000
3.830	V	CSN Roanoke VA	14000
3.830	V	CSN Salisbury	14000
3.830	V	CSN Tri-Cities VA	14000
3.830	V	CSN Washington	14000
3.830	V	Independance/Stuart	14000
3.837	H	Supercanal Caribe	3617
3.844	H	Horse Racing TV	3024
4.043	H	Ambassador 1	7140
4.043	H	Ambassador 2	7140
4.043	H	Focus on the Family	7140
4.043	H	Focus on the Family	7140
4.043	H	Focus on the Family	7140
4.043	H	Info Radio Net	7140
4.043	H	Moody Bible Radio 1	7140
4.043	H	Moody Bible Radio 2	7140
4.043	H	Salem Radio Network	7140
4.043	H	Salem Radio Network	7140
4.043	H	Salem Radio Network	7140
4.043	H	Salem Radio Network	7140
4.043	H	Salem Radio Network	7140
4.043	H	Salem Radio Network	7140
4.043	H	Data service	7140
4.106	H	ZNS TV Bahamas	6150
4.118	H	PBS NY	9300
4.118	H	WPIX	9300
4.118	H	WWOR	9300
4.118	H	DEFAULT	9300
4.132	H	WNET-TV	9300
4.140	V	CNBC	
4.174	H	SG Test Card	3024

AMC003KB

Freq GHz	Pol	Channel Name	Symbol rate
11.723	H		3675
11.736	V	AR/FRN	6102
11.736	V	ENGLISH	6102
11.736	V	INFO.	6102
11.736	V	UR/ENG	6102
11.736	V	URDU	6102
11.820	V	AR/FRN	10000
11.956	H	Marketsource	21000
11.956	H	Entertainment,Reques	21000
11.956	H	Live Events	21000
11.956	H	Newsource Main	21000
11.974	H	GPTV feeds (Channe	6000
11.974	H	GPTV feeds ({Empty	6000
12.008	V	AR/FRN	5000
12.096	H	Service 2	4340
12.144	H	Montana PBS Feed (	4340
12.144	H	Montana PBS Feed (	4340
12.144	H	Montana PBS Feed (	4340
12.144	H	Montana PBS Feed (	4340
12.162	H	Service 2 SD	4444
12.169	H	Service 2 SD	4444

AMC 2
275.0 East (85.0 West)

AMC002KB

Freq GHz	Pol	Channel Name	Symbol rate
12.196	H	Echostar Test Card	3979

C-Band: BRASILSAT B3
276.0 East (84.0 West)

BRA0B3CN

Freq GHz	Pol	Channel Name	Symbol rate
3.698	V	TV Catolica Cancao N	4280
3.698	V	Radio Cancao Nova	4280
3.700	V	TV Sul America	3333
3.705	H	TV SERRA DOURADA	4278
3.705	H	TV Serra Dourada	4278
3.710	V	Assemblia Sao Paulo	12960
3.710	V	Cine Brasil TV	12960
3.710	V	Teleconferencia Chan	12960
3.710	V	TV Cultura Sao Paulo	12960
3.710	V	TV Ra-Tim-Bum	12960
3.710	V	Radio Cultura AM	12960
3.710	V	Radio Cultura FM	12960
3.716	H	TV Grande Minas	4000
3.724	V	Radio Pentacostal De	2075
3.724	H	TV Mirante	4412
3.724	H	Mirante FM	4412
3.724	H	Disable Al	4412
3.724	H	Disable Vide	4412
3.724	H	MnSa	4412
3.732	V	audio	3214
3.732	V	TV Radio Clube	3214
3.736	H	TV Sul Fluminense	3330
3.736	H	Radio Sul Fluminense	3330
3.738	V	TV Morena	4708
3.745	V	Net Cable TV promo	3110
3.747	H	Canal Audio	4299
3.747	H	Rede Nacional	4299
3.753	H	RBA Sat	3563
3.753	H	Radio Clube - Belem	3563
3.754	V	Data service	5000
3.754	V	Data service	5000
3.754	V	Data service	5000
3.754	V	Data service	5000
3.754	V	Data service	5000
3.754	V	Data service	5000
3.754	V	Data service	5000
3.754	V	Data service	5000
3.754	V	Data service	5000
3.757	H	TV Cidade Verde	3563
3.765	H	TV Net	4285
3.765	H	TVE Bahia	4285
3.765	H	Radio Educadora FM	4285
3.765	H	Decoder OS Download	4285
3.768	V	Test Card	8000
3.768	V	Rede STV	8000
3.768	V	Teleconferencia	8000
3.769	H	TV Horizonte	3333
3.769	H	Radio Cultura AM	3333
3.776	H	TV Palmas	3327
3.781	V	TV Taroba	3330
3.791	V	TV Assembleia Legi	3330
3.825	H	Rede Mundial TV	3002
3.844	H	Feeds (NoName)	3213
3.848	H	Internacional	10127
3.848	H	Nacional	10127
3.848	H	Regional	10127
3.848	H	TV Cancao Nova (Inte	10127
3.848	H	TV Cancao Nova (Naci	10127
3.848	H	TV Cancao Nova (Regi	10127
3.856	H	Canal Audio	4295
3.856	H	Rede Nacional	4295
3.858	V	KTV	4289
3.858	V	Rio de Janeiro	4289
3.858	V	VIDEOCOM	4289
3.866	H	Record Belem	4423
3.866	H	Rede Record-PA	4423
3.871	H	Rede Record-RJ	4433
3.877	H	Rede Familia	4450
3.889	H	Rede Record-BA	4440
3.895	H	Rede Record-GO	4430
3.906	H	TV Gazeta	3929
3.911	V	TV Sul Bahia	3255
3.912	H	RD IELF-1	3617
3.912	H	RD IELF-2	3617
3.916	H	TV Campo Grande MS	3255
3.921	H	TV Genesis	3255
3.924	V	TV Damasio	1808
3.926	V	TV Aratu Da Bahia	3255
3.931	H	Galeria de Artes	3255
3.933	V	Bandeirantes - Bahia	3255
3.936	V	Medalhao Persa fe	3255
3.936	H	MEDALHAO PERSA-PR	3255
3.936	H	TV Exclusiva	3255
3.941	V	REDE SUPER	3255
3.941	V	Rede Super	3255
3.944	V	TV Assembleia Gaucha	1808
3.951	V	Rede Brasileira de I	4340
3.955	V	TV Tribuna	4340
3.967	V	Mix TV Regional	2170
3.970	V	5	4445
3.970	V	TV Educativa do Ri	4445
3.970	V	Radio FM Cultura 107	4445
3.986	V	Cine Brasil	3255
3.989	V	CBS TV	2666
4.013	V	TV Educativa	3255
4.054	V	Teve Shop Cachoeria	1287
4.060	V	TV Justica	3330
4.075	V	CNT	4444
4.087	H	Band 1	17200
4.087	H	Band 2	17200
4.087	H	Band News	17200
4.087	H	Band Sports	17200
4.087	H	Rede 21	17200
4.087	H	Band AM	17200
4.087	H	Band FM	17200
4.087	H	RADIO A	17200
4.087	H	RADIO B	17200
4.087	H	RADIO C	17200
4.087	H	RADIO D	17200
4.087	H	RADIO E	17200
4.133	V	TV Assembleia Legi	2531
4.151	H	Pucsat Rio Grande do	1808
4.153	V	Praetorium Sat	1851
4.155	V	Sexy TV	2169
4.155	V	SEXY TV	2169
4.155	V	SEXY TV	2169
4.167	H	TV Educon	3255
4.169	V	TV Basa	8140

BRA0B3CR

Freq GHz	Pol	Channel Name	Symbol rate
3.688	V	Canal 21	2308
3.697	H	Rede Cig	1808

AMC 9
277.0 East (83.0 West)

AMC003KB

Freq GHz	Pol	Channel Name	Symbol rate
11.725	H	Feed	4232
11.731	H	Feed	4232
11.737	H	Feed	4232
11.749	H	Feed (DIGITAL SNG	4232
11.749	H	Feed (NBC5 CHI #2)	4232
11.749	H	Feed (TADIRAN SCO	4232
11.752	H	Feed (DIGITAL SNG	4232
11.752	H	Feed (Service 2)	4232
11.752	H	Feed (WSMV)	4232
11.756	H	Feed (DIGITAL SNG	4232
11.756	H	Feed (WAVY 21)	4232
11.756	H	Feed (WHDH DSNG)	4232
11.762	H	Feed (DIGITAL SNG	4232
11.762	H	Feed (FOX)	4232
11.762	H	Feed (WHDH DSNG)	4232
11.768	H	Feed (DIGITAL SNG	4232
11.768	H	Feed (SCOPUS-NET-	4232
11.768	H	Feed (VIDEO LOSS)	4232
11.768	H	Feed (WNDU-TV Live	4232
11.772	H	Feed (DIGITAL SNG	4232
11.774	H	Feed (AMC 9/3F)	4232
11.774	H	Feed (AMC 9/3F)	4232
11.778	H	Feed (AMC 9/3F)	4232
11.778	H	Feed (DIGITAL SNG	4232
11.790	H	Feed (DIGITAL SNG	4232
11.790	H	Feed (Service Name)	4232
11.790	H	Feed (Tandberg Servi	4232
11.845	H	Feed	17800
11.847	H	Feed	13333
11.939	V	Feed	28105
11.971	H	Feed	8417
12.040	H	Feed ({Empty Name})	30000
12.040	H	Feed ({Empty Name})	30000
12.060	V	Feed ({Empty Name})	30000
12.060	V	Feed ({Empty Name})	30000
12.080	H	Feed ({Empty Name})	30000
12.080	H	Feed ({Empty Name})	30000
12.080	H	Feed ({Empty Name})	30000
12.120	H	Feed ({Empty Name})	30000
12.120	H	Feed ({Empty Name})	30000
12.140	V	Feed ({Empty Name})	30000
12.160	V	Feed ({Empty Name})	30000
12.180	V	Feed ({Empty Name})	30000

NIMIQ 2
278.0 East (82.0 West)

NIM002KB

Freq GHz	Pol	Channel Name	Symbol rate
12.224	R	Fairchild TV East	20000
12.224	R	Fairchild TV West	20000
12.224	R	WCVB-DT	20000
12.253	R	Asian TV Network	20000
12.253	R	DW-TV	20000
12.253	R	PrideVision TV	20000
12.253	R	WBZ-DT	20000
12.282	R	The Racing Network	20000
12.282	R	Vu TV 1	20000
12.282	R	WHDH-DT	20000
12.282	R	Polskie Radio	20000
12.311	R	EWTN	20000
12.311	R	WFXT-DT	20000
12.326	L	Vu HD3	20000
12.326	L	Vu HD4	20000
12.341	R	WGBH-DT	20000
12.370	R	KOMO-DT	20000
12.370	R	Test Card	20000
12.399	R	KIRO-DT	20000
12.399	R	Mango	20000
12.428	R	KING-DT	20000
12.428	R	XPRS 2	20000
12.443	L	BTV	20000
12.443	L	CPJC-TV	20000
12.443	L	XPRS 4	20000
12.443	L	DW Radio 1	20000
12.443	L	DW Radio 2	20000
12.443	L	Galaxie Celtic/Celti	20000
12.443	L	Galaxie Electronic	20000
12.443	L	Galaxie Latino Tropi	20000
12.443	L	Galaxie Opera Plus	20000
12.443	L	Galaxie Standards	20000
12.443	L	Pharmacie Jean Coutu	20000
12.443	L	Uniprix Radio	20000
12.457	R	Alpha	20000
12.457	R	KCPQ-DT	20000
12.457	R	XPRS Tests	20000
12.486	R	KCTS-DT	20000
12.486	R	OMNI2	20000
12.486	R	Saskatchewan Legisla	20000
12.516	R	CH Montreal	20000
12.516	R	Channel M	20000
12.516	R	Vu HD 2	20000
12.545	R	B4U	20000
12.545	R	CITY-DT	20000
12.545	R	TV Polonia	20000
12.574	R	M-HD	20000
12.574	R	MC-HD	20000
12.574	R	Tamil TV	20000
12.574	R	Vu HD 1	20000
12.604	R	DIS HD	20000
12.604	R	TSN HD	20000
12.677	L	CFTK-TV	20000
12.677	L	Oddessy 1	20000
12.677	L	Oddessy 2	20000
12.677	L	Skywy	20000
12.677	L	Talentvision	20000
12.677	L	TRN Vu	20000

AMC 5
281.0 East (79.0 West)

AMC005KB

Freq GHz	Pol	Channel Name	Symbol rate
11.854	V	KTVT PATH1	3979
11.854	V	KUTV	3979
11.854	V	NYN - 1	3979
●11.854	V	SADIRAN SCOPUS	3979
11.854	V	Service 1	3979
●11.854	V	Service 1	3979
11.854	V	Service 2	3979
11.854	V	STS 3 Encoder 1	3979
11.854	V	UNIT-25 PATH 1	3979
11.854	V	WWL TRK1P1	3979
11.900	H	NYN - 1	2170
11.913	H	NYN - 1	6111
●11.913	H	Tandberg Service	6111
11.939	H	CONTROL 1	6510
11.939	H	NYN - 1	6510
●11.939	H	Sinclair News Centra	6510
11.939	H	Sinclair News Centra	6510
12.033	V	Feed	3979
●12.033	V	Feed (AL_Mobile)	3979
●12.033	V	Feed (DIGITAL SNG	3979
12.038	V	Feed	3979
●12.038	V	Feed (GULFCOAST.1)	3979
12.118	H	NYN - 1	14062
●12.152	H	Crawford Truck 6 KU	13000
12.152	H	NYN - 1	13000
12.182	H	NYN 4	23000
12.182	H	NYN 5	23000
12.182	H	NYN 6	23000
12.182	H	NYN 7	23000
12.182	H	NYN 8	23000
12.182	H	NYN - 1	23000
12.182	H	NYN - 2	23000
12.182	H	NYN - 3	23000
12.182	H	NYN - 4	23000
12.182	H	NYN - 5	23000
12.182	H	NYN - 6	23000
12.182	H	NYN - 7	23000
12.182	H	NYN - 8	23000
12.182	H	NYN - 9	23000
12.182	H	NYN 1	23000
●12.182	H	NYN 2	23000
12.182	H	NYN 3	23000
12.182	H	NYN 9	23000

SBS 6
286.0 East (74.0 West)

SBS006VB

Freq GHz	Pol	Channel Name	Symbol rate
11.741	H	Service 1	6616
11.796	V	OLN HD PRIMARY	24741
11.911	H	ENC 1	13235
11.911	H	ENC 2	13235
11.911	H	UFC64	13235
11.920	H	Feed	14143
11.934	V	Feed	15556
11.936	V	Feed (Tribune 5/6)	4297
11.936	V	Feed ({Empty Name})	4297
11.936	V	Feed ({Empty Name})	4297
11.952	H	Feed	3978
11.952	H	Feed (NEWS 12 WE	3978
11.954	V	Feed (KTLA Single	4297
11.954	V	Feed (WPIX KU 2 SA	4297
11.954	V	Feed ({Empty Name})	4297
11.958	V	Feed (Tribune 5/6)	4297
11.958	V	Feed (WPIX_TV)	4297
11.958	V	Feed ({Empty Name})	4297
11.958	V	Feed ({Empty Name})	4297
11.959	H	CHEESESTEAK 1	13235
11.959	H	PSSI	13235
11.959	H	SCOPUS-NET-TECH	13235
11.959	H	Signal 3 Channel 3	13235
11.959	H	SURE SHOT ENC1	13235
11.964	V	Tribune DC	4297
11.975	H	Crawford T5_A	13235
11.975	H	Tandberg Service	13235
11.977	V	Feed	6111
11.977	V	Feed (Service 2)	6111
11.977	V	Feed (WTVT TAMPA)	3978
11.977	V	Feed ({Empty Name})	6111
11.979	H	Feed (NEWS 12 LI/1	3978
11.979	H	Feed (NEWS_12 _NJ)	3978
11.986	V	Feed	6111
11.987	H	Feed	3978
11.987	H	Feed (NEWS 12 CT)	3978
11.987	H	Feed (WDAF SNG)	3978
12.002	V	NEW ORLEANS PATH	3200
12.009	V	SATOPS NETU15	6890
12.009	V	SATOPS NETU16	6890
12.009	V	SATOPS NETU18	6890
12.009	V	SATOPS NETU19	6890
12.029	H	Feed (Auto 9MHz)	4492
12.033	V	NBC Feed (AMC-1/9	4232
12.033	V	NBC Feed (NBC SAT	4232
12.033	V	NBC Feed (PEAK)	4232
12.033	V	NBC Feed (SATELLI	4232
12.037	H	Feed (DIRECT BR0A	4492

AMC 6
288.0 East (72.0 West)

AMC006CB

Freq GHz	Pol	Channel Name	Symbol rate
3.934	V	WRBJ-TV	8681
3.934	V	WZRB-TV	8681
3.994	V	PA CABLE NETWORK	4167
4.040	V	NASA Education Ser	26665
4.040	V	NASA Media Service	26665
4.040	V	NASA MissionOperat	26665
4.040	V	NASA Public Servic	26665

NAHUEL 1A
288.2 East (71.8 West)

NAH001K1

Freq GHz	Pol	Channel Name	Symbol rate
11.649	V	Canal 7	3700
11.680	V	La Pampa	3385
11.692	V	Canal 9	3385
11.692	V	TV Santa Cruz	3385
11.692	V	Radio Provincia Del	3385
11.817	V	Canal Rural Satelita	
11.865	H	Valparaiso Sporting	3000
11.954	V	Canal 10	17910
11.954	V	Monte Carlo TV	17910
11.954	V	Red de TV Color	17910
11.954	V	Teledoce	17910
11.954	V	TVE Internacional Am	17910
11.954	V	Tveo TV Nacional	17910
11.954	V	Concierto FM	17910
11.954	V	CX 6 Sodre	17910
11.954	V	Radio Carve	17910
11.954	V	Radio Cero	17910
11.954	V	X FM	17910
11.997	V	CM El Canal de la Mu	8476
11.997	V	Cronica TV	8476
12.180	V	Canal 7 Santiago	4201

NAH001K3

Freq GHz	Pol	Channel Name	Symbol rate
11.478	V	TV Libre	2220
11.585	V	Canal 11	3700
11.603	V	Canal 27 Guatemala	3600
11.611	V	Unsion Equador	3400
11.626	V	Canal 48 Honduras	3600
11.633	V	Conexion 31 Promos	3600
11.633	V	Nahuel Promos	3600
11.675	V	TV Libre Uruguay	3600
11.708	V	Canal Rural Satelita	12000
11.708	V	Conexion Educativa	12000
11.708	V	Nahuel Promos	12000
11.708	V	SEMSAT - Sembrando	12000
11.722	H	IP/DVB	14403
11.739	V	Red Media Educativa	1482
11.949	H	Hipodromo	4688

C-Band: BRASILSAT B1
290.0 East (70.0 West)

BRA0B1CN

Freq GHz	Pol	Channel Name	Symbol rate
3.720	H	Rede Globo	
3.734	V	SBT	
3.750	H	TVE Brasil	
3.750	H	Radio MEC	
3.770	H	TV Escola	
3.770	H	Radiobras	
3.780	V	Rede TV	
3.805	H	Rede Bandeirantes	
3.820	V	ACTION	27500
3.820	V	CULT	27500
3.820	V	EMOTION	27500
3.820	V	Feeds	27500
3.820	V	Multishow	27500
3.820	V	MULTISHOW	27500
3.820	V	PIPOCA	27500
3.820	V	PREMIERE4	27500
3.820	V	PREMIUM	27500
3.820	V	Telecine Action	27500
3.820	V	Telecine Classic	27500
3.820	V	Telecine Emotion	27500
3.820	V	Telecine Happy	27500
3.820	V	Telecine Premium	27500
3.820	V	CCP DOWNLOAD	27500
3.820	V	DCP DOWNLOAD	27500
3.820	V	VC for ENC1P10	27500
3.820	V	VC for ENC1P8	27500
3.820	V	VC for ENC1P9	27500
3.820	V	BSR_HESR DOWNLOAD	27500
3.820	V	CCP Download (sistem	27500
3.820	V	DCP Download (sistem	27500
3.830	H	RTVE Parana	
3.830	H	Educativa FM	
3.850	H	TV Polishop	
3.860	V	Rede Record	

Freq GHz	Pol	Channel Name	Symbol rate
3.860	V	Radio Pentecostal	
3.870	H	Canal Do Boi	
3.870	H	Radio Boa Nova	
3.875	V	TV RECORD SP	5926
3.890	H	Rede Vida	
3.900	V	BRASIL	27500
3.900	V	Canal Brazil	27500
3.900	V	feeds	27500
3.900	V	Feeds	27500
3.900	V	Globo News	27500
3.900	V	GLOBONEWS	27500
3.900	V	GNT	27500
3.900	V	GNT	27500
3.900	V	PREMIERE5	27500
3.900	V	PREMIERE6	27500
3.900	V	Sexy Hot	27500
3.900	V	SEXYHOT	27500
3.900	V	UNIVERSAL	27500
3.900	V	USA Network Brazil	27500
3.900	V	VC for ENC2P10	27500
3.900	V	VC for ENC2P8	27500
3.900	V	VC for ENC2P9	27500
3.900	V	CCP Download (sistem	27500
3.900	V	DCP Download (sistem	27500
3.910	H	TV Jockey	
3.930	H	Feed	
3.940	V	CANAL 7	27500
3.940	V	Feeds	27500
3.940	V	Premiere 1	27500
3.940	V	Premiere 2	27500
3.940	V	Premiere 3	27500
3.940	V	SporTV	27500
3.940	V	CANAL 6	27500
3.940	V	CCP Download (sistem	27500
3.940	V	DCP Download (sistem	27500
3.940	V	A copy of PREMIER	27500
3.940	V	A copy of PREMIER	27500
3.940	V	BSR_HESR Download	27500
3.940	V	CCP Download	27500
3.940	V	DCP Download (sistem	27500
3.955	H	TV Ceara-Educativa	4400
3.964	H	TV MUNDO MAIOR	1328
3.965	V	TV ESCOLA	2930
3.965	V	TV Escola	2930
3.973	V	Biblioteca Digital M	4030
3.978	V	Cine Brasil	1220
3.979	V	CBED CH2	3616
3.979	V	REDE CBED	3616
3.979	V	REDE CBED	3616
3.979	V	REDE CBED	3616
3.981	V	TV CBED	1808
3.984	H	Rede Nacional	1808
3.984	H	Test Card	1808
4.010	H	ESPN Brasil	13021
4.010	H	ESPN Brasil Altern	13021
4.010	H	MTV 2	13021
4.010	H	MTV Brasil	13021
4.010	V	RIT - Rede Interna	
4.030	V	NBR TV	
4.040	H	Animal Planet	30000
4.040	H	Band News	30000
4.040	H	Band Sports	30000
4.040	H	Boomerang	30000
4.040	H	Canal Brasil	30000
4.040	H	Cartoon Network	30000
4.040	H	Discovery Channel	30000
4.040	H	Discovery Kids	30000
4.040	H	People & Arts	30000
4.040	H	TCM	30000
4.040	H	Teste	30000
4.040	H	TNT	30000
4.040	H	Climatempo	30000
4.047	V	TV Amazonas	7150
4.047	V	Amazon Sat	7150
4.047	V	Amazonas FM	7150
4.066	V	TV Cancao Nova	
4.066	V	Radio Cancao Nova	
4.070	H	TV Diario	
4.090	V	Canal Futura	
4.090	H	TV Camara	
4.110	V	ShopTime	
4.110	H	TV Gazeta	
4.130	V	TV Cultura	
4.130	H	TV Senado	
4.130	H	Radio Cancao Nova	
4.150	V	Rede Mulher	
4.150	H	TV Seculo 21	
4.170	V	Amazon Sat	
4.170	H	Canal Rural	
4.170	H	Radio Rural AM	
4.190	V	Agro Canal Tests	

BRA0B1CR

Freq GHz	Pol	Channel Name	Symbol rate
3.628	H	TV Camara	3000
3.628	H	Radio Camara FM	3000
3.634	H	TV Seculo 21	4500
3.642	H	NGT	3263
3.645	V	TV Senado	3213
3.645	V	Radio Senado FM	3213
3.648	H	TV Liberal	4285
3.648	H	Canal dois (AM/FM)	4285
3.648	H	Radio Liberal AM	4285
3.648	H	Radio Liberal FM	4285
3.650	V	Rede Transporte	4400
3.656	H	TV Brasil Central	3392
3.656	H	TV Brasil Central	3392
3.656	V	TV Meio Norte	4463
3.656	H	Empty audio channel	3392
3.656	V	Radio Brasil Sat	4463
3.656	V	Radio Brasil Sat FM	4463
3.656	V	Disable Al	4463
3.656	V	Disable Vide	4463
3.656	V	MnSa	4463
3.663	V	Unnamed	4607
3.663	V	TV Bahia	4607
3.663	V	TV Bahia	4607
3.663	V	Rede Tropicalsat	4607
3.665	H	Rede Bandeirantes Mi	4700
3.665	H	Band FM de Minas Ger	4700
3.672	V	TV Alterosa	8454
3.672	V	TV Alterosa	8454
3.672	H	TV Centro America	4713
3.672	V	Radio Guarani FM	8454
3.672	V	canal 4 enc 2	8454
3.672	V	Data Service	8454
3.680	H	Rede Globo Minas Ger	6000
3.685	H	Rede Vida Feeds	4500
3.688	H	Rede Globo Sao Paolo	6000
3.696	H	Rede Minas	3598
3.696	H	Radio Inconfidencia	3598
3.703	V	TV Difusora do Maran	3250
3.703	V	Difusora FM-AM	3250
3.708	V	TV Mirante	3250
3.708	V	Radio Mirante AM	3250
3.708	V	Radio Mirante FM	3250
3.708	V	COMSAT DVS	3250
3.714	V	Rede Record Minas Ge	4400
3.714	V	Service 1	4400
3.714	V	Rede Aleluia Minas G	4400
3.752	V	SBT	6220

C-Band: BRASILSAT B2
295.0 East (65.0 West)

BRA0B2CN

Freq GHz	Pol	Channel Name	Symbol rate
3.706	H	BAND Pres.Prudente	2462
3.721	H	TV BB 1	2963
3.721	H	TV Banco do Brasil C	2963
3.736	H	Service 2	4285
3.736	H	Radio Boas Novas	4285
3.746	H	RBN-REDE	3540
3.746	H	Rede Boas Novas	3540
3.766	H	Canal Futura	3335
3.766	H	Service 1	3335
3.792	V	Radio Gazeta	3393
3.792	V	TV Gazeta MT	3393
3.847	H	TV Tibagi	4444
3.864	H	Canal do Boi Sertaoz	3214
3.876	V	NBR TV	4688
3.876	V	Radio Nacional AM	4688
3.876	V	Radio Nacional FM	4688
3.877	V	TV TAROBA	2740
3.884	H	BAND Presidente Pr	2800
4.008	H	TV Rodolink	3332
4.012	V	AOL	5000
4.105	V	CANAL DO BOI - 2T	4285
4.112	V	NoName	4285

ESTRELA DO SUL 1
297.0 East (63.0 West)

EST001KB

Freq GHz	Pol	Channel Name	Symbol rate
11.955	H	CPC - Curso Prepar	2199
11.961	H	CPC - Curso Prepar	2199
12.088	H	LORAL BR	3214

TV Digital
Radio Digital
TV Digital Crypt
Radio Digital Crypt
TV High Definition
TV High Definition Crypt
Data Channel
TV Analog
Radio Analog

ECHOSTAR 3, RAINBOW 1
298.5 East (61.5 West)

ECH003KB

Freq GHz	Pol	Channel Name	Symbol rate
12.239	L	BSN - Busch Satell	20000
12.239	L	WGGS-TV (TBN)	20000
12.239	L	WNTV-TV Greenville	20000
12.268	L	Discovery HD Theater	20000
12.282	R	BSN - Busch Satell	20000
12.282	R	Business TV	20000
12.282	R	Business TV	20000
12.282	R	Business TV	20000
12.282	R	Business TV	20000
12.282	R	Business TV	20000
12.282	R	ETC 1	20000
12.282	R	ETC 2	20000
12.282	R	Special 1	20000
12.282	R	Special 2	20000
12.282	R	Special 3	20000
12.297	L	ART Global America	20000
12.297	L	ART Movies America	20000
12.297	L	Asia TV	20000
12.297	L	B4U Movies USA	20000
12.297	L	CCTV 4	20000
12.297	L	LBC America	20000
12.297	L	Phoenix Chinese	20000
12.297	L	The Israeli Network	20000
12.297	L	TV 5 Etats Unis	20000
12.297	L	Zee Gold	20000
12.297	L	Zee TV USA	20000
12.297	L	ART Music Radio	20000
12.297	L	Radio France Interna	20000
12.311	R	HDTV Promo	20000
12.326	L	ARYDI	20000
12.326	L	ARYDI	20000
12.326	L	ARYDI	20000
12.326	L	ARYDI	20000
●12.326	L	ARYDI	20000
12.326	L	ARYDI	20000
12.326	L	B4UMU	20000
12.326	L	B4UMU	20000
12.326	L	B4UMU	20000
12.326	L	B4UMU	20000
●12.326	L	B4UMU	20000
12.326	L	B4UMU	20000
12.326	L	DUBAI	20000
12.326	L	DUBAI	20000
12.326	L	DUBAI	20000
12.326	L	DUBAI	20000
12.326	L	DUBAI	20000
●12.326	L	DUBAI	20000
12.326	L	ESC-1	20000
●12.326	L	ESC-1	20000
12.326	L	ESC-1	20000
12.326	L	ESC-1	20000
12.326	L	ESC-1	20000
12.326	L	ESC-1	20000
12.326	L	FUTUR	20000
●12.326	L	FUTUR	20000
12.326	L	FUTUR	20000
12.326	L	FUTUR	20000
12.326	L	FUTUR	20000
12.326	L	FUTUR	20000
12.326	L	IQRAA	20000
12.326	L	IQRAA	20000
12.326	L	IQRAA	20000
●12.326	L	IQRAA	20000
12.326	L	IQRAA	20000
12.326	L	IQRAA	20000
12.326	L	ITVN	20000
12.326	L	ITVN	20000
●12.326	L	ITVN	20000
12.326	L	ITVN	20000
12.326	L	ITVN	20000
12.326	L	ITVN	20000
12.326	L	LEOWD	20000
●12.326	L	LEOWD	20000
12.326	L	LEOWD	20000
12.326	L	LEOWD	20000
12.326	L	LEOWD	20000
12.326	L	LEOWD	20000
12.326	L	NILE	20000
12.326	L	NILE	20000
12.326	L	NILE	20000
●12.326	L	NILE	20000
12.326	L	NILE	20000
12.326	L	NILE	20000
12.326	L	PTV	20000
12.326	L	PTV	20000
12.326	L	PTV	20000
12.326	L	PTV	20000
●12.326	L	PTV	20000
12.326	L	PTV	20000
12.326	L	SPORT	20000
12.326	L	SPORT	20000
12.326	L	SPORT	20000
●12.326	L	SPORT	20000
12.326	L	SPORT	20000
12.326	L	SPORT	20000
12.326	L	RAD60	20000
12.326	L	RAD60	20000
●12.326	L	RAD60	20000
12.326	L	RAD60	20000
12.326	L	RAD60	20000
12.326	L	RAD60	20000
12.384	L	AAJTK	20000
12.384	L	AAJTK	20000
12.384	L	AAJTK	20000
12.384	L	ALTER	20000
12.384	L	ALTER	20000
12.384	L	ALTER	20000
12.384	L	APUNJ	20000
12.384	L	APUNJ	20000
12.384	L	APUNJ	20000
12.384	L	FPCHN	20000
●12.384	L	FPCHN	20000
12.384	L	FPCHN	20000
12.384	L	FPCHN	20000
12.384	L	HT	20000
12.384	L	HT	20000
12.384	L	HT	20000
12.384	L	JSTV	20000
12.384	L	JSTV	20000
12.384	L	JSTV	20000
12.384	L	K TV	20000
12.384	L	K TV	20000
12.384	L	K TV	20000
12.384	L	SAMAY	20000
12.384	L	SAMAY	20000
12.384	L	SAMAY	20000
12.384	L	SHARA	20000
12.384	L	SHARA	20000
12.384	L	SHARA	20000
12.384	L	TELSD	20000
12.384	L	TELSD	20000
12.384	L	TELSD	20000
12.384	L	TRACE	20000
12.384	L	TRACE	20000
12.384	L	TRACE	20000
●12.384	L	ZEESA	20000
12.384	L	ZGUJ	20000
12.384	L	ZGUJ	20000
12.384	L	ZGUJ	20000
12.399	R	Dish 4 Showroom Prom	20000
12.399	R	HDTV PPV	20000
12.399	R	iShopNetworks	20000
12.399	R	Shop at Home	20000
12.414	L	BSN	20000
12.414	L	BSN	20000
12.414	L	BSN	20000
12.414	L	BSN	20000
12.414	L	ERT	20000
12.414	L	ERT	20000
12.414	L	ERT	20000
12.414	L	ERT	20000
12.414	L	EURNS	20000
12.414	L	EURNS	20000
12.414	L	EURNS	20000
12.414	L	EURNS	20000
12.414	L	EURNS	20000
12.414	L	EURNS	20000
12.414	L	EURNS	20000
12.414	L	HTBA	20000
12.414	L	HTBA	20000
12.414	L	HTBA	20000
12.414	L	HTBA	20000
12.414	L	KINO	20000
12.414	L	KINO	20000
12.414	L	KINO	20000
12.414	L	KINO	20000
12.414	L	MEGA	20000
12.414	L	MEGA	20000
12.414	L	MEGA	20000
12.414	L	MEGA	20000
12.414	L	NEWTV	20000
12.414	L	NEWTV	20000
12.414	L	NEWTV	20000
12.414	L	NEWTV	20000
12.414	L	RTVI	20000
12.414	L	RTVI	20000
12.414	L	RTVI	20000
12.414	L	RTVI	20000
12.414	L	RTVI+	20000
12.414	L	RTVI+	20000
12.414	L	RTVI+	20000
12.414	L	RTVI+	20000
12.414	L	TVCI	20000
12.414	L	TVCI	20000
12.414	L	TVCI	20000
12.414	L	TVCI	20000
12.414	L	TVN24	20000
12.414	L	TVN24	20000
12.414	L	TVN24	20000
12.414	L	TVN24	20000
12.414	L	ERA-5	20000
12.414	L	ERA-5	20000
12.414	L	ERA-5	20000
12.414	L	ERA-5	20000
12.428	R	ALJAZ	20000
●12.428	R	ALJAZ	20000
12.428	R	ALJAZ	20000
12.428	R	ALJAZ	20000
12.428	R	ALJAZ	20000
12.428	R	ARTS	20000
12.428	R	ARTS	20000
12.428	R	ARTS	20000
●12.428	R	ARTS	20000
12.428	R	ARTS	20000
12.428	R	CCTV4	20000
●12.428	R	CCTV4	20000
12.428	R	CCTV4	20000
12.428	R	CCTV4	20000
12.428	R	CCTV4	20000
●12.428	R	LBC	20000
12.428	R	LBC	20000
12.428	R	LBC	20000
12.428	R	LBC	20000
12.428	R	LBC	20000
●12.428	R	MBC	20000
12.428	R	MBC	20000
12.428	R	MBC	20000
12.428	R	MBC	20000
12.428	R	MBC	20000
12.428	R	PNTGN	20000
12.428	R	PNTGN	20000
12.428	R	PNTGN	20000
12.428	R	PNTGN	20000
●12.428	R	PNTGN	20000
12.428	R	RAI	20000
12.428	R	RAI	20000
12.428	R	RAI	20000
12.428	R	RAI	20000
●12.428	R	RAI	20000
12.428	R	R-300	20000
●12.428	R	R-300	20000
12.428	R	R-300	20000
12.428	R	R-300	20000
12.428	R	R-300	20000
●12.428	R	RAIRD	20000
12.428	R	RAIRD	20000
12.428	R	RAIRD	20000
12.428	R	RAIRD	20000
12.428	R	RAIRD	20000
12.443	L	ANTEN	20000
12.443	L	ANTEN	20000
12.443	L	ANTGO	20000
12.443	L	ANTGO	20000
12.443	L	BLUE	20000
12.443	L	BLUE	20000
●12.443	L	FPCHN	20000
12.443	L	FPCHN	20000
12.443	L	FPCHN	20000
12.443	L	FPCHN	20000
12.443	L	INDMU	20000
12.443	L	INDMU	20000
12.443	L	INDVI	20000
12.443	L	INDVI	20000
12.443	L	WJAR	20000
12.443	L	WJAR	20000
12.443	L	WLNE	20000
12.443	L	WLNE	20000
12.443	L	WLWC	20000
12.443	L	WLWC	20000
12.443	L	WNAC	20000
12.443	L	WNAC	20000
12.443	L	WPRI	20000
12.443	L	WPRI	20000
12.443	L	WSBE	20000
12.443	L	WSBE	20000
12.443	L	ANTRA	20000
12.443	L	ANTRA	20000
12.443	L	HLMK	20000
12.443	L	HLMK	20000
12.443	L	RYTHM	20000
12.443	L	RYTHM	20000
12.443	L	SSPFM	20000
12.443	L	SSPFM	20000
12.472	L	ABUDA	20000
12.472	L	ABUDA	20000
12.472	L	GLOBO	20000
12.472	L	GLOBO	20000
12.472	L	KBS	20000
12.472	L	KBS	20000
12.472	L	NORST	20000
12.472	L	NORST	20000
12.472	L	RBTI	20000
12.472	L	RBTI	20000
12.472	L	RCORD	20000
12.472	L	RCORD	20000
12.472	L	SET	20000
12.472	L	SET	20000
●12.472	L	SETA	20000
12.472	L	SETMX	20000
12.472	L	SETMX	20000
12.472	L	SUNTV	20000
12.472	L	SUNTV	20000
12.472	L	TVASA	20000
12.472	L	TVASA	20000
12.472	L	TVJPN	20000
12.472	L	TVJPN	20000
12.472	L	ERASP	20000
12.472	L	ERASP	20000
12.501	L	WCBS-DT	20000
12.501	L	WHTN-TV	20000
12.501	L	WJFB-TV	20000
12.530	L	WFDC-TV	20000
12.530	L	WGBX-TV	20000
12.530	L	WHAG-TV	20000
12.530	L	WHUT-TV	20000
12.530	L	WLLA-TV	20000
12.530	L	WNDS-TV	20000
12.530	L	WNVC-TV	20000
12.530	L	WNVT-TV	20000
12.530	L	WUNI-TV	20000
12.530	L	WUTF-TV	20000
12.530	L	WYDN-TV	20000
12.545	R	ARANG	20000
12.545	R	ARANG	20000
●12.545	R	ARANG	20000
12.545	R	BRDGS	20000
12.545	R	BRDGS	20000
●12.545	R	BRDGS	20000
12.545	R	BRDGS	20000
12.545	R	BTV	20000
●12.545	R	BTV	20000
12.545	R	BTV	20000
12.545	R	BTV	20000
12.545	R	ECC	20000
12.545	R	ECC	20000
12.545	R	ECC	20000
12.545	R	FPCHN	20000
●12.545	R	FPCHN	20000
12.545	R	FPCHN	20000
12.545	R	PPV	20000
12.545	R	PPV	20000
12.545	R	PPV	20000
12.545	R	SPORT	20000
●12.545	R	SPORT	20000
12.545	R	SPORT	20000
12.545	R	INFO	20000
●12.545	R	INFO	20000
12.545	R	INFO	20000
●12.545	R	DPOP	20000
12.545	R	DPOP	20000
12.545	R	DPOP	20000
12.558	L	(Empty Name)	20000
12.574	R	ANGEL	20000
12.574	R	ANGEL	20000
12.574	R	ANGEL	20000
12.574	R	ANGEL	20000
12.574	R	ANGEL	20000
12.574	R	FAITH	20000
12.574	R	FAITH	20000
12.574	R	FAITH	20000
12.574	R	FAITH	20000
12.574	R	GUARD	20000
12.574	R	GUARD	20000
12.574	R	GUARD	20000
12.574	R	GUARD	20000
12.574	R	H&GTV	20000
12.574	R	H&GTV	20000
12.574	R	H&GTV	20000
12.574	R	H&GTV	20000
12.574	R	H&GTV	20000
12.574	R	LBN	20000
12.574	R	LBN	20000
12.574	R	LBN	20000
12.574	R	LBN	20000
12.574	R	SAFE	20000
12.574	R	SAFE	20000
12.574	R	SAFE	20000
12.574	R	SAFE	20000
12.574	R	TRNTY	20000
12.574	R	TRNTY	20000
12.574	R	TRNTY	20000
12.574	R	TRNTY	20000
12.574	R	TVU	20000
12.574	R	TVU	20000
12.574	R	TVU	20000
12.574	R	TVU	20000
12.574	R	WRSHP	20000
12.574	R	WRSHP	20000
12.574	R	WRSHP	20000
12.574	R	WRSHP	20000
12.574	R	ALLWP	20000
12.574	R	ALLWP	20000
12.574	R	ALLWP	20000
12.574	R	ALLWP	20000
12.574	R	CSN	20000
12.574	R	CSN	20000
12.574	R	CSN	20000
12.574	R	CSN	20000
12.574	R	GOSPL	20000
12.574	R	GOSPL	20000
12.574	R	GOSPL	20000
12.574	R	GOSPL	20000
12.574	R	MOODY	20000
12.574	R	MOODY	20000
12.574	R	MOODY	20000
12.574	R	MOODY	20000
12.574	R	TALK	20000
12.574	R	TALK	20000
12.574	R	TALK	20000
12.574	R	VOICE	20000
12.574	R	VOICE	20000
12.574	R	VOICE	20000
12.574	R	VOICE	20000
12.574	R	WAYFM	20000
12.574	R	WAYFM	20000
12.574	R	WAYFM	20000
12.574	R	WAYFM	20000
12.574	R	Z-73	20000
12.574	R	Z-73	20000
12.574	R	Z-73	20000
12.574	R	Z-73	20000
12.574	R	Z-73	20000
●12.603	R	ALARA	20000
12.603	R	ALARA	20000
12.603	R	ART	20000
●12.603	R	ART	20000
●12.603	R	ARTMV	20000
12.603	R	ARTMV	20000
●12.603	R	ATV	20000
12.603	R	ATV	20000
12.603	R	B4U	20000
●12.603	R	B4U	20000
●12.603	R	ISRLI	20000
12.603	R	ISRLI	20000
●12.603	R	MLODY	20000
12.603	R	MLODY	20000
●12.603	R	PHNIX	20000
12.603	R	PHNIX	20000
12.603	R	TV5	20000
●12.603	R	TV5	20000
12.603	R	VIDIT	20000
●12.603	R	VIDIT	20000
12.603	R	ZCINE	20000
●12.603	R	ZCINE	20000
●12.603	R	ZEETV	20000
12.603	R	ZEETV	20000
12.603	R	ARTMU	20000
12.603	R	ARTMU	20000
●12.603	R	ASIFM	20000
12.603	R	ASIFM	20000
12.603	R	RADIT	20000
●12.603	R	RADIT	20000
12.603	R	RFI	20000
12.603	R	RFI	20000
12.603	R	ZIKR	20000
●12.603	R	ZIKR	20000
12.618	L	Showtime HDTV East	20000
●12.632	R	FPCHN	20000
12.632	R	GEOTV	20000
12.632	R	GSN	20000
12.632	R	NBN	20000
12.632	R	PAEC	20000
12.632	R	PLSAT	20000
12.632	R	RTPI	20000
12.632	R	DNL	20000
12.632	R	DNL10	20000
12.632	R	DNL3	20000
12.632	R	DNL6	20000
12.632	R	DNL7	20000
12.632	R	DNL9	20000
12.632	R	SSD	20000
12.632	R	WB200	20000
12.632	R	WBSTR	20000
12.676	L	ANGL2	20000
●12.676	L	ANGL2	20000
12.676	L	ANGL2	20000
●12.676	L	CORNR	20000
12.676	L	CORNR	20000
12.676	L	CORNR	20000
12.676	L	EAGLE	20000
●12.676	L	FNC	20000
12.676	L	FNC	20000
12.676	L	FNC	20000
12.676	L	GMC	20000
12.676	L	HLMK	20000
12.676	L	HLMK	20000
12.676	L	HLMK	20000
●12.676	L	HMC	20000
12.676	L	HMC	20000
12.676	L	HMC	20000
12.676	L	KTV	20000
●12.676	L	KTV	20000
12.676	L	KTV	20000
12.676	L	SPRT	20000
12.676	L	SPRT	20000
●12.676	L	TLN	20000
12.676	L	TLN	20000
12.676	L	TLN	20000
●12.676	L	EAGLE	20000
12.676	L	EAGLE	20000
12.676	L	4KIDS	20000
●12.676	L	4KIDS	20000
12.676	L	4KIDS	20000
12.676	L	BOTT	20000
12.676	L	BOTT	20000
●12.676	L	BOTT	20000
12.676	L	CCM	20000
●12.676	L	CCM	20000
12.676	L	CCM	20000
12.676	L	LSTEN	20000
12.676	L	LSTEN	20000
●12.676	L	LSTEN	20000
12.676	L	NUEVA	20000
●12.676	L	NUEVA	20000
12.676	L	NUEVA	20000
●12.676	L	OASIS	20000
12.676	L	OASIS	20000
12.676	L	OASIS	20000
12.676	L	RADU	20000
●12.676	L	RADU	20000
12.676	L	RADU	20000
●12.676	L	SACRD	20000
12.676	L	SACRD	20000
12.676	L	SACRD	20000

AMAZONAS
299.0 East (61.0 West)

AMA001CB

Freq GHz	Pol	Channel Name	Symbol rate
3.980	H	EL TRECE	3330
4.133	H	TV Palavra	2400
4.138	H	TV CIDADE	3410

AMA001EU

Freq GHz	Pol	Channel Name	Symbol rate
12.563	V	Data service	27000

AMA001KB

Freq GHz	Pol	Channel Name	Symbol rate
11.055	H	Tadiran Scopus	30000
11.055	H	FLS Service	30000
11.055	H	RCS Map Service	30000
11.097	V	Cursa Prima 1	9090
11.097	V	Cursa Prima 2	9090
11.097	V	Cursa Prima 3	9090
11.097	V	Cursa Prima 4	9090
11.113	V	TV Bromelia	2310

AMA001KS

Freq GHz	Pol	Channel Name	Symbol rate
11.737	H	AE MUNDO	43200
11.737	H	Canal 13	43200
11.737	H	Canal 13 (Cable)	43200
11.737	H	Cartoon Network	43200
11.737	H	CDF	43200
11.737	H	CHV	43200
11.737	H	Cinemax	43200
11.737	H	Discovery Kids	43200
11.737	H	E! Entertainment	43200
11.737	H	ESPN	43200
11.737	H	Fox	43200
11.737	H	HBO	43200
11.737	H	HBO+	43200
11.737	H	LA RED	43200
11.737	H	MEGA	43200
11.737	H	TVN	43200
11.737	H	AE MUNDO	43200
11.737	H	Cinecanal 2	43200
11.737	H	CINEMAX	43200
11.737	H	Fox Sport Premium	43200
11.737	H	HBO OESTE	43200
11.737	H	HBO+	43200
11.737	H	MAX Prime	43200
11.737	H	Movie City	43200
11.972	V	JETTD-2 C2 QDA	27500
12.132	H	Discovery Health	30000
12.132	H	El Gourmet	30000
12.132	H	Eurochannel	30000
12.132	H	Fox Channel	30000
12.132	H	Grandes Documentales	30000
12.132	H	HIPICA	30000
12.132	H	History Channel	30000
12.132	H	I-Sat	30000
12.132	H	Jetix	30000
12.132	H	MTV	30000
12.132	H	National Geographic	30000
12.132	H	Nickelodeon	30000
12.132	H	People and Arts	30000
12.132	H	Retrochannel	30000
12.132	H	Space	30000
12.132	H	Travel and Living	30000
12.132	H	TVE	30000
12.132	H	Utilisima	30000
12.172	H	Animal Planet	30000
12.172	H	AXN	30000
12.172	H	Cartoon Network	30000
12.172	H	Cine Canal	30000
12.172	H	CNN en Espanol	30000
12.172	H	Discovery Channel	30000
12.172	H	Disney Channel	30000
12.172	H	E! Entertainment	30000
12.172	H	ESPN	30000
12.172	H	ESPN+	30000
12.172	H	Fox Sport	30000
12.172	H	Play Boy TV	30000
12.172	H	SONY	30000
12.172	H	The Film Zone	30000
12.172	H	TNT	30000
12.172	H	Universal	30000
12.172	H	Warner	30000

AMA001SN

Freq GHz	Pol	Channel Name	Symbol rate
12.092	H	AE MUNDO	30000
12.092	H	CANAL 13	30000
12.092	H	CANAL 13 CABLE	30000
12.092	H	CDF	30000
12.092	H	CHV	30000
12.092	H	Cinecanal 2	30000
12.092	H	CINEMAX	30000
12.092	H	DISCOVERY KIDS	30000
12.092	H	Fox Sport Premium	30000
12.092	H	HBO	30000
12.092	H	HBO OESTE	30000
12.092	H	HBO+	30000
12.092	H	LA RED	30000
12.092	H	MAX Prime	30000
12.092	H	MEGA	30000
12.092	H	Movie City	30000
12.092	H	TVN	30000

INTELSAT 9
302.0 East (58.0 West)

INT009CA

Freq GHz	Pol	Channel Name	Symbol rate
3.720	H	Canal 52	19510
3.720	V	Canal Fox (Andean)	27700
3.720	V	Canal Fox (Andean/AC	27700
3.720	V	Canal Fox (Brazil)	27700
3.720	V	Canal Fox (Brazil)	27700
3.720	V	Canal Fox (Brazil/AC	27700
3.720	V	Canal Fox (Central)	27700
3.720	V	Canal Fox (Central/A	27700
3.720	V	Canal Fox (East)	27700
3.720	V	Canal Fox (East/AC3)	27700
3.720	V	Canal Fox (West)	27700
3.720	V	Canal Fox (West/AC3)	27700
3.720	H	Cine Latino	19510
3.720	H	Exa TV	19510
3.720	V	Feeds (FOX ADHOC)	27700
3.720	V	FX (Brazil)	27700
3.720	V	FX Latin	27700
3.720	V	FX Latin (AC3)	27700
3.720	H	Hallmark Channel Mex	19510
3.720	H	MVS Empresarial	19510
3.720	H	MVS Empresarial	19510
3.720	V	National Geographic	27700
3.720	V	National Geographic	27700
3.720	V	National Geographic	27700
3.720	V	National Geographic	27700
3.720	V	National Geographi	27700
3.720	V	National Geographi	27700
3.720	V	Speed Latin America	27700
3.720	V	SPEED LATIN AMERI	27700
3.720	H	TV Guide	19510
3.720	H	USA America Latina	19510
3.720	V	USA Network (Latin)	27700
3.720	V	USA Network (Latin)	27700
3.720	V	OS Download	27700
3.760	H	CC ANIV	28500
3.760	H	Channel 30	28500
3.760	H	Cinecanal	28500
3.760	H	Cinecanal 2	28500
3.760	H	Cinecanal Este	28500
3.760	H	Cinecanal Oeste	28500
3.760	V	Cl@se Brasil	27684
3.760	V	Cl@se Brasil	27684
3.760	V	Cl@se Brasil	27684
3.760	V	FTV	27684
3.760	V	FTV Port	27684
3.760	V	FTV VZLA	27684
3.760	V	HTV	27684
3.760	V	HTV	27684
3.760	V	I-Sat	27684
3.760	V	Infinito Latina	27684
3.760	V	Infinito Por	27684
3.760	V	Infinito Sur	27684
3.760	V	Infinito USA	27684
3.760	V	Locomotion Latin	27684
3.760	V	Locomotion Latin	27684
3.760	V	Locomotion Latin	27684
3.760	V	Luna Vision 2	27684
3.760	H	Movie City Este	28500
3.760	H	Movie City Oeste	28500
3.760	V	Much Music	27684
3.760	V	MUCH VZLA	27684
3.760	V	PB Digital +	27684
3.760	V	PB Iberia	27684
3.760	V	PB Latino	27684
3.760	V	PB Latino Port	27684
3.760	V	Playboy Brasil 2	27684
3.760	V	Playboy Digital +	27684
3.760	V	Playboy Latino 2	27684
3.760	V	Playboy TV (Brasil M	27684
3.760	V	Playboy TV (Brasil)	27684
3.760	V	Playboy TV (Iberia)	27684
3.760	V	Playboy TV (Iberia)	27684
3.760	V	Playboy TV (Latin Am	27684
3.760	V	Playboy TV (Latin Am	27684
3.760	V	Retro	27684
3.760	V	Retro Port	27684
3.760	V	Space	27684
3.760	V	Test card	27684
3.760	H	The Film Zone Este	28500
3.760	H	The Film Zone Oeste	28500
3.760	V	Utilisima	27684
3.760	V	Utilisima Cue	27684
3.760	V	Venevision Continent	27684
3.760	V	Venus NTSC	27684
3.760	V	Venus Pal	27684
3.760	V	Venus Por	27684
3.760	H	CC ANIV	28500
3.760	H	CineCanal Classics p	28500
3.760	V	Prueba	27684
3.760	V	Utilisima Satelital	27684
3.760	H	CC CLASSICS	28500
3.760	H	CC2	28500
3.760	H	CCE ENC1P3 AC3	28500
3.760	H	CCP OS DOWNLOAD	28500
3.760	H	CCPAL ENC1P4 AC3	28500
3.760	H	CCW ENC1P2 AC3	28500
3.760	H	DCP OS DOWNLOAD	28500
3.760	H	Default	28500
3.760	H	MCE ENC1P6 AC3	28500
3.760	H	MCW ENC1P5 AC3	28500
3.760	H	MKT	28500
3.760	V	os downloader	27684
3.760	V	Spare	27684
3.760	V	Spare	27684
3.760	V	Spare	27684
3.760	H	TFZE ENC1P7 AC3	28500
3.760	H	TFZW	28500
3.760	H	TFZW ENC1P8	28500
3.786	H	Canal Caracol altern	4443
3.786	H	Canal Caracol Nacion	4443
3.800	V	(Regional Network/Oc	26470
3.800	V	(Regional Network/Oc	26470
3.800	V	(Regional Network/Oc	26470
3.800	V	ESPN 2	26470
3.800	V	ESPN Atlantic New	26470
3.800	V	ESPN Brazil	26470
3.800	V	ESPN feeds (Syndic	26470
3.800	V	ESPN Pacific Rim N	26470
3.800	H	Feeds	27680
3.800	H	Paris Premiere	27680
3.800	V	Syndication PAL	26470
3.800	V	Temp ESPN	26470
3.800	V	Temp ESPN2	26470
3.800	V	Temp-Atlantic	26470
3.800	V	Temp-Pac Rim	26470
3.800	V	Temp-Synd-NTSC	26470
3.800	H	Test Card	27680
3.800	H	Test Card	27680
3.800	H	Test Card	27680
3.800	V	Test enc-10	26470
3.800	H	Zee TV Africa	27680
3.800	V	Temp-Synd-Pal	26470
3.800	V	Test enc-9	26470
3.800	V	V-Net Radio	26470
3.800	V	CCP Download 2.40	26470
3.800	V	Download	26470
3.808	H	CRI Radio	3428
3.808	H	CRI Radio	3428
3.808	H	CRI Radio	3428
3.808	H	CRI Radio	3428
3.808	H	CRI Radio	3428
3.808	H	CRI Radio	3428
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3.808	H	CRI Radio	3428
3.808	H	CRI Radio	3428
3.808	H	CRI Radio	3428
3.808	H	CRI Radio	3428
3.808	H	CRI Radio	3428
3.808	H	Data Service	3428
3.808	H	Data Service	3428
3.808	H	Data Service	3428
3.808	H	Data Service	3428
3.808	H	Data Service	3428
3.815	H	Movida TV	3950
3.815	H	Onda TV	3950
3.840	H	BBC World (North A	27684
3.840	H	BBC World (South A	27684
3.840	H	Bloomberg TV (Asia-P	27684
3.840	H	Eurochannel	27690
3.840	H	German Television	27684
3.840	V	MGM Gold	27690
3.840	V	Telemundo Internacio	27690
3.840	H	Zee TV	27684
3.840	H	ADHOC 1	27684
3.840	V	Adhoc 2 - MM1P4	27690
3.840	V	CCP D9223 Decoder	27690
3.840	V	Cubavision	27690
3.840	V	DCP D9223 Decoder	27684
3.840	H	Deutsche Welle TV (A	27684
3.840	H	EWTN	27684
3.840	H	Feeds (ADHOC 2)	27684
3.840	V	Guatevision	27690
3.840	V	OPEN MM1P4	27690
3.840	H	Deutsche Welle - 1	27684
3.840	H	Deutsche Welle - 2	27684
3.840	H	Deutsche Welle - 7	27684
3.840	H	EWTN Radio	27684
3.840	H	EWTN Radio PAZ	27684
3.840	H	CCP R1 D9224 Decod	27684
3.840	H	DCP R3 D9224 Decod	27684
3.840	H	DCP R1 D9224 Decod	27684
3.840	H	DCP R3 D9224 Decod	27684
3.840	H	Upgrade D9850	27684
3.840	V	Vista-MultiThematique	27690
3.880	V	Animal Planet (Brasi	27684
3.880	V	Animal Planet (Brasi	27684
3.880	V	Bert	27684
3.880	V	Civilization (SPN)	27684
3.880	V	Civilization Eng/E	27684
3.880	V	Discovery Channel (B	27684
3.880	V	Discovery Channel (B	27684
3.880	V	Discovery Channel (I	27684
3.880	V	Discovery Channel (I	27684
3.880	V	Discovery Channel (I	27684
3.880	V	Discovery Channel (V	27684
3.880	V	Discovery Channel (V	27684
3.880	V	Discovery Channel (V	27684
3.880	V	Discovery Health (Br	27684
3.880	V	Discovery Health Bra	27684
3.880	V	Discovery Kids (Bras	27684
3.880	V	Discovery Kids (Bras	27684
3.880	V	Discovery Travel & A	27684
3.880	V	Discovery Travel & A	27684
3.880	V	Discovery Travel & A	27684
3.880	V	People & Arts (Brasi	27684
3.880	V	People & Arts (Brasi	27684
3.880	V	People & Arts (Iberi	27684
3.880	V	People & Arts (Iberi	27684
3.880	V	People & Arts (Iberi	27684
3.880	V	People and Arts (Mex	27684
3.880	V	People and Arts (Mex	27684
3.880	V	Science (POR)	27684
3.880	V	Science (POR) Digita	27684
3.880	V	Science (SPN) Cast	27684
3.880	V	Science English/En	27684
3.880	V	Turbo (POR)	27684
3.880	V	Turbo (POR) Digital	27684
3.880	V	Turbo (SPN) Cast/C	27684
3.880	V	Turbo English/Engl	27684
3.880	H	Adhoc Channel 7	27684
3.880	H	Arirang TV World 2	27684
3.880	H	CCP Copy of 6	27684
3.880	H	CCTV 3	27684
3.880	H	CCTV 4	27684
3.880	H	CCTV 9	27684
3.880	H	DCP copy of 6	27684
3.880	H	Feeds	27684
3.880	H	HSER Upgrade	27684
3.880	H	MM Channel	27684
3.880	H	Test Card	27684
3.880	H	YTN	27684
3.880	V	Decoder OS	27684
3.880	V	Sig 1 Channel 1	27684
3.911	V	Fox Sports Basico	13330
3.911	V	Fox Sports Basico	13330
3.911	V	FOX SPORTS CONO S	13330
3.911	V	Fox Sports Premium	13330
3.911	V	Fox Sports Premium	13330
3.924	V	Enlace Juvenil	6620
3.924	V	TBN Enlace	6620
3.924	V	TBN Enlace	6620
3.924	V	Enlace Radio	6620
3.924	V	SE RADIO	6620
3.933	V	3ABN	7000
3.933	V	3ABN	7000
3.933	V	3ABN Cue Tones	7000
3.933	V	3ABN Radio	7000
3.933	V	Radio 74	7000
3.933	V	WDQN	7000
4.000	H	BBC World	27690
4.000	H	BBC World (Latin A	27690
4.000	H	BBC World (Latin A	27690
4.000	H	German TV	27690
4.000	H	Paris Premiere	27690
4.000	H	Zee TV	27690
4.000	H	Deutsche Welle TV	27690
4.000	H	RTP Internacional	27690
4.000	H	Test Card	27690
4.000	H	Deutsche Welle 1	27690
4.000	H	Deutsche Welle 2	27690
4.000	H	Deutsche Welle 7	27690
4.000	H	RDP 1	27690
4.000	H	Renascenca Canal 1	27690
4.000	H	RTP	27690
4.080	H	Central Europe Emer	27684
4.080	H	Copy AsiaPac NTSC	27684
4.080	H	Hallmark Channel (Ar	27684
4.080	H	Hallmark Channel (Br	27684
4.080	H	Hallmark Channel (Is	27684
4.080	H	Hallmark Channel (La	27684
4.080	H	Hallmark Channel (Me	27684
4.080	H	Hallmark Channel (Ru	27684
4.080	H	Hallmark Channel (Sc	27684
4.080	H	Hallmark Channel (Sc	27684
4.080	H	Hallmark Channel (UK	27684
4.080	V	MTV	27690
4.080	V	MTV	27690
4.080	V	MTV (South)	27690
4.080	V	MTV Central	27690
4.080	V	MTV Central (Andean)	27690
4.080	V	MTV Central (Caribe	27690
4.080	V	MTV Central (Chile)	27690
4.080	V	MTV Central (Colombi	27690
4.080	V	MTV Central (Venezue	27690
4.080	V	MTV North (Mexico)	27690
4.080	V	Nickelodeon (Andean)	27690
4.080	V	Nickelodeon (Argenti	27690
4.080	V	Nickelodeon (Brasil)	27690
4.080	V	Nickelodeon (Caribbe	27690
4.080	V	Nickelodeon (Central	27690
4.080	V	Nickelodeon (Chile)	27690
4.080	V	Nickelodeon (Colombi	27690
4.080	V	Nickelodeon (Venezue	27690
4.080	H	Primary Argentina 2P	27684
4.080	H	Primary Brazil Encod	27684
4.080	H	PrimaryLatAmPanReg	27684
4.080	H	Test Asia	27684
4.080	V	VH1	27690
4.080	V	VH1	27690
4.080	V	VH1 Latino	27690
4.080	H	Download Channel 1 S	27684
4.080	H	Download Channel 2 S	27684
4.107	H	1 Nacional	6620
4.107	H	2 Internacional	6620
4.107	H	3 Servicios	6620
4.107	H	Data service	6620
4.107	H	Data service	6620
4.120	V	Al Arabiyah	27500
4.120	V	Al Jazeera	27500
4.120	V	Al Jazeera	27500
4.120	V	ART Australia	27500
4.120	V	Art Global America	27500
4.120	V	ART Latino	27500
4.120	V	Art Movies America	27500
4.120	V	Iqraa Channel	27500
4.120	V	Kuwait TV	27500
4.120	V	LBC America	27500
4.120	V	LBC Australia	27500
4.120	V	Leonardo World	27500
4.120	V	MBC Europe	27500
4.120	V	NBN	27500
4.120	V	RAI International	27500
4.120	V	Video Italia	27500
4.120	V	NourSat	27500
4.120	V	Radio Italia Anni 60	27500
4.120	V	Radio2 Moro	27500
4.120	V	RAI Radio (Australia	27500
4.120	V	Antenna 1 97.1 FM	27500
4.120	V	Art Al Dobir Chann	27500
4.120	V	Art Music Channel	27500
4.120	V	RAI International	27500
4.120	V	RAI International	27500
4.120	V	dsd	27500
4.123	H	CTNI	2222
4.137	H	Bethel TV	3273
4.137	H	Family Christian Net	3675
4.137	H	FCN	2941
4.137	H	FCN	2941
4.137	H	FCN	3675
4.143	V	Feeds	2205
4.147	V	Feeds	2941
4.157	H	Feeds (Sersat)	6500
4.160	V	La Cadena del Milagr	3000

INT009KC

Freq GHz	Pol	Channel Name	Symbol rate
11.477	H	DDI	26470
11.477	H	Aastha Ch 2	26470
11.477	H	Channel 5	26470
11.477	H	P9 1K - Adhoc Channe	26470
11.477	H	P9 1K - Adhoc Channe	26470
11.531	H	BT5	6620
11.531	H	BT5	6620
11.531	H	Channel 2	6620
11.531	H	Metromux-SA4	6620
11.531	H	NAPSA4	6620
11.531	H	Signal 4	6620
11.542	H	ENG SCRAMBLED	5632
11.542	H	SPA SCRAMBLED	5632
11.542	H	BAR VS GET	5632
11.542	H	ENG CLEAR	5632
11.542	H	Feeds (SCOPUS-NET	6111
11.556	H	Feeds (ALFACOM	4444
11.556	H	Feeds (GIM VS A.MA	27500
11.557	H	Feeds	3680
11.567	H	Feeds (SIS 19 CODE	13333
●11.612	H	DSNG SERVICE 1	3670
11.623	H	AZTECA AMERIC	6022
11.630	H	Feeds (Channel 2)	6618

C-Band: INTELSAT 805
304.5 East (55.5 West)

INT805HB

Freq GHz	Pol	Channel Name	Symbol rate
3.452	H	EDUCON-1	4444
3.452	H	EDUCON-2	4444
3.467	V	FSC JAMAICA	4340
3.523	H	?	30000
3.576	V	Feed - MONDO SA E	5632
3.590	V	?	8825
3.667	H	EDUCON - LAPA	3300
3.667	H	EDUCON - LAPA	3300
3.671	H	CO	1374
3.671	H	KB	1374
3.671	H	LL	1374
3.671	H	LM	1374
3.671	H	NT	1374
3.671	H	RP	1374
3.671	H	ST	1374
3.671	H	Grupo RPP	2170
3.674	H	FUS Enc 1	2083
●3.677	H	Perú Mágico	4232
3.677	H	Visión 20	4232
3.677	H	ZAZ	4232
3.677	H	ENC 9	4232
3.677	H	LURIN-6F2	4232
3.685	V	Feeds (NBA SA ENC	5632
3.697	V	?	3600
3.716	H	Ch 1- TVI/Abiertos	8890
3.716	H	Ch 2 - Cables Interi	8890
3.716	H	OS Download	8890
3.716	H	Telefe Internacional	8890
3.716	H	Canal Ocasional	8890
3.716	H	Ch 3 - AM-FM Cont	8890
3.716	H	Ch 4 - FM St. Contin	8890
3.723	H	CANAL UNO	3000
3.727	H	CANAL 1 INTERNACI	4000
3.737	H	Service 1	1809
3.751	V	APTN3 +442074827430	5632
3.767	H	Latin America	4427
3.779	V	?	5632
3.816	H	?	26667
3.816	H	Channel 01	26667
3.816	H	Channel 02	26667
3.816	H	Channel 03	26667
3.816	H	Channel 04	26667
3.816	H	Channel 05	26667
3.816	H	Channel 06	26667
3.816	H	Channel 07	26667
3.816	H	Channel 08	26667
3.816	H	Channel 09	26667
3.816	H	Channel 10	26667
3.816	H	Channel 11	26667
3.816	H	Channel 12	26667
3.816	H	Channel 13	26667
3.816	H	Channel 14	26667
3.816	H	Channel 15	26667
3.816	H	Channel 16	26667
3.816	H	Channel 17	26667
3.816	H	Channel 18	26667
3.833	H	MININO-NET-TECH	3330
3.849	H	FOX SPORTS ENC#1	20000
3.849	H	FOX SPORTS ENC#2	20000
3.849	H	FOX SPORTS ENC#3	20000
3.912	V	TV VAT AM	1808
3.932	V	TV CAPIXABA	3254
3.935	H	Panamericana TV	4445
3.935	H	SCOPUS-NET-TECH	4445
3.935	H	RPP	4445
3.940	H	Red Global	2829
3.940	V	TV Canção Nova Inter	2815
3.940	H	Radio 1160 noticias	2829
4.000	V	El Garage TV	7400
4.000	V	El Garage TV	4777
4.000	V	Telemidia 1	5200
4.000	V	Telemidia 1	5200
4.000	V	Telemidia 1	5200
4.000	V	Telemidia 2	5200
4.000	V	Telemidia 2	5200
4.020	V	Radio Nandutí	3300
4.008	V	MININO-NET-TECH	3330
4.008	V	?	3330
4.020	V	Formar	3000
4.020	V	Formar	3000
4.020	V	Formar	3000
4.020	V	FORM	3000
4.020	V	FORMAR	3000
4.056	V	?	21703
4.086	H	CANAL 3 GUATEMALA	10315
4.086	H	Feed Guatemala	10315
4.086	H	TELE-ONCE	10315
4.086	H	TELEVISIETE	10315
4.086	H	TRECEVISION	10315
4.086	H	RADIO ALFA	10315
4.086	H	RADIO FIESTA	10315
4.086	H	RADIO GALAXIA	10315
4.086	H	RADIO RANCHERA	10315
4.086	H	RADIO SONORA	10315
4.086	H	RADIO TROPICALIDA	10315
4.111	H	telesistema	3333
4.111	H	telesistema y radios	3333
4.111	H	telesistema y radios	3333
4.119	V	?	1627
4.127	V	?	2000
4.135	H	GI UPGD S/W	6111
4.135	H	GLOBO INTERNACION	6111
4.135	H	GLOBO INTERNATION	6111
4.135	H	EDUCON - LAPA	6111
4.135	H	GLOBO INTERNATION	6111
●4.140	V	AUDIO TEST	4700
4.140	V	Default Service	4700
4.140	V	FRECUENCIA LATINA	4700
4.158	H	PERU TV AQP	1446
4.190	H	SCOPUS-NET-TECH	4444

INTELSAT 707
307.0 East (53.0 West)

INT707CA

Freq GHz	Pol	Channel Name	Symbol rate
4.135	L	Alef Network	4300

INT707EH

Freq GHz	Pol	Channel Name	Symbol rate
3.831	R	ORTB	2711
3.856	R	AFRICABLE	3906

INT707KA

Freq GHz	Pol	Channel Name	Symbol rate
11.875	V	TV Senado	2344
11.891	V	Entel Mux	19510

INT707WH

Freq GHz	Pol	Channel Name	Symbol rate
3.820	R	Sports Max	3255

C-Band: INTELSAT 705
310.0 East (50.0 West)

INT705CG

Freq GHz	Pol	Channel Name	Symbol rate
4.126	L	RCTV Venezuela	6113
4.126	L	Radio Caracas	6113
4.126	L	Radio Caracas	6113
4.126	L	Radio Caracas	6113

INT705EH

Freq GHz	Pol	Channel Name	Symbol rate
3.878	R	Service 1	4340
3.898	R	AIT ABUJA	3256

INT705WH

Freq GHz	Pol	Channel Name	Symbol rate
3.878	R	Vidavision	2893
3.887	R	Red Television	3617

INTELSAT 1R
315.0 East (45.0 West)

INT01RAH

Freq GHz	Pol	Channel Name	Symbol rate
11.790	V	TV Huascaran	10000
11.790	V	Data service	10000
11.807	H	TV Pan	4777
11.807	H	TV Mulher & Mãe	4777
11.808	V	Canal 51 CMT	4444

INT01REH

Freq GHz	Pol	Channel Name	Symbol rate
11.496	V	NetBySat	7590
●11.510	H	CCTV 4	26694
●11.510	H	CCTV E&F	26694

C-Band: INTELSAT 1R
315.1 East (44.9 West)

INT01REA

Freq GHz	Pol	Channel Name	Symbol rate
3.825	H	Deus e amor Infocard	2075
3.825	H	Deus e amor Radio	2075
3.825	H	Deus e amor Radio	2075
3.825	H	Deus e amor Radio	2075
3.825	H	Deus e amor Radio	2075
3.825	H	Deus e amor Radio	2075
3.825	H	Deus e amor Radio	2075
3.825	H	Deus e amor Radio	2075
3.940	H	Data service	14280

INT01RUV

Freq GHz	Pol	Channel Name	Symbol rate
3.742	V	Aldeia FM	4445
3.742	V	TV Aldeia	4445
3.760	V	Telefutura (left aud	2941
3.764	V	Canal 5 El Lider	4963
3.764	V	Televcadena 7 y 4	4963
3.773	V	Canal 45 Teleradio A	3000
3.773	V	Hola Gente TV	3000
3.781	V	Telecentro	3750
3.869	H	Gamavision	3515
3.869	H	GAMAVISION ECUADO	3515
3.910	V	CMC TELEVISION	4410
4.040	V	CTC-Mundo	4347
4.071	V	UCV TV	2615
4.096	H	Education A Distanci	8102
4.096	H	Radio Nacional del P	8102
4.103	V	Televicentro	14450
4.106	V	Tu Universo Televisi	14450
4.106	V	WKAQ-TV	14450
4.106	V	WLII-TV	14450
4.192	H	Deus e Amor	2075

INTELSAT 3R,6B
317.0 East (43.0 West)

INT03RAM

Freq GHz	Pol	Channel Name	Symbol rate
3.719	V	Fox Sports feeds (ch	19849
3.719	V	Fox Sports feeds (ch	19849
3.719	V	Fox Sports feeds (ch	19849
3.719	V	Fox Sports feeds (Os	19849
3.744	V	Canal Fox	21259
3.744	V	CC Aniversario	21259
3.744	V	Cinecanal (East)	21259
3.744	V	Cinecanal (West)	21259
3.744	V	Cinecanal (East)	21259
3.744	V	Movie City (West)	21259
3.744	V	MKT Channel	21259
3.744	V	MKT Channel	21259
3.744	V	CCP Download	21259
3.785	H	Boomerang (Brazil)	30800
3.785	H	Boomerang (Latin Ame	30800
3.785	H	Boomerang (Latin Ame	30800
3.785	H	Boomerang (Latin Ame	30800
3.785	H	Cartoon Network (Bra	30800
3.785	H	Cartoon Network (Bra	30800
3.785	H	Cartoon Network (Bra	30800
3.785	H	Cartoon Network (Lat	30800
3.785	H	Cartoon Network (Lat	30800
3.785	H	Cartoon Network (Lat	30800
3.785	H	Cartoon Network (Lat	30800
3.785	H	Cartoon Network (Lat	30800
3.785	H	TCM (Latin America)	30800
3.785	H	TCM LA	30800
3.785	H	TCM LA	30800
3.785	H	TEN Confidence Feed	30800
3.785	H	TNT (Brazil)	30800
3.785	H	TNT (Brazil)	30800
3.785	H	TNT (Chile)	30800
3.785	H	TNT (Chile)	30800
3.785	H	TNT (Latin America	30800
3.785	H	TNT (Latin America	30800
3.785	H	TNT (Latin America	30800
3.785	H	TNT (Latin America	30800
3.785	H	Toon-Tina	30800
3.785	H	Toon-Tina	30800
3.785	H	Toon-Tina	30800
3.785	H	Toon-Tina (left audi	30800
3.785	H	Toon-Tina (right aud	30800
3.785	H	CCP download channel	30800
3.785	H	DCP download Channel	30800
3.840	V	Fashion TV (Latin Am	27684
3.840	V	Fashion TV (Latin Am	27684
3.840	V	I-sat	27684
3.840	V	Infinito	27684
3.840	V	Infinito	27684
3.840	V	MuchMusic	27684
3.840	V	Retro	27684
3.840	V	Retro	27684
3.840	V	Space	27684
3.840	V	Utilisima Satelital	27684
3.840	V	Utilisima Satelital	27684
3.840	V	Venus	27684
3.840	V	Venus	27684
3.840	V	Venus Latino	27684
3.840	V	Venus Latino	27684
3.840	V	LunaVision	27684
3.840	V	PRUEBA	27684
3.840	V	UTILISIMA CUE	27684
3.846	H	Test card	30800
3.846	H	Bloomberg TV Brasil	30800
3.846	H	Feeds (Adhoc)	30800
3.846	H	Open VC#2	30800
3.846	H	Test card	30800
3.846	H	TYC Sports - MM#2	30800
3.846	H	BBC Radio Service	30800
3.846	H	CCP Upgrade	30800
3.846	H	DCP Upgrade	30800
3.846	H	PreVue Data	30800
3.846	H	Test channel	30800
3.856	V	Boomerang (Brazil)	30800
3.856	V	Boomerang (Latin Ame	30800
3.856	V	TCM (Latin America)	30800
3.856	V	TCM (Latin America)	30800
3.856	V	TNT (Brazil)	30800
3.856	V	TNT (Chile)	30800
3.856	V	TNT (Chile)	30800
3.856	V	TNT (Latin America)	30800
3.856	V	TNT (Latin America)	30800
3.856	V	TNT (Latin America)	30800
3.856	V	TNT (Mexico)	30800
3.856	V	Toon-Tina	30800
3.856	V	Toon-Tina	30800
3.856	V	Toon-Tina	30800
3.856	V	Toon-Tina (Brazil)	30800
3.856	V	Toon-Tina (Latin Ame	30800
3.856	V	Toon-Tina (Latin Ame	30800
3.856	V	Toon-Tina (Mexico)	30800
3.856	V	Toon-Tina (Mexico)	30800
3.856	V	Test card	30800
3.856	V	CCP Download	30800
3.856	V	DCP Download	30800
3.868	V	Feeds (Adhoc)	6620
3.872	H	Panamsat test card	2815
3.872	H	CCP Upgrade	6620
3.872	H	Channel 101 alternat	6620
3.872	H	DCP Upgrade	6620
3.887	H	Televisa Feed	5715
3.889	H	Protele	7812
3.891	V	Feeds	6111
3.901	V	Feeds	6620
3.906	V	TV Azteca	13239
3.910	V	Globecast feeds	5632
3.930	V	Feeds (OTI#1)	25000
3.937	H	Feeds (TELEVISA F	3906
3.944	H	Feeds (Service 1)	5710
3.946	V	Feeds (Service 2)	2592
3.959	V	TV 5 Amerique Latine	6500
3.968	H	De Pelicula	21090
3.968	H	De Pelicula	21090
3.968	H	Estrellas	21090
3.968	H	Estrellas	21090
3.968	H	Ritmoson	21090
3.968	H	Ritmoson	21090
3.968	H	Telehit	21090
3.968	H	Telehit	21090
3.968	H	Telenovelas	21090
3.968	H	Telenovelas	21090
3.968	H	Data service	21090
3.971	H	Henc3p1 dig Port	13800
3.971	H	Henc3p1 Port	13800
3.971	H	Henc3p1 Sp	13800
3.971	H	Henc3p2 dig Port	13800
3.971	H	Henc3p2 dig Sp	13800
3.971	H	Henc3p2 Port	13800
3.971	H	Henc3p2 Sp	13800
3.971	H	Henc3p3 dig Port	13800
3.971	H	Henc3p3 dig Sp	13800
3.971	H	Henc3p3 Port	13800
3.971	H	Henc3p3 Sp	13800
3.971	H	Henc3p4 dig Port	13800
3.971	H	Henc3p4 dig Sp	13800
3.971	H	Henc3p4 Port	13800
3.971	H	Henc3p4 Sp	13800
3.971	H	Henc3p5 dig Port	13800
3.971	H	Henc3p5 dig Sp	13800
3.971	H	Henc3p5 Port	13800
3.971	H	Henc3p5 Sp	13800
3.971	H	Henc3p6 dig Port	13800
3.971	H	Henc3p6 dig Sp	13800
3.971	H	Henc3p6 Port	13800
3.971	H	Henc3p6 Sp	13800
3.971	H	Henc3p7 dig Port	13800
3.971	H	Henc3p7 dig Sp	13800
3.971	H	Henc3p7 Port	13800
3.971	H	Henc3p7 Sp	13800
3.971	H	Henc3p8 dig Port	13800
3.971	H	Henc3p8 dig Sp	13800
3.971	H	Henc3p8 Port	13800
3.971	H	Henc3p8 Sp	13800
3.971	H	Henc3p9 dig Port	13800
3.971	H	Henc3p9 dig Sp	13800
3.971	H	Henc3p9 Port	13800
3.971	H	Henc3p9 Sp	13800
3.988	V	Bloomberg (Latin Ame	4070
3.988	V	BLOOMBERG ASIA	4070
3.988	V	BLOOMBERG LATIN A	4070
3.988	V	NHK MONITOR RETUR	4070
3.988	V	NY TO ATL ADHOC 1	4070
3.988	V	NY TO ATL ADHOC 2	4070
3.988	V	NY TO ATL ADHOC 3	4070
3.996	H	Animal Planet	21090
3.996	H	Animal Planet	21090
3.996	H	Discovery Channel (A	21090
3.996	H	Discovery Channel (A	21090
3.996	H	Discovery Channel (L	21090
3.996	H	Discovery Channel (M	21090
3.996	H	Discovery Channel (M	21090
3.996	H	Discovery Health (La	21090
3.996	H	Discovery Kids (Lati	21090
3.996	H	Discovery Kids (Lati	21090
3.996	H	People and Arts (Arg	21090
3.996	H	People and Arts (Arg	21090
3.996	H	People and Arts (Lat	21090
3.996	H	People and Arts (Lat	21090
3.996	H	Data channel	21090
3.996	H	PAS3 (Signal 2 and 3	21090
3.996	H	Adtec	21090
4.003	V	TV Azteca	6620
4.041	H	CNN en Espanol	30800
4.041	H	CNN en Espanol (Mexi	30800
4.041	H	CNN International	30800
4.041	H	CNN Mexico	30800
4.041	H	CNN Newsource	30800
4.041	H	CNN Spanish Radio	30800
4.041	H	CNNe Espanol	30800
4.041	H	CNNe Brazil	30800
4.041	H	CNNfn/CNN Headline	30800
4.041	H	CNNI Latin America	30800
4.041	H	HLN Asia	30800
4.041	H	International News S	30800
4.041	H	SAG Path 1	30800
4.041	H	SAG Path 2	30800
4.041	H	CNN en Espanol (Braz	30800
4.041	H	CNN Radio	30800
4.041	H	DEFAULT	30800
4.106	V	(Regional Network/Oc	26470
4.106	V	(Regional Network/Oc	26470
4.106	V	(Regional Network/Oc	26470
4.106	V	ESPN	26470
4.106	V	ESPN (Atlantic)	26470
4.106	V	ESPN (Brazil)	26470
4.106	V	ESPN (Latin A)	26470
4.106	V	ESPN (Latin B)	26470
4.106	V	ESPN (Pac Rim)	26470
4.106	V	ESPN 2	26470
4.106	V	ESPN feeds (Syndic	26470
4.106	V	Syndication NTSC	26470
4.106	V	Temp ESPN	26470
4.106	V	Temp ESPN2	26470
4.106	V	Temp-Atlantic	26470
4.106	V	Temp-Pac Rim	26470
4.106	V	Temp-Synd-NTSC	26470
4.106	V	Temp-Synd-Pal	26470
4.106	V	Test enc-10	26470
4.106	V	Test enc-9	26470
4.106	V	V-Net Radio	26470
4.106	V	CCP Download 2.40	26470
4.106	V	Download	26470
4.151	H	Artear Virtual 1	24570
4.151	H	Artear Virtual 2	24570
4.151	H	Artear Virtual 3	24570
4.151	H	Canal 10 Roca	24570
4.151	H	Canal 13	24570
4.151	H	Magazine	24570
4.151	H	Todo Noticias	24570
4.151	H	TyC Inter. NTSC	24570
4.151	H	TyC Inter. PAL	24570
4.151	H	TyC Max	24570
4.151	H	TyC Sports	24570
4.151	H	TyC Virtual	24570
4.151	H	Volver	24570
4.151	H	Fm 100	24570
4.151	H	Radio Mitre	24570

INT03REU

Freq GHz	Pol	Channel Name	Symbol rate
12.568	H	Aapna Desi	2170
●12.584	V	Clasico TV	27500
12.584	V	De Pelicula	27500
12.584	V	Galavision	27500
12.584	V	Promocion	27500
12.584	V	Ritmoson	27500
12.584	V	Telehit	27500
12.584	V	Telenovelas	27500
12.607	V	Tvsa Int Europa	6250
12.618	V	XEW-TV-2	1560
12.651	H	Fox News	30800
12.651	H	Fox sports	30800
12.651	H	ADHOC 22	30800
12.651	H	ADHOC 24	30800
12.651	H	El Sembrador	30800
12.651	H	EWTN 1	30800
12.651	H	EWTN 2	30800
12.659	V	Buzz	28665
12.659	V	Cinematk	28665
12.659	V	CineStar	28665
12.659	V	Dark	28665
12.659	V	Kitz	28665
12.659	V	MGM	28665
12.659	V	Natura	28665
12.659	V	Pacha	28665
12.659	V	Somos	28665
12.659	V	Xtreme	28665
●12.659	V	THE AUTISM CH	28665
12.715	V	Peru TV	6355

INT06BBR

Freq GHz	Pol	Channel Name	Symbol rate
10.722	H	Artear Virtual 1	30000
10.722	H	Artear Virtual 2	30000
10.722	H	Artear Virtual 3	30000
10.722	H	Canal 10 Roca	30000
10.722	H	Canal 13	30000
10.722	H	EPTV	30000
10.722	H	ESPN Brazil	30000
10.722	H	Magazine	30000
10.722	H	Pacote UFC	30000
10.722	H	RBS TV	30000
10.722	H	Rede Globo	30000
10.722	H	Sky Premiere	30000
10.722	H	TC Classic	30000
10.722	H	The Weather Channel	30000
10.722	H	Todo Noticias	30000
10.722	H	TV Bahia	30000
10.722	H	TV Escola	30000
10.722	H	TV Vanguarda	30000
10.722	H	TyC Inter. NTSC	30000
10.722	H	TyC Inter. PAL	30000
10.722	H	TyC Max	30000
10.722	H	TyC Sports	30000
10.722	H	TyC Virtual	30000
10.722	H	Volver	30000
10.722	H	Globo AM	30000
10.722	H	Radio France Interna	30000
10.722	H	Radio Mitre	30000
10.722	H	8ZODL	30000
10.722	H	885	30000
10.722	H	Data service	30000
10.722	H	Data service	30000
10.722	H	Data service	30000
10.722	H	Data service	30000
10.722	H	Esoterico	30000
10.722	H	GalerYKS	30000
10.722	H	IFUTEBOL	30000
10.722	H	ITV GAMES	30000
10.722	H	ITV Loterias	30000
10.722	H	MOSAICO ITV	30000
10.722	H	MOSAICO ITV	30000
10.722	H	SKY	30000
10.722	H	SKY	30000
10.722	H	SKY	30000
10.722	H	SKY	30000
10.722	H	SKY	30000
10.722	H	SKY	30000
10.722	H	SKY Store	30000
10.802	V	Futura	30000
10.802	V	Globo News	30000
10.802	V	Globo RJ	30000
10.802	V	GNT	30000
10.802	V	Multishow	30000
10.802	V	Shoptime	30000
10.802	V	SKY	30000
10.802	V	Sky Premiere	30000
10.802	V	Sky Premiere	30000
10.802	V	SportTV	30000
10.802	V	Telecine Happy	30000
10.802	V	Telecine Premium	30000
10.802	V	TV Senado	30000
10.802	V	USA Network	30000
10.802	V	Sky Premiere	30000
10.802	V	Sky Premiere	30000
10.802	V	Anos 60	30000
10.802	V	Axe	30000
10.802	V	Baladas Romanticas	30000
10.802	V	Blues	30000
10.802	V	Bossa Nova	30000
10.802	V	Country	30000
10.802	V	Disco	30000
10.802	V	Globo FM	30000
10.802	V	Grandes Intérpretes	30000
10.802	V	Heavy Metal	30000
10.802	V	Jazz Classico	30000
10.802	V	Rhythm & Blues	30000
10.802	V	Rock	30000
10.802	V	Samba e Pagode	30000
10.802	V	Sucessos	30000
10.802	V	Trilhas Sonoras	30000
10.802	V	Data service	30000
10.802	V	Data Service	30000
10.802	V	iTV:Esportes	30000
10.802	V	MOSAICO	30000
10.802	V	MOSAICO 1	30000
10.802	V	MOSAICO ESPECIAL	30000
10.882	H	Boomerang	30000
10.882	H	Canal Brasil	30000
10.882	H	Canal Rural	30000
10.882	H	Central Nacional de	30000
10.882	H	Globo SP	30000
10.882	H	MTV Brasil	30000
10.882	H	National Geographic	30000
10.882	H	Rede STV	30000

The Full Chart with the most up-to-date channel data is available exclusively for TELE-satellite readers from SatcoDX's CD "World of Satellites"
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Freq GHz	Pol	Channel Name	Symbol rate
10.882	H	Rede Vida	30000
10.882	V	Sexy Hot	30000
10.882	H	Telecine Action	30000
10.882	H	Telecine Emotion	30000
10.882	V	TV Camara	30000
10.882	V	TV Escola	30000
10.882	H	TV Justica	30000
10.882	V	TV Senado	30000
10.882	V	Anos 70	30000
10.882	V	BBC World Service	30000
10.882	V	Gospel	30000
10.882	V	Hip Hop	30000
10.882	H	Jovem Pan 2 FM	30000
10.882	V	Jovem Pan AM	30000
10.882	H	Jovem Pan AM	30000
10.882	V	MPB	30000
10.882	H	Radio Clube do Para	30000
10.882	H	Radio Gaucha	30000
10.882	V	Rave	30000
10.882	V	Reggae	30000
10.882	V	Rock Classico	30000
10.882	V	Sertanejo	30000
10.882	V	Voice of America	30000
10.882	V	Data service	30000
10.882	H	Data service	30000
10.882	H	MOSAICO	30000
10.882	V	MOSAICO 2	30000
10.882	V	MOSAICO 3	30000
10.882	V	MOSAICO 4	30000
10.882	V	YKS	30000

C-Band: NSS 806
319.5 East (40.5 West)

NSS806CH

Freq GHz	Pol	Channel Name	Symbol rate
3.600	R	Canaan TV	25180
3.641	R	CMB TV	2665
3.644	L	NAZARE	2534
3.646	R	BODY CHANNEL	4444
3.646	R	HUMOR CHANNEL	4444
3.653	L	HBO	3040
3.654	R	TV ASA BRANCA	5924
3.660	L	America Television	4350
3.663	R	TV	2170
● 3.663	R	TV	2170
3.674	L	EXECUTIVO	8800
3.674	L	EXECUTIVO	8800
3.674	L	NOVOTEMPO	8800
3.674	L	NOVOTEMPO	8800
3.674	L	NUEVOTIEMPO	8800
3.674	L	NUEVOTIEMPO	8800
3.676	R	TELECARIB	3010
3.676	R	TV-PRENSA	3010
3.684	R	TELEGRACIA	2220
3.685	L	default program	6500
3.688	R	K MUSIC	4444
3.688	R	TV CENTRO	4444
3.709	L	UTILISIMA	3000
3.721	L	Baby TV	19995
3.721	L	FOX Life Brazil	19995
3.721	L	FOX Life Latin	19995
3.721	L	FX Brazil	19995
3.721	L	FX Latin	19995
3.721	L	Sci Fi Latin	19995
3.721	L	Utilisima Satelital	19995
● 3.725	R	A 24	26667
3.725	R	A 24	26667
● 3.725	R	A.Sports	26667
3.725	R	A.Sports	26667
3.725	R	America Int	26667
● 3.725	R	America Int	26667
3.725	R	America Rep	26667
● 3.725	R	America Rep	26667
3.725	R	America2	26667
● 3.725	R	America2	26667
3.725	R	Canal 9	26667
● 3.725	R	Canal 9	26667
● 3.725	R	El Garage TV	26667
3.725	R	El Garage TV	26667
3.725	R	Europa	26667
● 3.725	R	Europa	26667
● 3.725	R	Eventos	26667
3.725	R	Eventos	26667
3.725	R	Feed 1	26667
3.740	L	FOX NEWS LATIN	6670
3.740	L	UNIVERSAL ARGENTI	6670
3.758	R	Canal (a)	26667
3.758	R	Cosmo NTSC	26667
3.758	R	Cosmo Pal	26667
3.758	R	ElGarage TV	26667
3.758	R	ElGourmet NTSC	26667
3.758	R	ElGourmet PAL	26667
3.758	L	ESPN +	20000
3.758	L	ESPN INet	20000
3.758	L	ESPN Inet South	20000
3.758	R	Europa-Europa	26667
3.758	R	Film&Arts Por	26667
3.758	R	Film&Arts Spa	26667
3.758	R	Reality TV	26667
3.758	R	Rock & Pop	26667
3.758	L	Virtual Channel 2	20000
3.758	L	Virtual Channel 4	20000
3.758	R	Feed I	26667
3.774	L	Argentinisima	6670
● 3.774	L	Argentinisima	6670
● 3.774	L	La Red	6670
● 3.774	L	Libre	6670
● 3.774	L	Libre	6670
● 3.774	L	Libre	6670
● 3.774	L	Radio Del Plata	6670
● 3.774	L	Sist. Nac. Medios Pu	6670
● 3.774	L	Test	6670
3.803	R	AdHoc	26855
● 3.803	R	AdHoc 03 NFL	26855
3.803	R	CASACLUB	26855
3.803	R	CASACLUB	26855
3.803	R	CL@SE	26855
3.803	R	GOL TV	26855
3.803	R	MGM	26855
3.803	L	SIC TV	27500
3.803	L	WSG 1	27500
3.803	L	WSG 2	27500
3.803	L	WSG 3	27500
3.803	L	WSG 4	27500
3.803	R	AdHoc 02	26855
3.803	R	Daystar	26855
3.803	L	E! Foxtel / Sky NZ	27500
3.803	L	ERT	27500
3.803	R	Golf Channel	26855
3.803	R	Inspiration	26855
● 3.803	R	Maharishi University	26855
3.803	L	RFI Espanol-Fran	27500
3.803	L	RFI Espanol-Mus	27500
3.803	L	RFI Francais	27500
3.803	L	RFI La Paz	27500
3.803	L	RFI Langues-Div	27500
3.803	L	RFI Langues1	27500
3.803	L	RFI Langues2	27500
3.803	L	RFI Music	27500
3.803	L	RFI Portugues-Fran	27500
3.803	L	RFI Portugues-Mus	27500
3.803	L	Russia Today	27500
3.803	L	SUN FM	27500
3.803	R	CCP Download	26855
3.803	R	D9225 Download	26855
3.803	R	DCP Download	26855
3.803	R	Met Opera	26855
3.803	L	RFI Afrique	27500
3.803	L	RFI Antilles	27500
3.803	L	RFI Bogota	27500
3.803	L	RFI Canada	27500
3.803	L	RFI Cuenca	27500
3.803	L	RFI Direct Brazil	27500
3.803	L	RFI Direct Latin	27500
3.803	L	RFI Jamaique	27500
3.803	L	RFI Langues3	27500
3.803	L	RFI Langues4	27500
3.803	L	RFI RMC	27500
3.803	L	RFI St Domingue	27500
3.803	L	RFI Test	27500
3.803	L	Voice of Croatia	27500
3.803	L	EUMETSAT	27500
3.803	L	FILEAS Amerique	27500
3.803	L	LOREAL Amerique	27500
3.803	L	PMI NSS File	27500
3.803	L	PMI NSS streaming	27500
● 3.855	L	FOX NEWS LATIN	5900
● 3.855	L	UNIVERSAL ARGENTI	5900
3.855	L	Via X	5900
3.855	L	Z	5900
3.859	L	TELEVIDA INTL-	2600
● 3.859	L	TELEVIDA INTL-	2600
3.861	R	COLOMBEIA	2711
3.861	R	SCOPUS-NET-TECH	2711
3.879	R	Meridiano TV	22115
3.879	R	Venevision Venezuela	22115
3.879	R	CANAL DE NOTICIAS	22115
3.879	R	DAILY JOURNAL	22115
3.879	R	Programacion Globovi	22115
3.879	R	Programacion VTV	22115
● 3.879	R	Pruebas INH	22115
3.879	R	PUMA TV	22115
3.879	R	Vision Venezuela V	22115
3.879	R	Circuito CNB FM 10	22115
3.879	R	Circuito Triple F	22115
● 3.879	R	CNB Deportes	22115
3.879	R	CVC VOZ CRISTIANA	22115
● 3.879	R	Download Upgrade	22115
3.879	R	Radio Nacional	22115
3.879	R	Radio Planeta 105.3	22115
3.879	R	Radio Rumbera Caraca	22115
3.894	R	TV A COLOR CANAL	2000
3.899	R	INH La Rinconada	4195
3.899	R	INH VALENCIA	4195
3.923	L	FORMAN	27500
3.923	L	GLOBOSAT 12 ENC2P	27500
3.923	L	GLOBOSAT 13 ENC2P	27500
3.923	L	MULTIJOGOS	27500
3.923	L	PFCI	27500
3.923	L	TVGI EUROPA	27500
3.923	L	GLOBOSAT 17 ENC2P	27500
● 3.965	L		3330
3.965	R	COSMOVISION	2170
3.965	L	SER-SAT	3330
3.972	L	Cadeia-1	3330
● 3.972	L	Cadeia-1	3330
3.978	L	TV BRASIL	3979
3.982	L	CANAL ADULTO	2222

Freq GHz	Pol	Channel Name	Symbol rate
● 3.982	L	CANAL 26	2222
3.986	L	INTERNACIONAL	3180
3.986	L	Radio AM	3180
3.986	L	RADIO AM	3180
3.991	L	San Isidro feeds (Sa	3578
3.997	L	Telepacifico	2450
4.002	L	TELE CAFE	2450
● 4.002	L	TELECAFE	2450
4.005	L	SCOPUS-NET-TECH	2450
● 4.009	L	TELEANTIOQUIA COL	2450
4.009	L	TELEANTIOQUIA COL	2450
4.016	R	RCN TV	5712
● 4.021	L	C. CONGRESO	16025
4.021	L	C. CONGRESO	16025
4.021	L	CANAL 1	16025
● 4.021	L	CANAL 1	16025
4.021	L	CANAL CAPITAL	16025
● 4.021	L	CANAL CAPITAL	16025
● 4.021	L	CANAL INSTITUCION	16025
4.021	L	CANAL INSTITUCION	16025
● 4.021	L	CANAL OCASIONAL	16025
4.021	L	CANAL OCASIONAL	16025
● 4.021	L	SENAL COLOMBIA	16025
4.021	L	SENAL COLOMBIA	16025
● 4.021	L	TV. ANDINA	16025
4.021	L	TV. ANDINA	16025
4.022	R	TV Colombia	3800
4.022	R	City TV	3800
4.038	R	SUN CHANNEL	2480
4.043	L	EbS Europe By Satell	8681
4.043	L	EbS Europe By Satell	8681
4.043	L	EU Test	8681
4.043	L	EU Test	8681
4.044	R	Canal Noticias	2604
● 4.054	L	Casa Club TV	7234
● 4.054	L	MGM Latin America	7234
4.054	L	Casa TV	7234
● 4.063	R	Hipodromo Maronas	8500
4.063	R	Hipodromo Maronas	8500
4.063	R	VTV	8500
● 4.063	R	VTV	8500
● 4.063	R	VTV sin preolimpico	8500
● 4.065	L	FOX Life Brazil	8400
4.065	L	FOX TV	8400
● 4.065	L	FX Brazil	8400
● 4.065	L	SciFi Brazil.	8400
4.081	R	Bloomberg	6511
4.090	R	ContacTV APURE	2515
4.090	R	ContacTV CRISTIAN	2515
4.100	R	Televen Cable	6111
4.100	R	default program	6111
4.100	R	Transmision Internac	6111
● 4.100	R	{Empty}	6111
4.100	R	{Empty}	6111
4.108	R	Service 1	3280
● 4.119	R	Telesur.	2960
4.123	L	Casablanca	3500
● 4.140	R	ENCODER	2220
4.142	L	JBN	2222
4.143	R	CCP D/L	4800
4.143	R	DCP D/L	4800
4.143	R	DEFAULT	4800
4.143	R	TV Marti	4800
4.143	R	TV Marti	4800
4.143	R	TV Marti	4800
4.143	R	TV Marti	4800
4.146	L	Tele Amiga	2571
● 4.163	L	HBC CH 1	7200
● 4.163	L	HBC CH 2	7200
● 4.163	L	HBC CH 3	7200
● 4.163	L	RBTI	7200
● 4.163	L	N Mensag	7200
● 4.168	L	Canal SP	2400
4.170	L	ADULTO 2	2222
● 4.185	L	Educable	6140
● 4.185	L	Global Life.	6140
● 4.185	L	Kamasutra.	6140
● 4.185	L	Rumba TV	6140
● 4.185	L	Tele Nostalgia	6140
● 4.185	L	TV Agro	6140
● 4.185	L	TV Hogar	6140
4.185	L	FIZ	6140
● 4.185	L	Test 1	6140
● 4.185	L	Test 1	6140
● 4.185	L	Test 2	6140

NSS 10
322.6 East (37.4 West)

NSS010CN

Freq GHz	Pol	Channel Name	Symbol rate
3.868	V	Alter Globe	6666
3.868	V	Mega Cosmos	6666
3.868	V	Sky TG 24	6666
3.868	V	Radio Greece	6666

NSS010HA

Freq GHz	Pol	Channel Name	Symbol rate
3.805	H	{Empty}	2143

INTELSAT 903
325.5 East (34.5 West)

INT903KA

Freq GHz	Pol	Channel Name	Symbol rate
11.095	V	Canal Satellite Cara	30000
11.500	V	Canal Satellite Cara	30000
11.560	V	Canal Satellite Cara	30000
11.600	V	Canal Satellite Cara	30000
11.640	V	Canal Satellite Cara	30000

INT903NE

Freq GHz	Pol	Channel Name	Symbol rate
3.711	L	Tele Greenland fee	2915
3.715	L	KNR TV	2915
3.878	L	ARTE/ France 5	16300
3.878	L	Channels TV	16300
3.878	L	NTA2	16300
3.878	L	Ray Power	16300
3.878	L	Rythm FM	16300
3.878	L	Star FM	16300
4.178	R	Data Services	32553

INT903ZE

Freq GHz	Pol	Channel Name	Symbol rate
3.743	R	RTI premiere	3220

INTELSAT 801
328.5 East (31.5 West)

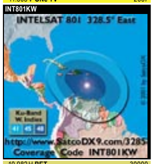
INT801EH

Freq GHz	Pol	Channel Name	Symbol rate
3.645	R	ORTM	5750
3.645	R	RADIO MALI	5750
3.718	R	RTS1	4881
3.718	R	RTS1	4881

INT801EU

Freq GHz	Pol	Channel Name	Symbol rate
11.493	V	galaxia	6666
11.505	V	ONe TV	2667

INT801KW



Freq GHz	Pol	Channel Name	Symbol rate
10.982	H	BET	30000
10.982	H	CNN Latin America	30000
10.982	H	ESPN Latin America	30000
10.982	H	Eurosport France	30000
10.982	H	Fox Sports Latin Ame	30000
11.060	H	Canal + Antilles&Guy	30000
11.060	H	Canal + Bleu	30000
11.060	H	Euqidia	30000
11.060	H	Euronews	30000
11.060	H	Eurosport France	30000
11.060	H	France O	30000
11.060	H	ITV	30000
11.060	H	L'Equipe TV / Moto	30000
11.060	H	LCI - La Chaine In	30000
11.060	H	M6	30000
11.060	H	RFO Tele Guyane	30000
11.060	H	RFO Tempo	30000
11.060	H	Sport+	30000
11.060	H	Teva	30000
11.060	H	TF1	30000
11.060	H	TV 5 FBS	30000
11.060	H	Europe 1	30000
11.060	H	Hector	30000
11.060	H	Paris Jazz	30000
11.060	H	Radio Caribe Interna	30000
11.060	H	RFM	30000
11.060	H	France Info	30000
11.060	H	RFI	30000
11.482	H	Canal Satellite	30000
11.618	H	13'eme Rue	30000
11.618	H	Action	30000
11.618	H	Canal J	30000
11.618	H	Cinecinemas 1	30000
11.618	H	Cinecinemas 2	30000
11.618	H	Comedie	30000
11.618	H	Fox Kids France	30000
11.618	H	MCM Europe	30000
11.618	H	Planete	30000
11.618	H	RFM TV	30000
11.618	H	RTL 9	30000
11.618	H	TCM France	30000
11.618	H	TF 1	30000
11.618	H	TF 6	30000
11.618	H	The Disney Channel	30000
11.618	H	TV Breizh	30000
11.618	H	Voyage	30000
11.618	H	XXL	30000

HISPASAT 1C,1D
330.0 East (30.0 West)

HIS01CKA

Freq GHz	Pol	Channel Name	Symbol rate
11.884	V	C+ CINE 1	27500
11.884	V	C+ CINE 1	27500
11.884	V	C+ CINE 2	27500
11.884	V	C+ CINE 2	27500
11.884	V	C+ CINE 3	27500
11.884	V	C+ CINE 3	27500
11.884	V	DISNEY CH.+1	27500
11.884	V	DOCUMANÍA	27500
11.884	V	INTERECON TV	27500
11.884	V	JETIX	27500
11.884	V	MTV	27500
11.884	V	PLAYHOUSE	27500
11.884	V	TOON DISNEY	27500
11.884	V	Tiendas	27500
11.884	V	MANT	27500
11.884	V	TELF	27500
11.934	V	TeleCaribe Columbia	2962
11.956	H	TV Canal 6	2222
11.958	H	Canal Luz Satelital	2348
11.962	H	Canal 11 Argentina	3030
12.052	V	Canal 24 Horas	27500
12.052	V	Euronews	27500
12.052	V	Grandes Documentales	27500
12.052	V	Nostalgia	27500
12.052	V	TVE Internacional Am	27500
12.052	V	ATEI	27500
12.052	V	ETB America	27500
12.052	V	Test card	27500
12.052	V	TV Cataluna Internac	27500
12.052	V	TV Galicia	27500
12.052	V	Cataluna Cultura	27500
12.052	V	Cataluña Radio	27500
12.052	V	Esukadi Irratia	27500
12.052	V	Radio Euskadi	27500
12.052	V	Radio Gallega	27500
12.052	V	RNE Radio 1	27500
12.052	V	RNE Radio 3	27500
12.052	V	RNE Radio 5 Todo N	27500
12.052	V	RNE Radio Clasica	27500
12.052	V	RNE Radio Exterior	27500
12.052	V	SAR 7 (RNE auxilia	27500
12.052	V	SAR 8 (RNE auxilia	27500
12.052	V	SAR 9 (RNE auxilia	27500
12.052	V	C24Data	27500
12.052	V	EDC	27500
12.052	V	TVEData	27500
12.132	H	Abu Dhabi TV	27500
12.132	H	Al Manar TV	27500
12.132	H	Al-Iraqiya	27500
12.132	H	Bahrain TV	27500
12.132	H	Jamahirya TV	27500
12.132	H	Oman TV	27500
12.132	H	Qatar TV	27500
12.132	H	Saudi TV1	27500
12.132	H	Sharjah TV	27500
12.132	H	Sudan TV	27500
12.132	H	Syrian TV	27500
12.132	H	TV5 ASIE	27500
12.132	H	Yemen TV	27500
12.132	H	Aden Radio	27500
12.132	H	Al Nour Radio	27500
12.132	H	Emirates FM	27500
12.132	H	Main General Program	27500
12.132	H	Oman Radio	27500
12.132	H	Program One	27500
12.132	H	Qatar Radio	27500
12.132	H	Radio Omduman Holy K	27500
12.132	H	Radio Quran	27500
12.132	H	RFI actualité intern	27500
12.132	H	RFI Asian languages	27500
12.132	H	République Of Iraq Rad	27500
12.132	H	Sana'a radio	27500
12.132	H	Sharjah FM	27500
12.132	H	Sudan Radio	27500
12.132	H	Voice Of People	27500
12.132	H	Voice of Youth	27500
12.156	V	Canal 6	2222
12.159	V	Canal Luz Satelital	2348
12.162	V	Canal 11	3030
12.169	V	Sersat mux	5240
12.172	H	Globecast mux	27500
12.175	V	Super Land	4500
12.175	V	Super Show	4500

HIS01CKS

Freq GHz	Pol	Channel Name	Symbol rate
11.731	V	C.ESTRELLAS	27500
11.731	H	CANAL 4	28120
11.731	H	Disney Channel	28120
11.731	H	Fox	28120
● 11.731	H	FOX CRIME	28120
11.731	H	Fox Life	28120
● 11.731	H	FX PORTUGAL	28120
11.731	H	LOCALIA	28120
● 11.731	V	MEZZO	27500
● 11.731	V	TCM MODERNO	27500
● 11.731	V	TELEFE INT	27500
● 11.731	V	TESTB	27500
11.731	H	XARXA TVL	28120
11.731	H	41_OCS-2	28120
11.731	H	ATLAS NEWS	28120
11.731	H	CANAL 50	28120
11.731	H	Canal Latino TV	28120
● 11.731	V	F. del PILAR	27500
11.731	H	Gigashopping	28120
● 11.731	V	IBERDROLA	27500
● 11.731	V	PORTADA	27500
● 11.731	V	PORTADA	27500
● 11.731	V	R. LATINAS	27500
● 11.731	V	R. LATINAS	27500
● 11.731	V	RADIOS	27500
● 11.731	V	{Empty}	27500
● 11.731	V	{Empty}	27500
● 11.731	V	R. Latinas	27500
11.731	H	Asturias FM	28120
11.731	H	BCN 7 BROADCAST	28120
● 11.731	H	Guía Radio	27500
● 11.731	H	Intereconomia	28120
● 11.731	H	Intereconomia	28120
11.731	H	LOCA FM	28120
11.731	H	PUNTO RADIO	28120
11.731	H	Radio CLM	28120
11.731	H	ROCK-GOL	28120
● 11.731	V	Camp. Rugby	27500
11.731	H	Datos XARXA	28120
● 11.731	V	F. del Pilar	27500
● 11.731	V	IPLUS	27500
11.731	H	Servicios IP	28120
11.731	H	TEST	28120
11.771	H	BBC Prime	27500
11.771	V	BLOOMBERG	27500
11.771	V	CALLE 13	27500
11.771	H	Canal de História	27500
11.771	V	CAZA Y PESCA	27500
11.771	V	COSMOPOLITAN	27500
11.771	H	Infinito	27500
11.771	V	LA 2	27500
11.771	H	MCM	27500
11.771	H	Mezzo	27500
11.771	V	MÉTEO	27500
11.771	V	MÉTEO	27500
11.771	V	PARAMOUNT C	27500
11.771	V	PEOPLE+ARTS	27500
● 11.771	H	PFC	27500
● 11.771	V	RMTV	27500
11.771	H	SKY News	27500
11.771	V	TAQUILLA 9	27500
11.771	V	TCM MODERNO	27500
● 11.771	V	TEST TC	27500
11.771	H	The Biography Channe	27500
● 11.771	H	TV Globo Portugal	27500
11.771	H	VH1 Classic	27500
11.771	V	VIAJAR	27500
11.771	V	VIAJAR	27500
11.771	H	Vídeo-on-Demand	27500
11.771	H	Vídeo-on-Demand	27500
11.771	H	Vídeo-on-Demand	27500
11.771	H	Vídeo-on-Demand	27500
11.771	H	XXL	27500
11.771	V	Playin'TV	27500
● 11.771	V	FERIA PILAR	27500
11.771	V	VH1	27500
11.811	H	Acolhimento	27500
11.811	V	C.ESTRELLAS	30000
11.811	H	Canal Panda	27500
11.811	V	CMN. CLÁSICO	30000
11.811	V	CNN+	30000
11.811	V	CNN+	30000
11.811	H	RTP 1	27500
11.811	H	RTP 2	27500
● 11.811	H	RTPN	27500
11.811	H	RTPN	27500
11.811	H	SIC	27500
● 11.811	H	SIC Noticias	27500
11.811	H	SIC Noticias	27500
11.811	H	SIC Radical	27500
● 11.811	H	SIC Radical	27500
11.811	V	TCM CLÁSICO	30000
11.811	H	TVI	27500
11.811	V	ANDALUCÍA TV	30000
11.811	V	EUSKADI TV	30000
11.811	V	IBERDROLA	30000
11.811	V	IBERDROLA	30000
11.811	V	INFOBOLSA	30000
11.811	H	Millennium TV	27500
11.811	V	MÚSICA DIG.	30000
11.811	V	R. LATINAS	30000
11.811	V	RADIOS	30000
11.811	V	TIENDAS	30000
11.811	V	TIENDAS	30000
11.811	V	TMSAT/LAOTRA	30000
11.811	V	TV GALICIA	30000
11.811	V	TVC INT.	30000
11.811	H	Venus	27500
11.811	H	Viver/Íntimo	27500
11.811	H	Vídeo-on-Demand	27500
11.811	H	Vídeo-on-Demand	27500
11.811	H	Vídeo-on-Demand	27500
11.811	H	Vídeo-on-Demand	27500
11.811	H	XXL	27500
11.811	V	Canciones de siempre	30000
11.811	V	Clasica	30000
11.811	V	Copla	30000
11.811	V	Fiestas	30000
11.811	V	Jazz	30000
11.811	V	Novedades	30000
11.811	V	Opera	30000
11.811	V	Pop rock espa	30000
11.811	V	Pop rock inter	30000
11.811	V	R. Latinas	30000
11.811	V	Guía Radio	30000
11.811	H	01 03 01 09	27500
11.811	H	01 20 01 25	27500
11.811	H	01 33 01 11	27500
11.811	H	DCI012CAB	27500
11.811	H	DSI012CAB	27500
11.811	H	DSMCC - IPPV	27500
11.811	H	DSMCC - MultiAppli	27500
11.811	H	HUMAX DOWNLOAD SV	27500
11.811	H	HUMAX DOWNLOAD SV	27500
11.811	H	HUMAX DOWNLOAD SV	27500
11.811	H	HUMAX DOWNLOAD SV	27500
11.811	V	Música Dig.	30000
11.851	V	40 TV	27500
11.851	V	CANAL+	27500
11.851	V	CANAL+ 2	27500
11.851	H	CNN	27500
11.851	V	DISCOVERY	27500
11.851	H	Discovery Channel	27500
11.851	H	DISNEY CH.	27500
11.851	V	DOCU TVE	27500
11.851	H	Eurosport	27500
11.851	H	Fashion TV	27500
11.851	H	Hollywood	27500
11.851	H	Lusomundo Action	27500
11.851	H	Lusomundo Gallery	27500
11.851	H	Lusomundo Premium	27500
11.851	H	M6	27500
11.851	H	MTV	27500
11.851	H	Odisseia	27500
11.851	H	Playboy TV	27500
11.851	H	Sport TV 1	27500
11.851	V	SPORTMANÍA	27500
11.851	V	TELEDEPORTE	27500
11.851	H	Futebol MC 1	27500
11.851	H	Futebol MC 2	27500
11.851	H	Futebol MC 3	27500
11.851	H	Futebol MC 4	27500
11.851	H	Sport TV 2	27500
11.851	V	{Empty}	27500
11.851	V	{Empty}	27500
11.851	V	{Empty}	27500
11.851	V	{Empty}	27500
11.851	V	{Empty}	27500
11.851	V	APPALCO	27500
11.851	V	MEZZO	27500
● 11.851	V	PORTADA	27500
● 11.851	V	PORTADA	27500
11.891	H	Arte	27500
11.891	V	C+ ACCIÓN	30000
11.891	V	C+ ACCIÓN	30000
11.891	V	C+ COMEDIA	30000
11.891	V	C+ COMEDIA	30000
11.891	V	C+ DCINE	30000
11.891	V	C+ DCINE	30000
11.891	V	CANAL ODISEA	30000
11.891	H	CNBC	27500
11.891	V	DISNEY CH.+1	30000
11.891	H	Eurosport News	27500
11.891	V	INTERECON TV	30000
11.891	V	JETIX	30000
11.891	H	Lusomundo Gallery +	27500
11.891	H	Lusomundo Happy	27500
11.891	H	Lusomundo Premium +	27500
● 11.891	H	Millennium TV	27500
11.891	V	MTV	30000
11.891	V	PLAYHOUSE	30000
11.891	H	Rai Uno	27500
11.891	H	RTL	27500
11.891	H	RTP Madeira	27500
● 11.891	H	RTP Memória	27500
11.891	H	RTP Memória	27500
11.891	V	TOON DISNEY	30000
11.891	H	TV Galicia	27500
11.891	H	TV5Monde	27500
11.891	H	TVE Internacional	27500
11.891	H	BBC World	27500
11.891	H	Canal Programação	27500
11.891	V	Guia digital+	30000
11.891	V	Promociones	30000
11.891	V	Tiendas	30000
11.891	V	Amigos+	30000
11.891	V	MANT	30000
● 11.891	V	TAQUILLA	30000
11.891	V	TELF	30000
11.931	H	CANAL CLASICO	27500
11.931	H	Clan/50	27500
11.931	H	GRANDES DOCUMENTA	27500
11.931	H	LDTV	27500
11.931	H	TELEDEPORT	27500
● 11.931	H	AIERTA	27500
11.931	H	Cetelmon TV	27500
11.931	H	CIBERNOS	27500
11.931	H	FEEDS TSA	27500
11.931	H	MAX LOCAL	27500
11.931	H	RTPA Internacional	27500
11.931	H	SENADO	27500
11.931	H	TELETREBOL	27500
11.931	H	ST-HILO 1	27500
11.931	H	ST-HILO 2	27500
11.931	H	ST-HILO 3	27500
11.931	H	City FM	27500
11.931	H	COVIRAN	27500
11.931	H	EMUGA RADIOFUSION	27500
11.931	H	INTERECONOMIA	27500
11.931	H	RADIO MARIA	27500
11.932	V	BARÇA TV	27500
11.932	V	C+ EVENTOS	27500
11.932	V	C+ EVENTOS	27500
11.932	V	TAQUILLA 5	27500
11.932	V	TAQUILLA 6	27500
11.932	V	TAQUILLA 7	27500
11.932	V	TAQUILLA 8	27500
11.932	V	TAQUILLAX	27500
11.932	V	TAQUILLAXX	27500
11.932	V	TAQUILLAXX	27500
11.932	V	IBerdrola	27500
11.932	V	Nuevo Cadyf	27500
11.932	V	PERSO	27500
11.932	V	PUBLIACTIVA	27500
11.932	V	TAQUILLA 9	27500
11.972	V	God TV	27500
11.972	V	Cadena Milagro	27500
11.972	V	Canal AD	27500
11.972	V	Feed TSA3	27500
11.972	V	God TV	27500
11.972	V	Living in Spain TV	27500
11.972	V	Popular TV	27500
● 11.972	V	Redlight GOLD	27500
11.972	V	TV Aragon	27500
11.972	V	TV Record	27500
11.972	V	Radio Aragon	27500
12.012	V	AXN	27500
12.012	V	Cartoon	27500
12.012	V	Euronews	27500
12.012	V	Extreme Sports Chann	27500
12.012	V	N. Geographic	27500
12.012	V	Parlamento/Gigashopp	27500
12.012	V	People + Arts	27500
12.012	V	RTP África	27500
12.012	V	SIC Mulher	27500
● 12.012	V	SIC Mulher	27500
12.012	V	Sport TV 2	27500
12.012	V	TV Record	27500
12.012	V	Venus	27500
12.012	V	BBC World	27500
12.012	V	BBC World	27500
12.012	V	Canal de História	27500
12.012	V	Canal Panda	27500
12.012	V	Canal Programação	27500
12.012	V	France 24	27500
12.012	V	TV Globo Internacion	27500
● 12.012	V	VH1	27500
12.012	V	SCM WC Download	27500
● 12.092	V	AXN	27500
12.092	V	AL JAZEERA INTL	27500
12.092	V	Antena Erotica	27500
12.092	V	Canal Erotico gratis	27500
● 12.092	V	Canal Turismo	27500
12.092	V	CNBC Europe	27500
12.092	V	CUBAVISION	27500
12.092	V	EURONEWS	27500
12.092	V	Gelo TV	27500
● 12.092	V	OCC	27500
12.092	V	RMTV	27500
12.092	V	TAROT TV	27500
12.092	V	TBN ENLACE	27500
● 12.092	V	TSF EUROPE	27500
12.092	V	TV Sensual	27500
12.092	V	TV5MONDE EUROPE	27500
12.092	V	TVE INT.	27500
12.092	V	VIC TV	27500
12.092	V	WAU TV	27500
● 12.092	V	Radio Marca	27500
● 12.092	V	Antena 1	27500
● 12.092	V	Antena 1 Azores	27500
● 12.092	V	Antena 1 Coimbra	27500
● 12.092	V	Antena 1 Faro	27500
● 12.092	V	Antena 1 Madeira	27500
● 12.092	V	Antena 1 Porto	27500
● 12.092	V	Antena 2	27500
● 12.092	V	Antena 3	27500
● 12.092	V	RDP Africa	27500
● 12.092	V	RDP Internacional	27500
12.094	H	Canal 1 Internaciona	6820
12.094	H	Ecua TV	6820
12.094	H	Telecuador	6820
12.094	H	TV Colombia	6820
12.100	H	Ecuavisa	3000
● 12.100	H	ECUAVISA INT	3000

HIS01DKA

Freq GHz	Pol	Channel Name	Symbol rate
11.795	V	FLS Servie	13600
11.795	V	RCS Map Service	13600
11.806	V	Santur TV	3410
11.915	V	ManaSat 1	3800
11.915	V	ManaSat 2	3800
11.929	V	Rede TV Sul	2962

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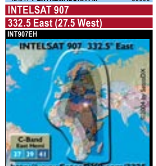
Freq GHz	Pol	Channel Name	Symbol rate
11.508	V	81_OCS1	9547
11.508	V	AGENCIA EFE (Net	9547
11.508	V	SGTV	9547
11.508	V	81_OCS2	9547
11.508	V	Mundo-Radio	9547
11.508	V	COM RADIO (Apagado	9547
11.508	V	COM RADIO (Encendi	9547
11.535	V	BIOGRAPHY	24500
11.535	V	COCINA	24500
11.535	V	decasa	24500
11.535	V	HISTORIA	24500
11.535	V	HISTORIACAST	24500
11.535	V	HOLLYWOOD	24500
11.535	V	HOLLYWOOD ESP	24500
11.535	V	HOLLYWOOD PORT	24500
11.535	V	ODI. HIS.CUE	24500
11.535	V	ODISEA	24500
11.535	V	ODISEACAST	24500
11.535	V	PANDA	24500
11.535	V	SOL ESP	24500
● 11.535	V	TEST	24500
11.535	V	SOL MONO ESP	24500
11.574	V	Al Jazeera English	27500
11.574	V	Discovery Civilizati	27500
11.574	V	Discovery Science	27500
11.574	V	Discovery Turbo	27500
11.574	V	MTV 2	27500
11.574	V	MTV Base	27500
11.574	V	MTV Music	27500
11.574	V	Nickelodeon	27500
● 11.574	V	Parlamento/Gigashopp	27500
11.574	V	Porto Canal	27500
11.574	V	TCM	27500
11.574	V	Sport TV 2	27500
11.574	V	Sport TV 2	27500
11.574	V	VH1	27500
11.574	V	Antena 1	27500
11.574	V	Antena 2	27500
11.574	V	Antena 3	27500
11.574	V	Best Rock FM	27500
11.574	V	Cidade FM	27500
11.574	V	Marginal	27500
11.574	V	Oxigénio	27500
11.574	V	Radar	27500
11.574	V	RDP África	27500
11.574	V	Rádio Capital	27500
11.574	V	Rádio Clube	27500
11.574	V	Rádio Comercial	27500
11.574	V	Rádio Europa Lisboa	27500
11.574	V	Rádio Portugal	27500
11.574	V	test107	27500
11.574	V	test108	27500
11.574	V	test115	27500
11.615	H	AXN	27500
11.615	H	RETELSAT	27500
11.615	H	ARAIT	27500
● 11.615	H	ATLAS NEWS	27500
11.615	H	Cadena Local	27500
11.615	H	Contacta_M	27500
● 11.615	H	Gigashopping	27500
11.615	H	La Tele Local	27500
11.615	H	Tele Local 2	27500
11.615	H	TELELINEA	27500
11.615	H	TestPBox	27500
11.615	H	Tu Tele Local	27500
11.615	H	TV SAT	27500
● 11.615	H	VITTV	27500
11.615	H	VNEWS	27500
11.615	H	ANTENA 2	27500
11.615	H	EXITO RADIO	27500
11.615	H	RTP Test	27500
11.615	H	ANTENA 1	27500
11.617	V	Baby TV	27500
11.617	V	Bloomberg	27500
11.617	V	ESPN Classic	27500
11.617	V	Futebol MC 1	27500
11.617	V	Futebol MC 2	27500
11.617	V	Futebol MC 3	27500
11.617	V	Futebol MC 4	27500
11.617	V	RTP Açores	27500
11.617	V	Sailing Channel	27500
11.617	V	Travel Channel	27500
11.617	V	Zone Reality	27500
11.617	V	Channel - 10	27500
11.617	V	Channel - 11	27500
11.617	V	Funtastic Life Exper	27500
11.617	V	RTPN	27500
11.617	V	TVC-TESTE	27500
11.675	H	A3 AVERIA CANARIA	16187
11.675	H	A3 CANARIAS	16187
11.675	H	Pruebas1	16187
11.675	H	TVAC	16187
11.675	H	TVAC INS-REG HIER	16187
11.675	H	TVAC RESET DAMA	16187
11.675	H	TVE1-CANARIAS	16187
11.675	H	TVE2-CANARIAS	16187
11.675	H	MM MUX CHANNEL 5	16187
11.675	H	AUDIO MMX	16187
11.675	H	RADIO ECCA	16187
11.675	H	RESERVA R1 CANARI	16187
11.675	H	RESERVA R5 LAS PA	16187
11.675	H	RESERVA R5 TENERI	16187
11.682	V	Mana Sat 2	3800
11.682	V	Mana Sat 1	3800
11.771	H	Infinito	27500
11.980	H	Feeds	4500
12.003	H	Data service	14000
12.003	H	Data service	14000
12.149	V	TVE-1 CEUTA	27500
12.149	V	TVE-2 CEUTA	27500
12.149	V	89-OCS-2	27500
● 12.149	V	89-OCS-OVERON	27500
12.149	V	89_OCS-1	27500
12.149	V	C33	27500
12.149	V	Canal Parlamentario	27500
12.149	V	CNC	27500
12.149	V	TDT 2.0	27500
12.149	V	UNE	27500
12.149	V	89	27500
12.149	V	EMA RADIO	27500
12.149	V	RADIO HIT BILBAO	27500
12.149	V	RADIO NERVION	27500
12.149	V	RADIO QUINTANA	27500
12.149	V	RADIO SPECTRUM	27500
12.226	V	AXN	27500
12.226	V	C+ ACCIÓN 30	27500
12.226	V	C+COMEDIA 30	27500
12.226	V	CANAL COCINA	27500
12.226	V	CARACOL TV	27500
12.226	V	DCINEESPAÑOL	27500
12.226	V	ECUAVISA INT	27500
12.226	V	FOX	27500
12.226	V	SCI FI	27500
12.226	V	TVE 1	27500
12.226	V	PLAYIN'TV	27500
12.226	V	TVV INT.	27500
12.226	V	Contactanos	27500
12.226	V	Paquetes	27500
12.226	V	Recibo	27500
12.226	V	Tu mando	27500
12.303	V	BOOMERANG	27500
12.303	V	CARTOON NET.	27500
12.303	V	NICK	27500
12.303	V	TAQUILLA 1	27500
12.303	V	TAQUILLA 2	27500
12.303	V	TAQUILLA 3	27500
12.303	V	TAQUILLA 4	27500
12.303	V	TAQUILLAXY	27500
12.303	V	{Empty}	27500
12.303	V	TAQUILLA 10	27500
12.380	V	40 LATINO	27500
12.380	V	40 LATINO	27500
12.380	V	C+ DEPORTES	27500
12.380	V	C+ DEPORTES	27500
12.380	V	C+ FÚTBOL	27500
12.380	V	C+ FÚTBOL	27500
12.380	V	CANAL+...30	27500
12.380	V	FOX NEWS	27500
12.380	V	GOLF+	27500
12.380	V	NAT GEOGRAPH	27500
12.380	V	PLAYBOY TV	27500
12.380	V	CompraSMS	27500
● 12.380	V	02010053	27500
● 12.380	V	02020053	27500
12.380	V	02030046	27500
● 12.380	V	02040053	27500
12.380	V	EDC	27500
12.380	V	TEST	27500
12.380	V	TEST2	27500
12.456	V	24 HORAS	30000
12.456	V	24 HORAS	30000
12.456	V	CLAN TVE	30000
12.456	V	CLÁSICO	30000
12.456	V	CUATRO	30000
12.456	V	CUATRO	30000
12.456	V	EUROSPORT	30000
12.456	V	HISTORIA	30000
12.456	V	HOLLYWOOD	30000
12.456	V	TCM	30000
12.456	V	TELENOVELAS	30000
12.456	V	TELENOVELAS	30000
12.456	V	TNT	30000
12.456	V	TNT	30000
12.456	V	TNT	30000
● 12.456	V	ABONO F+	30000
12.456	V	Amigos+	30000
12.456	V	Contactanos	30000
12.456	V	EHS	30000
● 12.456	V	GUÍADIGITAL+	30000
12.456	V	GUÍADIGITAL+	30000
12.456	V	Paquetes	30000
12.456	V	Recibo	30000
12.456	V	Tu mando	30000
12.456	V	TV CANARIA	30000
12.456	V	{Empty}	30000
12.456	V	{Empty}	30000
12.456	V	{Empty}	30000
12.456	V	{Empty}	30000
12.456	V	{Empty}	30000
12.456	V	Audi	30000
12.456	V	Contrato	30000
12.456	V	Promociones	30000
12.456	V	0204aa04	27500
12.522	V	LA SEXTA	7400
12.522	V	SGTV VOCENTO	7400
12.547	V	65_TEST	30000
12.547	V	A3 EMERG CANARIAS	30000
12.547	V	ANTENA 3	30000
12.547	V	CUATRO	30000
12.547	V	TELE 5	30000
12.547	V	TELE 5 CANARIAS	30000
12.547	V	TVE 1	30000
12.547	V	TVE 2	30000
12.547	V	65_OCS-3	30000
12.547	V	65_OCS_2	30000
12.547	V	Prueba	30000
12.547	V	REG C+	30000
12.547	V	Test download	30000
12.547	V	EFE RADIO	30000
● 12.547	V	TEST AUDIO	30000
12.547	V	EXTREMADURA FM	30000

INTELSAT 907
332.5 East (27.5 West)

INT907EH



Freq GHz	Pol	Channel Name	Symbol rate
3.715	R	Ch. 50 - AF1-2, AF3-	8448
3.715	R	Ch. 51 - AF1-2, AF5-	8448
3.715	R	Ch. 52 - AF1-2, AF7-	8448
3.715	R	Ch. 53 - AF3-4, AF5-	8448
3.715	R	Ch. 58 - AF1-8	8448
3.715	R	Ch. 60 - AF1-2, AF3-	8448
3.715	R	Ch. 61 - AF1-2, AF5-	8448
3.715	R	Ch. 62 - AF1-2, AF7-	8448
3.715	R	Ch. 63 - AF5-6, AF7-	8448
3.715	R	Ch. 64 - AF3-4, AF5-	8448
3.715	R	Ch. 65 - AF3-4, AF7-	8448
3.715	R	Ch. 66 - AF5-6, AF7-	8448
3.715	R	Ch. 67 - AF9-10, AF1	8448
3.715	R	Ch. 68 - AF13-14, AF	8448
3.715	R	Ch. 8 - OS Downloa	8448
3.715	R	Ch. 9 - OS Downloa	8448
3.715	R	Sync A and Com1 9600	8448
3.762	R	Alhurra	30491
3.762	R	Feeds	30491
3.762	R	WorldNet	30491
3.762	R	WorldNet	30491
3.762	R	WorldNet	30491
3.762	R	WorldNet	30491
3.762	R	WorldNet	30491
3.762	R	Radio Farda	30491
3.762	R	RFE/Radio Liberty	30491
3.762	R	RFE/Radio Liberty	30491
3.762	R	RFE/Radio Liberty	30491
3.762	R	RFE/Radio Liberty	30491
3.762	R	RFE/Radio Liberty	30491
3.762	R	RFE/Radio Liberty	30491
3.762	R	RFE/Radio Liberty	30491
3.762	R	RFE/Radio Liberty	30491
3.762	R	RFE/Radio Liberty	30491
3.762	R	RFE/Radio Liberty	30491
3.762	R	RFE/Radio Liberty	30491
3.762	R	VoA News Now	30491
3.762	R	Voice of America	30491
3.762	R	Voice of America	30491
3.762	R	Voice of America	30491
3.762	R	Voice of America	30491
3.762	R	Voice of America	30491
3.762	R	Voice of America	30491
3.762	R	Voice of America	30491
3.762	R	Voice of America	30491
3.762	R	Voice of America	30491
3.762	R	Voice of America	30491
3.762	R	Voice of America	30491
3.762	R	Voice of America	30491
3.762	R	Voice of America	30491
3.849	R	RTP Mux	14470
3.872	R	Data services	5000
3.898	R	NTA	2892
3.936	R		4550
3.936	R		4550
4.050	R	Service 1	7000

INT907KE

Freq GHz	Pol	Channel Name	Symbol rate
● 11.516	V	NBA TV Europe	5632
11.665	V	Region 2A Ch5	13020
11.665	V	Region 3A Ch5	13020
11.665	V	Region 4A Ch5	13020
11.665	V	Region 5A Ch5	13020

INT907WH

Freq GHz	Pol	Channel Name	Symbol rate
3.732	R	FREE-X TV	14000
3.732	R	Fashion TV	14000
3.732	R	Kurdsat	14000
3.732	R	RR Sat promo	14000
3.732	R	TGN	14000
3.732	R	The God Channel	14000
3.732	R	VTV 4	14000
3.732	R	TGN Radio	14000
3.732	R	TRT FM	14000
4.065	L	NTA	

INTELSAT 905
335.5 East (24.5 West)

INT905CG

Freq GHz	Pol	Channel Name	Symbol rate
4.193	R	R-T-B	5180

INT905KE

Freq GHz	Pol	Channel Name	Symbol rate
11.521	V	TELEIPPICA	3333
11.674	V	Channel Punjab	27500
11.674	V	Sahara Filmy	27500
11.674	V	Sahara One	27500
11.674	V	SET Europe	27500
11.674	V	SET Max UK	27500
11.674	V	Star Gold	27500
11.674	V	Star One	27500
11.674	V	Star Plus	27500
● 11.674	V	AAG	27500
● 11.674	V	Aaj Tak	27500
11.674	V	Channel S	27500
● 11.674	V	GEO	27500
● 11.674	V	NDTV 24x7	27500
● 11.674	V	NTA	27500
11.674	V	NTA	27500

INT905WH

Freq GHz	Pol	Channel Name	Symbol rate
3.729	R	Al Arabiya	13333
3.729	R	Al Jazeera	13333

NSS 7
338.0 East (22.0 West)

NSS007CA

Freq GHz	Pol	Channel Name	Symbol rate
12.077	V	Reuters World News S	4000

NSS007EM

Freq GHz	Pol	Channel Name	Symbol rate
● 11.563	H	INS Europe Interna	6111
11.605	H	Reuters WNS	4000
11.605	H	Opportunistic Data	4000
11.620	H	ITA SIR1	2000
11.620	H	RTB Crypted	2000
● 11.624	H	ROMA UNO	3000
12.735	H	BOUCHAOUI_TDA3	16638
12.735	H	PROGRAMME NATIONA	16638
12.735	H	A3	16638
12.735	H	CANAL ALGERIE	16638
12.735	H	ADRAR	16638
12.735	H	AHAGGAR	16638
12.735	H	BATNA	16638
12.735	H	CHAINE 1	16638
12.735	H	CHAINE 2	16638
12.735	H	CHAINE 3	16638
12.735	H	ELWAHAT	16638
12.735	H	ESSOUHOUB	16638
12.735	H	GHARDAIA	16638
12.735	H	ILLIZI	16638
12.735	H	JIJEL	16638
12.735	H	NAAMA	16638
12.735	H	RADIO INTERNATION	16638
12.735	H	Radio20	16638
12.735	H	SAHEL	16638
12.735	H	SAOURA	16638
12.735	H	SOUF	16638
12.735	H	SOUK AHRAS	16638
12.735	H	TINDOUF	16638
12.735	H	TLEMCEN	16638
12.735	H	Opp Data	16638

NSS007KA

Freq GHz	Pol	Channel Name	Symbol rate
11.648	H	SERCOM MOSCOW 1	5926
11.648	H	TPA2	5926
11.779	H	Reuters World News S	4000
11.779	H	Opportunistic Data	4000
11.861	H	Dtcom tests (Boticar	35000
11.861	H	Dtcom tests (Boticar	35000
11.861	H	Dtcom tests (Boticar	35000
11.861	H	Dtcom tests (Boticar	35000
11.861	H	Dtcom tests (Boticar	35000
11.861	H	EasyBand	35000
11.921	H	EasyBand	35000
12.140	H	BibNac	7324
12.140	H	Global_xml	7324
12.140	H	Satmeeting	7324
12.140	H	Star One	7324
12.140	H	Star One HSI	7324
12.140	H	Unopar	7324

NSS007WA

Freq GHz	Pol	Channel Name	Symbol rate
10.986	V	13 Eme Rue	30000
10.986	V	AB1	30000
10.986	V	Action	30000
10.986	V	Canal+ Horizons	30000
10.986	V	Canal+ Horizons Jaun	30000
10.986	V	Cine Cinemas	30000
10.986	V	Cine Cinemas Rose	30000
10.986	V	EuroNews	30000
10.986	V	France 2	30000
10.986	V	I TV	30000
10.986	V	Motors TV	30000
10.986	V	MTV France	30000
10.986	V	RTL 9	30000
10.986	V	Sport+	30000
10.986	V	TF1	30000
10.986	V	Trace TV	30000
10.986	V	TV5 Afrique	30000
11.491	V	CRTV	30000
11.491	V	EuroSport	30000
11.491	V	France 3 Sat	30000
11.491	V	France 5	30000
11.491	V	InfoSport	30000
11.491	V	Mangas	30000
11.491	V	Odyssée	30000
11.491	V	ORTM	30000
11.491	V	Paris Premiere	30000
11.491	V	Planete France	30000
11.491	V	RFM TV	30000
11.491	V	RTS 1	30000
11.491	V	TF 6	30000
11.491	V	TiJi	30000
11.491	V	CFI TV promo	30000
11.491	V	Europe 1	30000
11.491	V	Europe 2	30000
11.491	V	NRJ	30000
11.491	V	Paris Jazz	30000
11.491	V	RFI Afrique	30000
11.551	V	3A Telesud	30000
11.551	V	CANAL EVENEMENT	30000
11.551	V	EUROSPORT 2	30000
11.551	V	LC2	30000
11.551	V	LCI	30000
11.551	V	National Geographic	30000
11.551	V	NT1	30000
11.551	V	Serie Club	30000
11.551	V	TEMPO 1	30000
11.551	V	TEMPO 2	30000
11.551	V	Test	30000
11.551	V	TEVA	30000
11.551	V	Voyage	30000
11.551	V	BBC ARABIC	30000
11.551	V	BBC WORLD	30000
11.551	V	BFM	30000
11.551	V	RADIO LATINA	30000
11.551	V	BANDE C	30000
11.551	V	Data service	30000
11.551	V	SAV	30000

C-Band: NSS 7
338.1 East (21.9 West)

NSS007CG

Freq GHz	Pol	Channel Name	Symbol rate
4.127	L	Atlantic	3680
● 4.127	L	Atlantic	3680
4.127	L	News	3680
● 4.127	L	News	3680
4.127	L	Sports	3680
● 4.127	L	Sports	3680

NSS007EH

Freq GHz	Pol	Channel Name	Symbol rate
● 3.650	R	C+ Essentiel	27500
3.650	R	C+ HORIZONS	27500
3.650	R	CANAL+ CINEMA	27500
3.650	R	CINE CINEMAS	27500
3.650	R	FRANCE2	27500
3.650	R	Reuters WNS	27500
3.650	R	TV5MONDE AFRIQUE	27500
3.650	R	RTBF International	27500
3.650	R	VTC NSS7	27500
3.650	R	Opportunistic Data	27500
3.725	L	TELE Africa	1462
3.931	L	Newsource	25000
3.931	L	CNN PLUS	25000
3.931	L	CNN Radio / Newslink	25000
3.931	L	CNN Spanish & Radio	25000
3.931	L	CNN-AOR Common	25000
3.931	L	CNN-AOR Turnaround	25000
3.931	L	Common Feed	25000
3.931	L	D9223 CCP Code Dow	25000
3.931	L	D9223 DCP Code Dow	25000
● 3.931	L	D9225, D9234 Code Do	25000
3.931	L	Engineering Channel	25000
3.931	L	AOR1 CNN Radio en	25000
3.931	L	AOR1 CNN Radio Eng	25000
3.931	L	AOR1 Radio In Hous	25000
4.055	R	EQUIDIA PRO	27500
4.055	R	2M MAROC	27500
4.055	R	AL Maghribiya	27500
4.055	R	CANAL ALGERIE	27500
4.055	R	France 24 (en França	27500
4.055	R	France 24 (in Englis	27500
4.055	R	NessmaTV	27500
● 4.055	R	OCASIONAL ATM PAR	27500
4.055	R	RTVE	27500
4.055	R	TELE..CONGO	27500
4.055	R	WALF TV	27500
4.055	R	AFRICA no 1	27500
4.055	R	COFRAC	27500
4.055	R	RADIO 2M	27500
4.055	R	Radio Congo	27500
4.055	R	REE	27500
4.055	R	RNE Radio 1	27500
4.055	R	TDA CH 1	27500
4.055	R	TDA Radio Internatio	27500
4.055	R	Wal Fadjri	27500
4.055	R	Tenfore	27500
4.179	R	ENG DEP VS SEV	27500
4.179	R	ENG DEP VS VAL	27500
4.179	R	ENG R.SOC VS BAR	27500
4.179	R	ENG REC VS R.MAD	27500
● 4.179	R	Abu Dhabi TV	27500
4.179	R	Abu Dhabi TV	27500
4.179	R	Abu Dhabi TV	27500
4.179	R	Abu Dhabi TV	27500
4.179	R	Jamahirya TV	27500
● 4.179	R	Jamahirya TV	27500
4.179	R	Jamahirya TV	27500
4.179	R	Jamahirya TV	27500
● 4.179	R	LEV VS BAR	27500
4.179	R	Oman TV	27500
4.179	R	Oman TV	27500
4.179	R	Oman TV	27500
● 4.179	R	Oman TV	27500
4.179	R	Qatar TV	27500
4.179	R	Qatar TV	27500
4.179	R	Qatar TV	27500
● 4.179	R	Qatar TV	27500
4.179	R	Saudi	27500
4.179	R	Saudi	27500
● 4.179	R	Saudi	27500
4.179	R	Saudi	27500
4.179	R	Sharjah TV	27500
4.179	R	Sharjah TV	27500
4.179	R	Sharjah TV	27500
● 4.179	R	Sharjah TV	27500
4.179	R	Sudan TV	27500
4.179	R	Sudan TV	27500
● 4.179	R	Sudan TV	27500
4.179	R	Sudan TV	27500
4.179	R	Syrian TV	27500
4.179	R	Syrian TV	27500
● 4.179	R	Syrian TV	27500
4.179	R	Syrian TV	27500
● 4.179	R	VAL-ESP	27500
4.179	R	Yemen TV	27500
● 4.179	R	Yemen TV	27500
4.179	R	Yemen TV	27500
4.179	R	Yemen TV	27500
● 4.179	R	Aden Radio	27500
4.179	R	Aden Radio	27500
4.179	R	Aden Radio	27500
4.179	R	Aden Radio	27500
● 4.179	R	Emirates FM	27500
4.179	R	Emirates FM	27500
4.179	R	Emirates FM	27500
4.179	R	Emirates FM	27500
4.179	R	Main General Program	27500
4.179	R	Main General Program	27500
● 4.179	R	Main General Program	27500
4.179	R	Main General Program	27500
4.179	R	Oman Radio	27500
● 4.179	R	Oman Radio	27500
4.179	R	Oman Radio	27500
4.179	R	Oman Radio	27500
4.179	R	Oman-Holy Quran	27500
4.179	R	Oman-Holy Quran	27500
4.179	R	Oman-Holy Quran	27500
● 4.179	R	Oman-Holy Quran	27500
4.179	R	Program One	27500
4.179	R	Program One	27500
4.179	R	Program One	27500
● 4.179	R	Program One	27500
4.179	R	Quatar radio	27500
4.179	R	Quatar radio	27500
● 4.179	R	Quatar radio	27500
4.179	R	Quatar radio	27500
4.179	R	Radio Omduman Holy K	27500
4.179	R	Radio Omduman Holy K	27500
4.179	R	Radio Omduman Holy K	27500
● 4.179	R	Radio Omduman Holy K	27500
● 4.179	R	Radio Quran	27500
4.179	R	Radio Quran	27500
4.179	R	Radio Quran	27500
4.179	R	Radio Quran	27500
4.179	R	Sana'a radio	27500
4.179	R	Sana'a radio	27500
● 4.179	R	Sana'a radio	27500
4.179	R	Sana'a radio	27500
● 4.179	R	Sharjah FM	27500
4.179	R	Sharjah FM	27500
4.179	R	Sharjah FM	27500
4.179	R	Sharjah FM	27500
4.179	R	Sudan Radio	27500
4.179	R	Sudan Radio	27500
4.179	R	Sudan Radio	27500
● 4.179	R	Sudan Radio	27500
4.179	R	Voice Of People	27500
● 4.179	R	Voice Of People	27500
4.179	R	Voice Of People	27500
4.179	R	Voice Of People	27500
4.179	R	Voice of Youth	27500
4.179	R	Voice of Youth	27500
4.179	R	Voice of Youth	27500
● 4.179	R	Voice of Youth	27500

NSS007WH

Freq GHz	Pol	Channel Name	Symbol rate
3.761	R	Bolivian Mux	22650
3.948	R	Samanyolu TV Amerika	2200

INTELSAT 901
342.0 East (18.0 West)

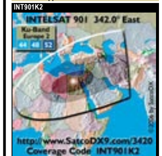
INT901CG

Freq GHz	Pol	Channel Name	Symbol rate
● 3.791	R	AIT LAGOS	4340
3.798	R	AIT - LAGOS.	4340
● 3.803	R	AIT LAGOS	2892
● 3.809	R	DAAR New York	4340

INT901K1

Freq GHz	Pol	Channel Name	Symbol rate
● 11.056	H	TELEREPORTERSUD	1950
● 11.156	H	CONAD	1600
11.678	H	NBA TV	28570
● 11.678	H	NBA TV Europe	28570
● 11.678	H	NBA Path 2	28570
● 11.678	H	NBA Path 3	28570
● 11.678	H	Opportunistic Data	28570

INT901K2



Freq GHz	Pol	Channel Name	Symbol rate
10.975	V	NBA feeds (NBA Pat	14571
10.975	V	NBA Path 2	14571
10.975	V	NBA TV Europe	14571

TELSTAR 12
345.0 East (15.0 West)

TES012ES

Freq GHz	Pol	Channel Name	Symbol rate
● 11.063	H	E! EMEA	19275
● 11.063	H	E! Style EMEA	19275
● 11.063	H	CNBC	19275
● 11.063	H	E! Foxtel / Sky NZ	19275
● 11.063	H	Test Service	19275
11.123	H	Club Europe	18386
11.123	H	Extreme Sports	18386
11.123	H	Nat Geo Poland	18386
11.123	H	NatGeo Wild	18386
11.123	H	Reality TV	18386
11.150	H	Club / Irisz	18386
11.150	H	Club CE	18386
11.150	H	Extreme France	18386
11.150	H	Nat Geo RUM	18386
● 11.150	V	NatGeo Wild	19275
11.150	H	Playboy TV NL	18386
11.150	H	Reality Asia	18386
● 11.150	V	Reality EMEA3	19275
11.150	H	Reality TV EMEA2	18386
11.150	V	E!canal Sat backup	19275
11.150	H	ASDA ENG	18386
11.150	H	ASDA SCO	18386
11.150	H	CarpetRight FM	18386
11.150	H	Makro FM	18386
11.150	H	PC World FM	18386
11.150	H	Eye on UPC	18386
● 11.150	V	SA PVR HD	19275
● 11.150	V	Thomson CB	19275
11.565	H	EuropeSoAfrica	5625
12.545	H	ATN 1	15000
12.545	H	ATN 2	15000
12.545	H	CNN HDLN	15000
12.545	H	CNN LIVE	15000
12.545	H	FOX	15000
12.545	H	KFOR AIRSCAN	15000
12.545	H	Pentagon	15000
12.545	H	QUAD ISR	15000
12.608	H	ADTH COMBO	19276
12.608	H	ETV	19276
12.608	H	Phoenix InfoNews	19276
12.608	H	AGHAPY TV	19276
12.608	H	AZER TV	19276
12.608	H	Gunaz TV	19276
12.608	H	Hwazan	19276
12.608	H	MAC TV	19276
12.608	H	SET International	19276
12.608	H	SET International	19276
12.608	H	Tasvir Iran	19276
12.608	H	TZUCHI	19276
12.608	H	VOA Persian	19276
12.608	H	YOUR TV	19276
12.608	H	Bahai Radio	19276
12.608	H	Farda Radio	19276
12.608	H	Kol Haneshama	19276
12.608	H	Radio Sedaye Iran	19276
12.608	H	VOA Radio	19276
12.645	H	EARTH TV	3254

TES012KA

Freq GHz	Pol	Channel Name	Symbol rate
11.729	V	Antenna Satellite	8800
11.732	H	Opensky	26500
11.804	V	AL ALAM	7595
11.804	V	IRINN	7595
11.804	V	JAM e JAM2	7595
11.804	H	ANT 1	3300
11.804	V	IRIB1	7595
11.804	V	IRIB4	7595
11.804	V	IRIB5	7595
11.804	V	RADIO MAAREF	7595
11.804	V	RADIO QURAN	7595
11.804	V	RADIO SARASARI	7595
11.804	V	RADIO SEDAYE ASHN	7595
11.856	H	Antenna Satellite	26027
11.895	V	IP/DVB Service	5000
11.895	V	RCS Map Table	5000
11.974	V	BVN	3400
11.974	V	RVI 1 (vrt)	3400
11.974	V	Eng-WRN-multi	3400

TV Digital | **Radio** Digital | **TV** Digital Crypt | **Radio** Digital Crypt | **TV** High Definition | **TV** High Definition Crypt | **Data** Channel | **TV** Analog | **Radio** Analog

11.974 V	Eng-WRN-multi	3400
11.974 V	RNW1 (dut)	3400
11.974 V	RNW2 (eng)	3400
11.974 V	RNW3 (spa/por)	3400
11.974 V	RNW5 (car/rci)	3400
11.979 H	PCR	20000
●11.979 H	PCR	20000
11.979 H	T12 Linkstar Service	20000
●11.979 H	T12 Linkstar Service	20000
12.081 H	BYU TV	3937
12.093 V	Default Service	2000
12.179 H	Antenna Satellite	3255
12.185 H	TelStar	4216
12.185 H	TelStar	4216

TES012KE

11.150 V	History Channel	19275
11.150 V	EPG	19275
●11.150 V	Nagra Guide	19275
11.150 V	France HITS NIT	19275
11.150 V	France HITS SDT	19275
11.150 V	Mistral 1	19275
11.150 V	Mistral 2	19275
11.150 V	NVOD Datastream	19275
11.150 V	Spare 1	19275
11.150 V	Spare 2	19275
12.522 V	Atlantic	26470
12.522 V	ESPN	26470
12.522 V	ESPN 2	26470
12.522 V	ESPN 2 Caribbean	26470
12.522 V	ESPN 2-Download	26470
12.522 V	ESPN-Download	26470
●12.522 V	Latin Caribbean	26470
12.522 V	Mexico	26470
12.522 V	Mexico Alt Lang reve	26470
12.522 V	Mexico Alt.	26470
12.522 V	Mexico-Download	26470
12.522 V	Pac Rim	26470
12.522 V	Regional Network/Occ	26470
12.522 V	Syndication NTSC	26470
12.522 V	Syndication PAL	26470
12.522 V	Test Copy of Mexico	26470
12.522 V	Deportes Radio	26470
12.522 V	Download Channel	26470
12.589 V	Simaye-Azadi	4501
●12.615 V	PAYAM	11939
12.615 V	Rang A Rang	11939
12.615 V	Rang-A-Rang TV	11939
●12.615 V	Scopus Net Tech	11939
●12.615 V	Simaye-Azadi	11939
●12.615 V	Tasvir Iran	11939

ATLANTIC BIRD 1
347.5 East (12.5 West)

EUTAB1EU

●11.099 H	LIFE CHANNEL	2000
11.132 H	BH-TV1	3254
11.132 H	BH-Radio1	3254
11.143 H	NTV HAYAT BIH	5062
11.143 H	NTV HAYAT SAT	5062
11.143 H	Radio Stari Grad	5062
11.331 H	Exotica Channel	6000
11.331 H	Touch TV	6000
●11.345 H	Nessuno TV	7955
●11.345 H	Telelombardia	7955
11.387 H	HBO COMEDY	27500
●11.387 H	MTV IDOL	27500
●11.387 H	MTV PULSE	27500
11.387 H	TRACE-TV	27500
11.387 H	BETHEL TV	27500
11.387 H	CANCAO NOVA	27500
11.387 H	CCTV 4	27500
11.387 H	France 24 (in Arabic	27500
11.387 H	Italy&Italy	27500
11.387 H	RIT-TV	27500
11.387 H	World Fashion	27500
11.387 H	DOINA - KISS RADI	27500
11.387 H	GRAND	27500
11.387 H	KISS Radio	27500
11.387 H	KISS ROM	27500
11.387 H	Lijepa nasa (LINA)	27500
11.387 H	MB Radio PARIS	27500
11.387 H	MegaRadio	27500
11.387 H	PEIRAIKI EKKLISIA	27500
11.387 H	RADIO FLES	27500
●11.387 H	Radio Pink Int.	27500
11.387 H	RADIO S BEOGRAD	27500
11.387 H	Radio SRNA-BOSANK	27500
11.387 H	Radio SvetPLUS	27500
11.387 H	RAM RAJ RADIO	27500
11.387 H	TREF Radio	27500
11.387 H	VULKAN radio	27500
11.387 H	YU PLANET BEC	27500
●12.515 H	LA7Cartapiu' A	17452
●12.515 H	LA7Cartapiu' B	17452
●12.515 H	LA7Cartapiu' C	17452
●12.515 H	LA7Cartapiu' D	17452
●12.515 H	LA7Cartapiu' E	17452
●12.515 H	Puntoshop Channel	17452
12.515 H	QOOB	17452
12.515 H	SitcomUNO	17452
●12.515 H	HUMAX DOWNLOAD SV	17452
12.515 H	LA7	17452
12.515 H	MTV ITALIA	17452
●12.515 H	PIU' SERVIZI	17452
12.515 H	TEST TIMB 2	17452
12.515 H	tvtv DIGITAL	17452
●12.529 V	OASI TV	1550
12.546 H	LA7	17454
12.546 H	MTV ITALIA	17454
12.546 H	Sardegnauno	17454
12.546 H	Az.Osp.S.Andrea	17454
●12.546 H	LA7Cartapiu' X	17454
●12.546 H	LA7Cartapiu' Y	17454
12.546 H	OrientaUnito	17454
12.546 H	Regione FVG	17454
●12.583 H	2M PLUS	2625
●12.583 H	DRIVE	2625
12.597 H	Extra 3	1910
12.632 V	RIT-TV	2141
12.637 V	Record Internacional	4285
12.740 V	Puglia Channel	1808

EXPRESS A3
349.0 East (11.0 West)

EXPA03GL

● 3.675 R	1TVRUS zapad	29615
● 3.675 R	RTR Planeta+RR	29615

EXPA03KZ

●11.516 V	ATV BL	7780
●11.516 V	FTV	7780
●11.516 V	RTRS	7780

ATLANTIC BIRD 2
352.0 East (8.0 West)

EUTAB2AB

10.976 V	Dubai Business Chann	30000
10.976 V	Dubai Sports Channel	30000
10.976 V	EDTV Channel Europ	30000
10.976 V	EDTV Radio 1	30000
10.976 V	EDTV Radio 2	30000

EUTAB2KE

10.970 H	AL RIYADIYAH	27500
10.970 H	AMERICA PLUS	27500
10.970 H	BOOMERANG	27500
10.970 H	CNBC-US	27500
10.970 H	JSC+1	27500
10.970 H	JSC+2	27500
10.970 H	NBA TV	27500
10.970 H	ORBIT ESPN	27500
10.970 H	ORBIT NEWS	27500
10.970 H	SUPER COMEDY	27500
10.970 H	MARHABA	27500
10.970 H	BBC ARABIC	27500
10.970 H	BBC ENGLISH	27500
10.970 H	CLASSICAL	27500
10.970 H	COUNTRY OF BLUES	27500
10.970 H	DANCE	27500
10.970 H	GMA DZBB	27500
10.970 H	HITS	27500
10.970 H	JAZZ	27500
10.970 H	KHALIJYA'T	27500
10.970 H	LITE FM	27500
10.970 H	LOVE SONGS	27500
10.970 H	MONAWA'T	27500
10.970 H	MONTE CARLO	27500
10.970 H	MOTOWN	27500
10.970 H	POP	27500
10.970 H	R&B	27500
10.970 H	ROCK	27500
10.970 H	RTest	27500
10.970 H	SUPER GOLD	27500
10.970 H	TARABIYA'T	27500
10.970 H	VIRGIN RADIO	27500
10.970 H	EPG	27500
10.970 H	RADIO MOSAIC	27500
10.970 H	SDSJ1	27500
10.972 V	Body in Balance	27500
●10.972 V	Bundesliga 9 - Kabel	27500
10.972 V	Channel One Russia	27500
10.972 V	Euro Star	27500
10.972 V	Euronews English	27500
10.972 V	Euronews French	27500
10.972 V	Euronews Italy	27500
10.972 V	Euronews Portugese	27500
10.972 V	Euronews Russia	27500
10.972 V	Euronews Spain	27500
10.972 V	Kinowelt	27500
10.972 V	LigTV	27500
10.972 V	PinkPlus	27500
10.972 V	RTR Planeta	27500
●10.972 V	Al Jazeera	27500
10.972 V	France 24	27500
10.972 V	OTA #1	27500
10.972 V	OTA #2	27500
11.008 H	ANIMAL PLANET	27500
●11.008 H	BBC PRIME	27500
11.008 H	DISCOVERY CHANNEL	27500
11.008 H	DISCOVERY SCIENCE	27500
11.008 H	DISCOVERY T&L	27500
●11.008 H	DISNEY CHANNEL	27500
●11.008 H	EURONEWS	27500
11.008 H	FANN	27500
11.008 H	MUSIC NOW	27500
11.008 H	PLAYHOUSE DISNEY	27500
11.008 H	STC	27500
11.008 H	TOON DISNEY	27500
11.008 H	TRACE	27500
●11.008 H	CNNI	27500
11.008 H	SDSJ2	27500
11.012 V	ATV Avrupa	27500
11.012 V	EuroD	27500
●11.012 V	FOX Turk	27500
11.012 V	Kanal7 Int	27500
11.012 V	Rai Due	27500
11.012 V	Rai Tre	27500
11.012 V	Rai Uno	27500
11.012 V	Show Turk	27500
11.012 V	TRT Int	27500
11.012 V	TurkMax	27500
11.012 V	TV Polonia	27500
11.057 H	AL SAFWA	27500
11.057 H	AL YAWM	27500
11.057 H	CINEMA 1	27500
11.057 H	CINEMA 2	27500
11.057 H	CINEMA CITY	27500
●11.057 H	FANN	27500
11.057 H	FUN CHANNEL	27500
●11.057 H	GMA Pinoy TV	27500
11.057 H	HISTORY CHANNEL	27500
11.057 H	HOLLYWOOD	27500
●11.057 H	NBN PINOY NEWS	27500
●11.057 H	PBO	27500
11.057 H	SERIES	27500
11.057 H	SERIES+4	27500
11.057 H	SUPER MOVIES	27500
11.057 H	SUPER MOVIES+1	27500
11.057 H	SDSJ3	27500
●11.092 H	Rotana Europe	10000
●11.092 H	STILL	10000
11.092 H	test	10000
●11.092 H	XLnt Arabian Nights	10000
●11.092 H	XLnt Comedy	10000
●11.092 H	XLnt Hits	10000
●11.092 H	XLnt HotPop	10000
●11.092 H	XLnt HotPop Gold	10000
●11.092 H	XLnt Kiddo FM	10000
●11.092 H	XLnt Lite	10000
●11.092 H	XLnt NederPop Gold	10000
●11.092 H	XLnt NederPop Nu	10000
●11.092 H	XLnt Nostalgie	10000
●11.092 H	XLnt PiratenHits	10000
●11.092 H	XLnt Radioboek	10000
11.389 H	13th Street	24800
11.389 H	AXN	24800
●11.389 H	Biography Channel	24800
11.389 H	Boomerang	24800
11.389 H	Cartoon Network	24800
11.389 H	Motors TV Deutschlan	24800
11.389 H	NASN	24800
11.389 H	National Geographic	24800
11.389 H	Sci Fi Deutschland	24800
11.389 H	Silverline	24800
11.389 H	The History Channel	24800
11.389 H	Turner Classic Movie	24800
11.389 H	DECIMUS_DL	24800
11.389 H	TT STB Update	24800
11.474 H	EQUIDIA PRO	27500
11.474 H	Abu Dhabi	27500
11.474 H	Al-Baghdadiyah	27500
11.474 H	Channel Punjab	27500
11.474 H	CLP TV	27500
11.474 H	RTV Montenegro	27500
11.474 H	SAT 7	27500
11.474 H	Syria Satellite Chan	27500
11.474 H	TELEPACE	27500
11.474 H	Yemen TV	27500
11.474 H	ZAHRAA TV	27500
11.474 H	Aden Radio	27500
11.474 H	Emirates FM	27500
11.474 H	Main General Program	27500
11.474 H	Radio Montenegro	27500
11.474 H	RADIO SAN	27500
11.474 H	Radio Thollon	27500
11.474 H	RDS	27500
11.474 H	Sana`a Radio	27500
11.474 H	TW RADIO	27500
11.474 H	Voice Of People	27500
11.474 H	Voice of Youth	27500
11.474 H	POLYCOM	27500
12.530 V	skyDSL/cableDSL	27500
12.537 H	K3 Kulturkanal	3038
12.570 V	AL QIETHARAH	27500
12.570 V	AL-HUDA	27500
●12.570 V	AL-HUDA	27500
12.570 V	Al-Madina	27500
12.570 V	Al-Majd 3	27500
●12.570 V	Al-Sahraa TV	27500
12.570 V	Al-Watan TV	27500
12.570 V	ALSHOOQ TV	27500
●12.570 V	Atlas Television	27500
12.570 V	Bait Al Halal	27500
12.570 V	DM TV	27500
12.570 V	Holy Quran	27500
●12.570 V	Jaras Tv	27500
12.570 V	konouz tv	27500
12.570 V	LBC EU	27500
12.570 V	LBC Europe	27500
12.570 V	MBC 1	27500
12.570 V	NBN	27500
●12.570 V	New TV	27500
12.570 V	New TV	27500
12.570 V	Noorsat Promo	27500
●12.570 V	OYOUN TV	27500
12.570 V	Shahrazad	27500
12.570 V	TIS	27500
12.606 V	Canal+	
12.649 V	Adult Channel	27500
12.649 V	arena info - KabelKi	27500
12.649 V	Blue Hustler	27500
●12.649 V	Bundesliga 1 - Kabel	27500
●12.649 V	Bundesliga 2 - Kabel	27500
●12.649 V	Bundesliga 3 - Kabel	27500
●12.649 V	Bundesliga 4 - Kabel	27500
●12.649 V	Bundesliga 5 - Kabel	27500
●12.649 V	Bundesliga 6 - Kabel	27500
●12.649 V	Bundesliga 7 - Kabel	27500
●12.649 V	Bundesliga 8 - Kabel	27500
●12.649 V	Bundesliga home - Ka	27500
●12.649 V	Bundesliga info - Ka	27500
12.649 V	ESPN Classic	27500
12.649 V	Extreme Sports	27500
12.649 V	Sailing Channel	27500
●12.649 V	Super Sports Network	27500
●12.649 V	TVN I Europe	27500
12.649 V	KabelKiosk - Infokan	27500

EUTAB2KM

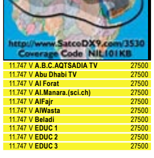
11.553 V	Al Nahrin	25775
11.553 V	Aliraqiya Sports	25775
11.553 V	Almajd Alhadith Alnb	25775
11.553 V	Alqeetharah promo	25775
11.553 V	Alsaha promo	25775
11.553 V	Alsalam	25775
11.553 V	Angham	25775
11.553 V	I.M.G	25775
11.553 V	TalaVision	25775
11.553 V	Test 10	25775
11.553 V	Test 11	25775
11.553 V	Test 12	25775
11.595 V	Afaak TV	25775
11.595 V	Al Hurria TV	25775
11.595 V	Al Masar TV	25775
11.595 V	Alatheer promo	25775
11.595 V	Alwasta	25775
11.595 V	Babel TV promo	25775
11.595 V	Feeds (MC_ERTU)	25775
11.595 V	Ghinaeya	25775
11.595 V	Kurdistan TV	25775
11.595 V	Turkmeneli TV	25775
11.595 V	Radio Turkmeneli	25775
11.595 V	TEST3	25775
11.595 V	TEST4	25775

BIRD 4
353.0 East (7.0 West)

EUTAB4MK

10.795 V	A3mal	27500
10.795 V	Addounia	27500
●10.795 V	Al Mergab	27500
10.795 V	Al Mukhtalif	27500
●10.795 V	AL Tejariah	27500
●10.795 V	Assaa	27500
10.795 V	Beeaty TV	27500
10.795 V	Fanoos	27500
●10.795 V	I TV	27500
●10.795 V	Khalijiah	27500
10.795 V	KurdSat	27500
●10.795 V	Massaya	27500
10.795 V	Melody Tunes	27500
10.795 V	Tunis 7	27500
10.795 V	Tunis Culture	27500
10.795 V	Tunis International	27500
10.795 V	Tunis National	27500
●10.872 V	Layalina	27500
●10.872 V	Fun TV	27500
●10.872 V	Afrah	27500
10.872 V	Afrah Wa Tahane	27500
10.872 V	Afrah Wa Tahane	27500
●10.872 V	Afrah we Tahane	27500
10.872 V	Al Bawadi	27500
10.872 V	Al Hekmah	27500
10.872 V	Al Madina	27500
10.872 V	Al Omma	27500
10.872 V	AL QIETHARAH	27500
10.872 V	Al Zawra	27500
10.872 V	Al-Bawadi	27500
10.872 V	Al-Bawadi	27500
●10.872 V	Al-Tawasol	27500
10.872 V	Al-Watan TV	27500
10.872 V	Alsahraa	27500
10.872 V	ATC	27500
10.872 V	Aviation	27500
10.872 V	Aviation	27500
10.872 V	Aviation	27500
10.872 V	Bahrain TV	27500
10.872 V	Bahry	27500
10.872 V	Ch 4 teen	27500
10.872 V	Ch 4 Teen	27500
10.872 V	Ch 4 teen	27500
10.872 V	Dunia TV	27500
●10.872 V	Education	27500
10.872 V	Fatwaa	27500
10.872 V	Fatwaa	27500
10.872 V	Fun TV	27500
●10.872 V	Holy Quran	27500
10.872 V	Knotika TV	27500
10.872 V	Knotika TV	27500
10.872 V	Koora	27500
10.872 V	Koora	27500
10.872 V	Layalina	27500
10.872 V	Noorsat test	27500
●10.872 V	Orange TV	27500
10.872 V	Ritmo	27500
10.872 V	RITMO	27500
10.872 V	Scope TV	27500
10.872 V	Sharm	27500
10.872 V	Tahane	27500
10.872 V	Tahane	27500
10.872 V	Taiba	27500
10.872 V	Taiba	27500
10.872 V	TIS	27500
●10.872 V	Zameen TV	27500
10.872 V	Zawaj	27500
10.872 V	Zawaj	27500
10.910 V	Al _Hekma	27500
10.910 V	Al Falestinyeh	27500
10.910 V	AL FAYHAA	27500
10.910 V	Al Hekma	27500
●10.910 V	Al Ittihad	27500
10.910 V	Al Madina	27500
10.910 V	Al Mustakillah	27500
10.910 V	Al Omma	27500
10.910 V	Al Omma	27500
10.910 V	Al-Aqsa	27500
10.910 V	al-Falastinyah	27500
10.910 V	Al-Fayhaa	27500
10.910 V	Al-Hekma	27500
10.910 V	Al-Mustakila	27500
10.910 V	Al-Quds	27500
10.910 V	Alquds	27500
●10.910 V	Arrai	27500
10.910 V	ATC	27500
10.910 V	ATC - Bahrain	27500
10.910 V	Atlas	27500
●10.910 V	Atlas	27500
10.910 V	Dunia	27500
10.910 V	Dunia TV	27500
10.910 V	Euronews	27500
10.910 V	Euronews	27500
10.910 V	MiX	27500
10.910 V	MLive	27500
10.910 V	Noorsat Promo	27500
10.910 V	Noorsat test	27500
●10.910 V	OSCAR	27500
●10.910 V	Salwa	27500
10.910 V	Seraj Al Aqssa TV	27500
●10.910 V	Shada TV	27500
10.910 V	Supertech	27500
10.910 V	TIS	27500
10.910 V	WTV	27500
10.910 V	Zaol TV	27500
10.910 V	Zoal	27500
10.930 H	INDUS VISION	27500
●10.930 H	Monasbat	27500
●10.930 H	VIP	27500
10.930 H	AL-BABELEYA	27500
10.930 H	AL-BABELEYA	27500
10.930 H	AL-BABELEYA	27500
10.930 H	ARAB TV	27500
10.930 H	ARAB TV	27500
10.930 H	ARAB TV	27500
10.930 H	Indus Vision	27500
10.930 H	INDUS VISION	27500
10.930 H	JMC Test 4	27500
10.930 H	JMC Test 5	27500
10.930 H	JMC Test 6	27500
10.930 H	JMC Test 7	27500
10.930 H	JMC Test2	27500
10.930 H	JMC TEST4	27500
10.930 H	JMC TEST5	27500
10.930 H	JMC TEST6	27500
10.930 H	JMC TEST6	27500
10.930 H	JMC TEST7	27500
10.930 H	JMC TEST7	27500
●10.930 H	Live TV	27500
10.930 H	TEST2	27500
12.341 V	AGHANI TV	27500
12.341 V	AL Aan	27500
12.341 V	ASIA BUSINESS TV	27500
12.341 V	DECISION MAKER TV	27500
●12.341 V	DUBAI SPORTS 2	27500
12.341 V	FATAFEAT	27500
●12.341 V	GHIRAS TV	27500
12.341 V	i2 TV	27500
12.341 V	Jawna	27500
12.341 V	MUCH MUSIC	27500
●12.341 V	NDTV ARABIA	27500
12.341 V	RAK TV	27500
12.341 V	Space Toon English	27500
●12.360 H	A LPHA Shop	27500
12.360 H	Al Badeel	27500
12.360 H	Al Badeel	27500
●12.360 H	Al Mowselya TV	27500
12.360 H	Al-Mowseleya TV	27500
12.360 H	AL-NADI	27500
12.360 H	AL-NADI	27500
12.360 H	Al-Tawasal	27500
12.360 H	ALIRAQIA SPORT	27500
12.360 H	ALIRAQIA SPORT	27500
12.360 H	Alkhalij	27500
12.360 H	ALLIBIYA	27500
●12.360 H	ALLIBIYA	27500
12.360 H	ALSALAM	27500
12.360 H	ALSALAM	27500
●12.360 H	ATTAWASUL	27500
12.360 H	Kounouz TV	27500
12.360 H	Libya Sport	27500
12.360 H	Libya Sport	27500
12.360 H	Nahrin	27500
12.360 H	Nahrin	27500
12.360 H	Sahar	27500
●12.360 H	Sahar TV	27500
●12.360 H	Smash TV	27500
12.360 H	Smash TV	27500
●12.360 H	Test	27500
12.360 H	Test	27500
●12.360 H	Test	27500
●12.360 H	Test	27500
12.360 H	Test	27500
12.360 H	Test	27500
12.360 H	Al-Libya FM1	27500
●12.360 H	ALLIBIYA FM1	27500
12.360 H	Shahrazad Radio	27500
●12.360 H	Shahrazad Radio	27500
12.400 H	AL-Adalah	27500
12.400 H	AlHURRIA TV	27500
12.400 H	ALJamahereya ALLib	27500
12.400 H	ALMasar TV	27500
12.400 H	Ghinaeya	27500
12.400 H	Kurdistan TV	27500
12.400 H	Lebanon TV	27500
12.400 H	Mawal	27500
12.400 H	OTV	27500
●12.400 H	Qamar-Kh	27500
12.400 H	Test	27500
12.400 H	Test	27500
12.400 H	TSN	27500
12.400 H	TURKMEN TV	27500
12.400 H	Venus TV	27500
12.400 H	ALJamahereya R	27500

NIL101KB



11.747 V	A.B.C.AQTSADIA TV	27500
11.747 V	Abu Dhabi TV	27500
11.747 V	Al Forat	27500
11.747 V	Al.Manara.(sci.ch)	27500
11.747 V	AlFajr	27500
11.747 V	AlWasta	27500
11.747 V	Beladi	27500
11.747 V	EDUC 1	27500
11.747 V	EDUC 2	27500
11.747 V	EDUC 3	27500
11.747 V	EDUC 4	27500
11.747 V	Huda TV	27500
11.747 V	Salah EL-Din	27500
11.747 V	Sehaty	27500
11.747 V	Tamima	27500
11.747 V	Test	27500
11.747 V	UNIV 1	27500
11.747 V	Radio Alforat	27500
11.747 V	SGMIN	27500
11.785 V	AL EQTISADIA TV	27500
11.785 V	AL SHARJAH	27500
11.785 V	CNBC-ARABIYA	27500
11.785 V	Dubai One	27500
11.785 V	Dubai Sports.	27500
11.785 V	Dubai TV	27500
11.785 V	MUSICPLUS	27500
●11.785 V	NOJOOM 1	27500
11.785 V	Sama Dubai	27500
11.785 V	SHARQIYA	27500
11.785 V	Space Toon Arabic	27500
11.785 V	ALSHARJAH RADIO	27500
11.785 V	EDTV Radio E	27500
11.785 V	EDTV Radio 1	27500
11.823 V	AL HIWAR	27500
11.823 V	AL MAGHRIBIA	27500
11.823 V	Alhurra	27500
11.823 V	AlThuraya	27500
11.823 V	Bahrain	27500
11.823 V	Kuwait	27500
11.823 V	Kuwait Sport & +	27500
11.823 V	Mehwer	27500
11.823 V	Oman	27500
11.823 V	PSC	27500
11.823 V	Sudan	27500
11.823 V	Syria	27500
11.823 V	Test	27500
11.823 V	KW Radio	27500
●11.823 V	Kw Sp Radio	27500
11.823 V	NEW FM Oman	27500
11.823 V	Oman -Quran	27500
11.823 V	Oman Arabic Radio	27500
11.823 V	Oman English Radio	27500
11.823 V	Syria R1	27500
11.823 V	Syria R2	27500
11.823 V	Syria R3	27500
11.843 H	AlJamahirya	27500
11.843 H	Cham TV	27500
11.843 H	Dream2	27500
11.843 H	Fashion	27500
11.843 H	FUNoon	27500
11.843 H	Konouz-Tv	27500
11.843 H	Nile Culture	27500
11.843 H	Nile Drama	27500
11.843 H	Nile Family	27500
11.843 H	Nile News	27500
11.843 H	Nile Sport	27500
11.843 H	Nile Variety	27500
11.843 H	Sowalif	27500
11.843 H	Tanweer	27500
11.843 H	ART AlTheker	27500
11.843 H	ART Radio	27500
11.843 H	BBC (A)	27500
11.843 H	BBC (E)	27500
11.843 H	Prog21	27500
11.843 H	Prog22	27500
11.843 H	Prog23	27500
11.843 H	Prog24	27500
11.843 H	Prog25	27500
11.843 H	Prog27	27500
11.843 H	Prog28	27500
11.843 H	Prog29	27500
11.843 H	Radio Farda	27500
11.843 H	Radio Sawa Iraq	27500
11.843 H	Radio Sawa Levant	27500
11.843 H	Radio Sawa Sudan	27500
11.843 H	Radio VOA Iraq	27500
11.843 H	RMC MO	27500
11.843 H	Umdorman Radio	27500
●11.861 V	Disney Channel	27500
●11.861 V	E! TV	27500
●11.861 V	Extreme Sports	27500
●11.861 V	ShowComedy Extra	27500
11.861 V	ShowKids	27500
●11.861 V	ShowSports 4	27500
●11.861 V	ShowSports Menu	27500
11.861 V	Al Waha	27500
11.861 V	Chatco	27500
●11.861 V	City 7 TV	27500
11.861 V	Nojoom 3	27500
●11.861 V	ShowToday	27500
11.861 V	TXT	27500
11.861 V	Arabic EPG	27500
11.861 V	EEPG	27500
11.881 H	Alf/N	27500
11.881 H	GEO TV	27500

The Full Chart with the most up-to-date channel data is available exclusively for TELE-satellite readers from SatcoDX's CD "World of Satellites"
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Freq GHz	Pol	Channel Name	Symbol rate
11.881	H	GOLD	27500
11.881	H	JAYA	27500
11.881	H	MOV	27500
11.881	H	NAGE	27500
11.881	H	NDTV	27500
11.881	H	PLUS	27500
11.881	H	SET	27500
11.881	H	SETMX	27500
11.881	H	VINDI	27500
11.881	H	VINT	27500
11.881	H	WLD	27500
11.881	H	ZMOV	27500
11.881	H	ZTV	27500
11.881	H	SPARE1	27500
11.881	H	SPARE2	27500
11.881	H	Amman Net Radio	27500
11.900	V	ASNshop	27500
11.900	V	Dream	27500
11.900	V	DW-TV ARABIA	27500
11.900	V	ETV	27500
11.900	V	Kuwait Ch.2	27500
11.900	V	Majd	27500
11.900	V	Mazzika	27500
11.900	V	Melody Hits	27500
●11.900	V	Oyoun TV	27500
11.900	V	Sahm TV	27500
11.900	V	TV5	27500
11.900	V	Xpress Shop	27500
11.900	V	Zoom	27500
11.900	V	DW A1	27500
11.900	V	DW A2	27500
11.900	V	NILE 1	27500
11.900	V	Nogoom Radio Ch	27500
12.034	H	AFLM1	27500
12.034	H	AFLM2	27500
12.034	H	ARTMW	27500
12.034	H	BNTV	27500
12.034	H	CINEMA	27500
12.034	H	HKYAT	27500
12.034	H	TARAB	27500
12.034	H	EIN	27500
12.034	H	Future TV	27500
12.034	H	IQRA	27500
12.034	H	JOR	27500
12.034	H	JSC	27500
12.034	H	Melody Aflam	27500
12.034	H	TEENZ	27500
12.034	H	ARZKR	27500
12.053	V	AD Sport TV	27500
●12.053	V	AL Zahabiya	27500
12.053	V	Al-Alam	27500
12.053	V	AL-Anwar	27500
12.053	V	Al-Majd3	27500
12.053	V	ALKASS TV	27500
12.053	V	Bedaya	27500
12.053	V	Hannibal	27500
12.053	V	Hi TV	27500
12.053	V	Mara7 TV	27500
12.053	V	MC	27500
12.053	V	Osool	27500
12.053	V	Rotana Zaman	27500
●12.053	V	Selevision Data Comm	27500
12.053	V	Tasliya	27500
12.053	V	DAL	27500

NIL102KB

Freq GHz	Pol	Channel Name	Symbol rate
11.919	H	Al NAS TV	27500
11.919	H	Al Saha TV	27500
11.919	H	Al-Kawthar	27500
11.919	H	ALBAGHDADIA	27500
11.919	H	AlIraqia	27500
11.919	H	ALRAFIDEN	27500
11.919	H	Ashur TV	27500
11.919	H	BAGHDAD TV	27500
11.919	H	Flash	27500
11.919	H	Kanati TV	27500
11.919	H	SPICY	27500
11.919	H	UNIV2	27500
11.919	H	Waseet EL-Khair	27500
11.919	H	Yemen	27500
11.919	H	AlAlam Radio1	27500
11.919	H	AlAlam Radio2	27500
11.919	H	Cesium	27500
11.919	H	DAR ALSALAM Radio	27500
11.919	H	Yemen R1	27500
11.919	H	Yemen R2	27500
11.919	H	MENA	27500
11.919	H	Mubasher	27500
11.919	H	NileNet1	27500
11.919	H	NileNet2	27500
11.919	H	NileNet3	27500
11.919	H	NileNet4	27500
11.938	V	AL AQARIYA	27500
11.938	V	Al Aqariya 2	27500
11.938	V	Alarabiya	27500
11.938	V	CITRUSS TV	27500
11.938	V	HAWAS TV	27500
11.938	V	MBC Action	27500
11.938	V	MBC1	27500
11.938	V	MBC2	27500
11.938	V	MBC3	27500
11.938	V	MBC4	27500
11.938	V	ZEE ARABIYA	27500
11.938	V	Jeddah FM	27500
11.938	V	MBC FM	27500
11.938	V	MBC FM ER	27500
11.938	V	Panjordan	27500
11.938	V	Panorama FM	27500
11.938	V	Riyadh FM	27500
11.957	H	ESN	27500
11.957	H	ESP	27500
11.957	H	SPRT1	27500
11.957	H	SPRT2	27500
11.957	H	SPRT3	27500
11.957	H	SPRT4	27500
11.957	H	SPRT5	27500
11.957	H	SPRT6	27500
11.957	H	SPRT7	27500
11.957	H	SPRT8	27500
11.957	H	SPRT9	27500
●11.977	V	Bloomberg	27500
●11.977	V	ShowCinema 1	27500
●11.977	V	ShowCinema 2	27500
●11.977	V	ShowCinema 3	27500
●11.977	V	ShowCinema 4	27500
●11.977	V	ShowCinema 5	27500
●11.977	V	ShowCinema 6	27500
●11.977	V	SOD	27500
●11.977	V	MTV	27500
●11.977	V	Sharjah TV2	27500
●11.977	V	ShowCinema Now	27500
●11.977	V	Wanasah	27500
11.977	V	Zen TV	27500
11.996	H	Sh Com	27500
11.996	H	Sh Mov 1	27500
11.996	H	Sh Mov 2	27500
11.996	H	Sh Mov Act	27500
11.996	H	Sh Mov Com	27500
11.996	H	Sh Mov Fam	27500
11.996	H	Sh Series 1	27500
11.996	H	Sh Series 1X	27500
11.996	H	Sh Series 2	27500
11.996	H	Shasha	27500
11.996	H	SSP 2	27500
11.996	H	SSP1	27500
11.996	H	SSP 3	27500
12.015	V	2M Maroc	27500
12.015	V	A1 Shop	27500
12.015	V	Al Jazeera Internati	27500
12.015	V	Alafasy	27500
12.015	V	CCTV9	27500
12.015	V	El-Emarah	27500
●12.015	V	Medi1 Sat	27500
12.015	V	Melody Arabia	27500
12.015	V	MTC	27500
12.015	V	Shababiyah	27500
12.015	V	Smile TV	27500
●12.015	V	Space Toon	27500
12.015	V	Strike	27500
●12.015	V	TEST	27500
12.073	H	BBC F	27500
12.073	H	Boom	27500
12.073	H	CNBC Eur	27500
12.073	H	CNN	27500
12.073	H	FTV	27500
12.073	H	Hallmark	27500
12.073	H	MTV E	27500
12.073	H	MTV Music	27500
12.073	H	T433	27500
12.073	H	TCM	27500
12.073	H	TCN	27500
12.073	H	Travel	27500
12.073	H	VH-1	27500
12.073	H	MC 1	27500
12.073	H	MC 10	27500
12.073	H	MC 2	27500
12.073	H	MC 3	27500
12.073	H	MC 4	27500
12.073	H	MC 5	27500
12.073	H	MC 6	27500
12.073	H	MC 7	27500
12.073	H	MC 8	27500
12.073	H	MC 9	27500
12.130	V	Heya	27500
12.130	V	LBC SAT	27500
12.130	V	MANAR	27500
12.130	V	Mega TV	27500
12.130	V	NBN	27500
12.130	V	NTV	27500
12.130	V	Rotana	27500
12.130	V	Rotana Clip	27500
12.130	V	Rotana Khalijiah	27500
12.130	V	Rotana Tarab	27500
12.130	V	Sumaria	27500
12.130	V	Leb Radio 3	27500
12.130	V	Leb Radio4	27500
12.130	V	Leb Radio6	27500
12.130	V	NOUR	27500
12.130	V	RFI	27500
●12.130	V	Sumer FM	27500
●12.149	H	Al-EKhbaria	27500
12.149	H	Saudi Sport	27500
12.149	H	Saudi TV	27500
12.149	H	Saudi-1	27500
12.149	H	Saudi-2	27500
12.149	H	European	27500
12.149	H	Holy Quran	27500
12.149	H	Radio-5	27500

Freq GHz	Pol	Channel Name	Symbol rate
12.149	H	Saudi Radio-1	27500
12.149	H	Saudi Radio-2	27500
12.207	V	Al Danah	27500
12.207	V	Al-Zaeem	27500
●12.207	V	ALSahraa	27500
12.207	V	Angham	27500
12.207	V	Arriadia	27500
12.207	V	Assadissa	27500
●12.207	V	BBC Arabic	27500
12.207	V	France 24	27500
12.207	V	Nessma TV	27500
12.207	V	Qatar1	27500
12.207	V	TV A3	27500
●12.207	V	WaW	27500
12.207	V	Chaine 1	27500
12.207	V	Chaine 3	27500
12.207	V	Radio International	27500
12.226	H	AGHANI TV	27500
12.226	H	Ajman TV	27500
12.226	H	AL DEERA TV	27500
12.226	H	ANB TV	27500
12.226	H	ARABIAN TRAVEL TV	27500
12.226	H	Awtar TV	27500
12.226	H	BOROUZ TV	27500
12.226	H	FAWASEL TV	27500
12.226	H	GEAR ONE	27500
12.226	H	Infinity TV	27500
12.226	H	Libra TV	27500
12.226	H	Libya	27500
●12.226	H	NOJOOM 2	27500
12.226	H	NOJOOM 4	27500
12.226	H	AJMAN CH 4 FM	27500
12.284	V	JSC Sports +1	27500
12.284	V	JSC Sports +2	27500
●12.284	V	AL JAZEERA CHILDR	27500
12.284	V	JSC Documentary	27500
12.284	V	JSC Mubasher	27500
12.284	V	JSC Sports 1	27500
12.284	V	JSC Sports 2	27500
12.284	V	JSC Test	27500
●12.301	H	FEED1	27500
12.301	H	Kairali	27500
12.301	H	NEOSP	27500
12.301	H	PrSPR	27500
12.301	H	Shara1	27500
12.301	H	Al Diyar	27500
12.301	H	ALHAKEKA	27500
●12.301	H	atv	27500
●12.301	H	FEED2	27500
12.301	H	ISHTAR TV	27500
12.301	H	LBC EU	27500
12.301	H	Najah.tv	27500
12.301	H	Nourmina	27500
12.301	H	Seven Stars	27500
●12.301	H	TEENZ	27500
12.301	H	Rotana Radio Jordan	27500

ATLANTIC BIRD 3
355.0 East (5.0 West)

EUTAB3SB

Freq GHz	Pol	Channel Name	Symbol rate
11.455	V	TMC	6666
11.475	V	TMC	
11.512	V	TF1 HD	29950
11.512	V	TF1	29950
●11.512	V	TV8 Mont Blanc	29950
11.554	V	ARTE	29950
11.554	V	France 2	30000
11.554	V	France 4	29950
11.554	V	France 5	29950
11.554	V	France O	29950
11.554	V	LCP	29950
●11.554	V	ARTE HD	30000
11.554	V	ARTE HD	29950
11.554	V	Eutelsat test 1	29950
11.554	V	Eutelsat test 10	29950
11.554	V	Eutelsat Test R1	29950
11.554	V	France 3	29950
●11.554	V	France 3	30000
11.554	V	Eutelsat test 11	29950
11.554	V	Eutelsat test 12	29950
11.554	V	Eutelsat test 15	29950
11.554	V	Eutelsat test 16	29950
11.554	V	Eutelsat test 17	29950
11.554	V	Eutelsat test 18	29950
11.554	V	Eutelsat test 8	29950
●11.554	V	SSU	30000
11.554	V	SSU	29950
11.590	V	ARTE	20000
11.590	V	France 2	20000
11.590	V	France 3	20000
11.590	V	France 4	20000
11.590	V	France 5	20000
11.590	V	LCP	20000
11.609	V	France3 Grenoble	6944
11.609	V	ViaStella	6944
12.522	V	M6	
12.522	V	Mood Music 2	
●12.543	H	MCM Belgique	27500
●12.543	H	GCPE1	27500
●12.543	H	GCPE2	27500
●12.543	H	Lloyds Live	27500
●12.543	H	Spar Live	27500
●12.543	H	CAPYTOL	27500
●12.543	H	FIP Region	27500
●12.543	H	France Bleu Frequenz	27500
●12.543	H	France Bleu IdF	27500
●12.543	H	France Bleu Modulati	27500
●12.543	H	Prod.31 (BUT)	27500
●12.543	H	Prod.31 (CONFO)	27500
●12.543	H	Prod.31(GIFI)	27500
●12.543	H	Radio Soleil	27500
●12.543	H	RDS 128 K	27500
●12.543	H	RF contribution	27500
●12.543	H	01 01 12 96	27500
●12.543	H	01 01 12 97	27500
●12.543	H	01 02 12 94	27500
●12.543	H	01 02 12 96	27500
●12.543	H	01 02 12 97	27500
●12.543	H	01 03 07 31	27500
●12.543	H	01 03 12 14	27500
●12.543	H	01 03 12 15	27500
●12.543	H	01 03 20 04	27500
●12.543	H	01 04 12 03	27500
●12.543	H	01 04 12 04	27500
●12.543	H	01 05 12 02	27500
●12.543	H	01 05 12 06	27500
●12.543	H	01 51 12 05	27500
●12.543	H	Dassault-AB3	27500
●12.543	H	DigitMac	27500
●12.543	H	EPG FTC	27500
●12.543	H	EPG OPTPID=984	27500
●12.543	H	Exlinea	27500
●12.543	H	GIE-les indépendants	27500
●12.543	H	Guide des Services	27500
●12.543	H	Guide TV	27500
●12.543	H	Homing	27500
●12.543	H	Intellicast	27500
●12.543	H	LOREAL	27500
●12.543	H	MODULO CARTE	27500
●12.543	H	Mon Abonnement	27500
●12.543	H	Portail Multivision	27500
●12.543	H	PORTAIL TEST	27500
●12.543	H	Portail V2 Bis	27500
●12.543	H	RF multicast	27500
●12.543	H	RF unicast	27500
●12.543	H	test DVB-H	27500
●12.543	H	WingMcast	27500
12.564	V	France 2	
12.564	V	Audio test tone	
12.564	V	Berbere Radio	
12.587	H	R4 HD	27500
12.587	H	Retequattro	27500
12.587	H	S3 El	27500
12.587	H	S4 El	27500
●12.587	H	Italia 1	27500
●12.587	H	Mediashopping	27500
●12.587	H	Rete 4	27500
●12.587	H	S16	27500
●12.587	H	S17	27500
●12.587	H	S18	27500
●12.587	H	S20	27500
●12.587	H	Sportitalia	27500
●12.587	H	Sportitalia24	27500
●12.587	H	M_e	27500
12.587	H	OTA	27500
12.606	V	Arte Francais	
12.606	V	France 5	
12.648	V	CANAL+ France	
●12.660	H	Canale Cortesia	8100
●12.660	H	Canale5	8100
●12.660	H	EMM	8100
12.660	H	ESG TI	8100
●12.660	H	ESG TIMB	8100
12.660	H	Int Table	8100
12.660	H	Italia1	8100
12.660	H	La7	8100
12.660	H	MTV	8100
12.660	H	Premium10	8100
12.660	H	Premium11	8100
12.660	H	Premium2	8100
12.660	H	Premium4	8100
12.660	H	Premium7	8100
12.660	H	Premium8	8100
12.660	H	Premium9	8100
12.660	H	SI live 24	8100
12.660	H	SKYmeteo24	8100
12.660	H	SKYsport24	8100
12.660	H	SKYtg24	8100
12.660	H	VF_CH_01	8100
12.660	H	VF_CH_02_10	8100
●12.660	H	VF_CH_03_15	8100
12.660	H	VF_CH_04_13	8100
●12.660	H	VF_CH_05_16	8100
12.660	H	VF_CH_06_14	8100
12.660	H	VF_CH_07_12	8100
12.660	H	VF_CH_08_11	8100
12.660	H	VF_EMM	8100
12.660	H	VF_ESG	8100
12.690	V	TF1	
12.732	V	France 3 Sat	

EUTAB3WB

Freq GHz	Pol	Channel Name	Symbol rate
●12.614	H	Casa Italia	8790
●12.614	H	Diva Futura Plus	8790
●12.614	H	Diva Futura Sex	8790
12.614	H	HOT CHILI	8790
●12.614	H	Mondo Arte	8790
12.614	H	NAPOLI NOVA	8790
●12.614	H	One Minute TV	8790
12.614	H	TAPESH TV2	8790
●12.614	H	TAPESH TV2	8790
12.614	H	RADIO CAPRI	8790
12.642	H	TV Montenegro	3092
12.711	H	ANC	30000
12.711	H	Cinema 1	30000
12.711	H	PCTV	30000
12.711	H	TFC PPV	30000
12.711	H	TFC1	30000
12.711	H	TFC2	30000
12.711	H	DWRR	30000
12.711	H	DZMM	30000

C-Band: ATLANTIC BIRD 3
355.1 East (4.9 West)

EUTAB3TA

Freq GHz	Pol	Channel Name	Symbol rate
● 3.641	R	Tele Reunion	2480
3.641	R	Tele Reunion	2480
3.646	R	Tele Sahel	2170
3.653	R	2M MAROC	2170
● 3.653	R	Castle	2170
3.653	R	RADIO 2M	2170
● 3.658	R	KTN NGONG ENC A	2892
3.658	R	KTN NGONG ENC B	2892
3.711	L	CRTV	3463
3.727	R	CFIAFRPRO1	29950
3.727	R	CFIAFRPRO2	29950
3.727	R	CFIAMEPRO	29950
3.727	R	DOM 1	29950
3.727	R	DOM 2	29950
3.727	R	DOM 4	29950
3.727	R	DOM 5	29950
3.727	R	DOM 6	29950
3.727	R	DOM 7	29950
3.727	R	DOM 8	29950
3.727	R	DOM 3	29950
3.727	R	DW-TV AFRICA	29950
3.727	R	RFI Francais	29950
3.727	R	RFI Test	29950
● 3.727	R	RFI TV	29950
3.727	R	CFI Audio 1	29950
● 3.727	R	CFI Audio 1	29950
3.727	R	CFI Audio 11	29950
● 3.727	R	CFI Audio 2	29950
3.727	R	CFI Audio 2	29950
3.727	R	CFI Audio 21	29950
3.727	R	DW 01	29950
3.727	R	DW 02	29950
3.727	R	DW 04	29950
3.727	R	DW 05	29950
3.727	R	DW 06	29950
3.727	R	DW 08	29950
3.727	R	DW 09	29950
3.727	R	RCI 3	29950
3.727	R	RFI AF Centrale	29950
3.727	R	RFI Bissau	29950
3.727	R	RFI Cameroun	29950
3.727	R	RFI Cap Vert	29950
3.727	R	RFI Divers 1	29950
3.727	R	RFI Divers 2	29950
3.727	R	RFI Divers 3	29950
3.727	R	RFI Gambie	29950
3.727	R	RFI Ghana	29950
● 3.727	R	RFI Haussa	29950
3.727	R	RFI Kenya	29950
3.727	R	RFI Langues 1	29950
3.727	R	RFI Langues 2	29950
3.727	R	RFI Lesotho	29950
3.727	R	RFI Liberia	29950
3.727	R	RFI Madagascar	29950
3.727	R	RFI Malabo Pico	29950
3.727	R	RFI Malabo Ville	29950
3.727	R	RFI Mozambique	29950
3.727	R	RFI Musique	29950
3.727	R	RFI Namibie	29950
3.727	R	RFI Niamey	29950
3.727	R	RFI Niger	29950
● 3.727	R	RFI Nord Cameroun	29950
3.727	R	RFI Ocean Indien	29950
3.727	R	RFI Ouganda	29950
3.727	R	RFI Rmc	29950
3.727	R	RFI Rwanda	29950
3.727	R	RFI Sao Tome	29950
3.727	R	RFI Senegal	29950
3.727	R	RFI Sierra Leone	29950
3.727	R	RFI Tanzanie	29950
3.727	R	RFI WS Est	29950
3.727	R	RFI WS Ouest	29950
3.727	R	RFI WS Sud	29950
3.727	R	RFI Zambie	29950
3.727	R	FILEAS-AFRIQUE	29950
3.727	R	Meteo France AB3	29950
3.727	R	Service IP DOM	29950
● 4.023	R	TELE..CONGO	2018
4.023	R	TELE..CONGO	2018
4.157	L	RTG1 TELEVISION	8010
4.157	L	RTG2 TELEVISION	8010
4.157	L	RTN TELEVISION	8010
4.157	L	RADIO AFRICA+	8010
4.157	L	RADIO AFRICA1	8010
4.157	L	RADIO RTG 1	8010
4.160	R	AL BADEEL	20325
4.160	R	AL HEDAYA	20325
4.160	R	AL-MONOWA	20325
4.160	R	ALNADI	20325
4.160	R	ATTAWASUL	20325
4.160	R	Jamahiriya Sat Chann	20325
4.160	R	Libya Sport (Riadi	20325
4.160	R	LY LJB	20325

AMOS 1,2
356.0 East (4.0 West)

AMO001EA

Freq GHz	Pol	Channel Name	Symbol rate
10.972	V	BBC Prime	27500
10.972	V	CNN	27500
10.972	V	DVDbox	27500
10.972	V	DVDbox	27500
10.972	V	DVDbox	27500
10.972	V	Star World	27500
10.972	V	Test Channel	27500
10.972	V	Viva Platina	27500
10.972	V	Yes Docu	27500
10.972	V	90 FM	27500
10.972	V	Arabic IBA	27500
10.972	V	Radio 102FM	27500
10.972	V	Radio 103FM	27500
10.972	V	RADIO 88 FM	27500
10.972	V	Radio 99esc	27500
10.972	V	Radio darom	27500
10.972	V	Radio Galaz	27500
10.972	V	Radio Galgalaz	27500
10.972	V	Radio Jerusalem	27500
10.972	V	Radio K. Hamukika	27500
10.972	V	Radio Kol Hai	27500
10.972	V	Radio Kol Haiam Hado	27500
10.972	V	RADIO LEV HAMEDIN	27500
10.972	V	Radio Melodia	27500
10.972	V	Radio Reka	27500
10.972	V	Radio Reshet Alef	27500
10.972	V	Radio Reshet Bet	27500
10.972	V	Radio Reshet Gimel	27500
10.972	V	Radio rishon	27500
10.972	V	Radio Select	27500
10.972	V	Radios 100 FM	27500
10.972	V	Rodio Monitor	27500
10.972	V	vod	27500
10.986	H	FETV	6666
10.986	H	METV	6666
10.986	H	RADIO 3	6666
10.986	H	RADIO 4	6666
10.986	H	RADIO 5	6666
10.986	H	RADIO 6	6666
10.986	H	RADIO 7	6666
10.986	H	Radio Love	6666
10.986	H	The Word	6666
10.993	H	Baki TV	4850
10.993	H	RR Sat Promo	4850
11.008	V	Mystic Channel	27500
11.008	V	Our Song	27500
11.008	V	Sport One	27500
11.008	V	Tech TV	27500
11.008	V	Testcard	27500
11.008	V	The Adult Channel	27500
11.008	V	ToV-TV	27500
11.008	V	TV5	27500
11.008	V	Yes Casino	27500
11.008	V	Yes Play	27500
11.008	V	Yes Pulse	27500
11.008	V	Yes Weather	27500
11.008	V	GAME ONE	27500
11.008	V	Logic games	27500
11.008	V	Data services	27500
11.008	V	Data services	27500
11.008	V	Data services	27500
11.008	V	Data services	27500
11.008	V	Data services	27500
11.008	V	Games Portal	27500
11.008	V	Hop! Lomdim	27500
11.008	V	Millionaire	27500
11.008	V	Power play	27500
11.008	V	Sponge bob	27500
11.008	V	Yes GAMES	27500
11.008	V	Yes Info	27500
11.008	V	Yes store	27500
11.008	V	Yes Weekend	27500
11.132	V	KURDSAT	3254
11.177	V	IBA 10	8520
11.177	V	IBA 2	8520
11.474	V	DVDBox	27500
11.474	V	DVDBox	27500
11.474	V	DVDBox	27500
11.474	V	DVDBox	27500
11.474	V	English League	27500
11.474	V	Hatchelet	27500
11.474	V	ISR WGames	27500
11.474	V	Music Box Rusia	27500
11.474	V	SAT 1	27500
11.474	V	Yes Promo	27500
11.474	V	Xtreme play	27500
11.474	V	Data services	27500
11.474	V	iPortla test	27500
11.474	V	Videobox	27500
11.510	V	Biography	27500
11.510	V	DVDbox	27500
11.510	V	Good Life TV Network	27500
11.510	V	History Channel	27500
11.510	V	Israel Plus	27500
11.510	V	Sports 5+	27500
11.510	V	TV Mall	27500
11.510	V	Yes news	27500
11.510	V	Yes Y	27500
11.510	V	Yesababa	27500
11.558	V	Adventure One	27500
11.558	V	Animal Planet	27500
11.558	V	Channel 3	27500
11.558	V	Daystar	27500
11.558	V	E!	27500
11.558	V	English League	27500
11.558	V	Kids Channel	27500
11.558	V	M2	27500
11.558	V	MCM TOP	27500
11.558	V	Nickelodeon	27500
11.558	V	Sat 3	27500
11.558	V	Shopping	27500
11.558	V	TCM	27500
11.558	V	Yes Sport	27500
11.558	V	Yes Weekend	27500
11.558	V	Yes+	27500
11.558	V	yes IMPACT	27500
11.592	V	Channel 3	27500
11.592	V	Channel 3	27500
11.592	V	Disc-Science	27500
11.592	V	DVDbox	27500
11.592	V	DVDbox	27500
11.592	V	EGO	27500
11.592	V	Eurosport	27500
11.592	V	Extreme Sport Channe	27500
11.592	V	Fox News	27500
11.592	V	Israeli Game	27500
11.592	V	Music 24	27500
11.592	V	N. Geographic	27500
11.592	V	The Discovery Channe	27500
11.592	V	VH1 Classic	27500
11.592	V	Yes 2	27500
11.592	V	Zee TV	27500
11.677	V	DVDbox	27500
11.677	V	DVDbox	27500
11.677	V	DVDbox	27500
11.677	V	DVDbox	27500
11.677	V	Education Channel 33	27500
11.677	V	ESPN	27500
11.677	V	MTV Base	27500
11.677	V	Open Channel	27500
11.677	V	Music Monitor	27500
11.677	V	Music Select	27500
11.677	V	Data services	27500
11.677	V	Data services	27500

AMO001EU

Freq GHz	Pol	Channel Name	Symbol rate
10.842	H	Animal Planet	27500
10.842	H	Antena 1	27500
10.842	H	AXN Sci-Fi	27500
10.842	H	Boom Karaoke	27500
10.842	H	Boomerang	27500
10.842	H	Civilisation	27500
10.842	H	Discovery	27500
10.842	H	Eurosport 2	27500
10.842	H	MTV Base	27500
10.842	H	MTV Hits	27500
10.842	H	National TV	27500
10.842	H	Prima TV	27500
10.842	H	Realitatea TV	27500
10.842	H	Science	27500
10.842	H	Travel & Liv.	27500
10.842	H	U TV	27500
10.842	H	VH 1	27500
10.842	H	Radio Guerrilla	27500
10.842	H	Radio Deea	27500
10.842	H	Games	27500
●10.842	H	Test	27500
●10.924	H	Boom Action	27500
●10.924	H	Boom Cinema1	27500
●10.924	H	Boom Cinema2	27500
●10.924	H	Boom Classic	27500
●10.924	H	Boom Comedy	27500
●10.924	H	Boom Drama	27500
●10.924	H	Boom Hop!	27500
●10.924	H	Boom Indian	27500
●10.924	H	Boom Secrets	27500
●10.924	H	Boom Sport	27500
●10.924	H	Extreme Sports	27500
●10.924	H	Favorit TV	27500
●10.924	H	Kanal D	27500
●10.924	H	Nat. Geographic	27500
●10.924	H	Sport Klub Ro	27500
●10.924	H	TVR Cultural	27500
●10.924	H	Viasat History	27500
●10.924	H	{Empty}	27500
11.260	H	4, a storyteve	27500
11.260	H	anime+ Hungary	27500
11.260	H	anime+ Romania	27500
11.260	H	Filmmuzeum	27500
11.260	H	hirTV	27500
11.260	H	Minimax Hun/A+	27500
11.260	H	Minimax Rom/A+	27500
11.260	H	Pax TV	27500
11.260	H	Minimax Hungary	27500
11.260	H	Minimax Romania	27500
11.260	H	Minimax Serbia	27500
11.260	H	Musicmax	27500
11.260	H	Musicmax Adult	27500
11.260	H	Musicmax/MsxAdult	27500
11.260	H	Telemedia 2	27500
11.260	H	Telemedia 3	27500
11.260	H	Telemedia 6	27500
11.260	H	jazzradio.hu	27500
11.260	H	Juventus Radio	27500
11.303	H	SK PL	19540
11.303	H	SK PL +	19540
11.303	H	Sportklub	19540
●11.303	H	test	19540
11.303	H	ATV	19540
11.303	H	Vitál TV	19540
11.303	H	Radio1	19540
11.303	H	Katolikus Radio	19540
●11.323	H	NET TV	3350
●11.328	H	CARLI TV	3350
11.328	H	NET TV	3350
●11.328	H	TV3 SLOVENIJA	3350
●11.332	H	HTV-RT	3500
11.347	H	TMT	2800
11.352	H	OBN	3350
●11.359	H	NOVA TV	3350
11.423	H	5KANALAS	2892
11.427	H	MTV Adria	3333
11.427	H	{Empty}	3333
11.435	H	NOLL TV	7480
11.435	H	Partener TV	7480
11.546	H	ALPHA TV	8050
11.546	H	MONEY CHANNEL	8050
11.546	H	REALITATEA TV	8050
11.560	H	BBC World	13400
11.560	H	CNN	13400
11.560	H	Duna TV	13400
11.560	H	Money Channel	13400
11.560	H	Nickelodeon	13400
11.560	H	OTV	13400
11.560	H	ProTV Intl	13400
11.560	H	SKY News	13400
11.560	H	Taraf TV	13400
11.585	H	FilmBOX	8888
11.585	H	Nonstop KINO	8888
11.585	H	Fashion TV	8888
●11.585	H	IPN TV	8888

AMO002EU

Freq GHz	Pol	Channel Name	Symbol rate
10.723	H	1PLUS1 Intern-I	27500
10.723	H	MEGASPORT	27500
10.723	H	TV KYIV	27500
10.723	H	1PLUS1	27500
10.723	H	1PLUS1 CINEMA	27500
10.723	H	K1	27500
10.723	H	K2	27500
10.723	H	OTV	27500
10.758	V	Nashe Kino	27500
10.758	V	RTV International	27500
10.762	H	ICTV	26000
10.762	H	KIEV STB	26000
10.762	H	M1	26000
10.762	H	M2	26000
10.762	H	NEWS 24	26000
10.762	H	TONIS	26000
10.805	H	Cinemax 2 Bulgaria	27500
10.805	H	Cinemax 2 Czech	27500
10.805	H	Cinemax 2 Hungary	27500
10.805	H	Cinemax 2 Poland	27500
10.805	H	Cinemax 2 Romania	27500
10.805	H	Cinemax Bulgaria	27500
10.805	H	Cinemax Czech	27500
10.805	H	Cinemax Hungary	27500
10.805	H	Cinemax Original Lan	27500
10.805	H	Cinemax Poland	27500
10.805	H	Cinemax Romania	27500
●10.805	H	Comedy Adria Bulgari	27500
●10.805	H	Comedy Adria Croatia	27500
●10.805	H	Comedy Adria Interna	27500
●10.805	H	Comedy Adria Serbia	27500
●10.805	H	Comedy Adria Sloveni	27500
●10.805	H	HBO Adria Bulgaria	27500
10.805	H	HBO Adria Croatia	27500
10.805	H	HBO Adria for DTH	27500
10.805	H	HBO Adria Serbia	27500
10.805	H	HBO Adria Slovenia	27500
●10.805	H	HBO Adria Test	27500
10.805	H	HBO Bulgaria	27500
10.805	H	HBO Bulgaria (AC3)	27500
●10.805	H	HBO Comedy Czech	27500
●10.805	H	HBO Comedy Hungary	27500
●10.805	H	HBO Comedy Internati	27500
●10.805	H	HBO Comedy Romania	27500
●10.805	H	HBO Comedy Romania	27500
10.805	H	HBO Czech	27500
10.805	H	HBO Czech (AC3)	27500
10.805	H	HBO Czech (AC3) -	27500
10.805	H	HBO Czech Original	27500
10.805	H	HBO Hungary	27500
10.805	H	HBO Hungary (AC3)	27500
10.805	H	HBO Hungary (AC3)	27500
10.805	H	HBO Hungary (AC3)	27500
10.805	H	HBO Hungary Origin	27500
10.805	H	HBO Pol Orig	27500
10.805	H	HBO Poland	27500
10.805	H	HBO Poland for STB	27500
10.805	H	HBO Romania	27500
10.805	H	HBO Romania (AC3)	27500
10.805	H	HBO2 Czech	27500
10.805	H	HBO2 for DTH	27500
10.805	H	HBO2 Hungary	27500
10.805	H	HBO2 OrigHu	27500
10.805	H	HBO2 Poland	27500
10.805	H	HBO2 Poland for ST	27500
10.805	H	HBO2 Poland Origin	27500
10.805	H	Spektrum	27500
●10.805	H	Test Channel	27500
●10.805	H	Test for Adria	27500
10.805	H	OS Download	27500
11.413	H	HBO Comedy Czech	6666
11.413	H	HBO Comedy Hungary	6666
11.413	H	HBO Comedy Poland	6666
11.413	H	HBO Comedy Romania	6666
●11.413	H	HBO Pol Orig	6666
●11.413	H	HBO Poland	6666
●11.413	H	HBO Poland for STB	6666
●11.413	H	HBO2 Poland	6666
●11.413	H	HBO2 Poland for ST	6666
●11.413	H	HBO2 Poland Origin	6666
●11.413	H	Test Channel	6666
11.626	H	IP/DVB Service	4000
11.626	H	RCS Map Table	4000
11.652	H	MTV Romania	16100
11.652	H	Telesport	16100
11.652	H	B1 TV	16100
11.652	H	Flux TV	16100
11.652	H	Senso	16100
11.652	H	Radio Logos	16100
11.652	H	Trinitas	16100

AMO002ME

Freq GHz	Pol	Channel Name	Symbol rate
10.720	V	BBC World	27500
10.720	V	Cartoon Network	27500
10.720	V	DVDbox	27500
10.720	V	DVDbox	27500
10.720	V	DVDbox	27500
10.720	V	DVDbox	27500
10.720	V	Eurosport News	27500
10.720	V	Interstar	27500
10.720	V	MBC	27500
10.720	V	METV	27500
10.720	V	Planeta sport	27500
10.720	V	Private Blue	27500
10.720	V	Pro TV	27500
10.720	V	RTM	27500
10.720	V	TVE	27500
10.720	V	Yes Anime	27500
10.758	V	ARTE	27500
10.758	V	CCTV 9	27500
10.758	V	Channel 33	27500
10.758	V	DVDbox	27500
10.758	V	DVDbox	27500
10.758	V	DVDbox	27500
10.758	V	DVDbox	27500
10.758	V	DVDbox	27500
10.758	V	Game One	27500
10.758	V	LBC	27500
10.758	V	RTL	27500
10.758	V	RTR	27500
10.758	V	TVR International	27500
10.758	V	Yes Teleclub	27500
10.803	V	BBC Prime	27500
10.803	V	Channel 1	27500
10.803	V	Channel 2	27500
10.803	V	emtv test	27500
10.803	V	Fox News	27500
10.803	V	iAD	27500
10.803	V	Israel 10	27500
10.803	V	Israel Plus	27500
10.803	V	Israeli Cinema	27500
10.803	V	ITV	27500
10.803	V	KIDS CHANNEL	27500
10.803	V	Nickeloden	27500
10.803	V	Playboy	27500
10.803	V	Testcard	27500
10.803	V	VIVA PLATINA	27500
10.803	V	Yes +	27500
10.803	V	Yes Docu	27500
10.803	V	Yes Stars	27500
10.803	V	Data services	27500
10.841	V	Baby	27500
10.841	V	Good life TV Network	27500
10.841	V	Hallmark Israel	27500
10.841	V	HOP!	27500
10.841	V	Jetix	27500
10.841	V	MGM	27500
10.841	V	Open Channel	27500
10.841	V	Russian Music Box	27500
10.841	V	Shabat Soccer	27500
10.841	V	Sky NEws	27500
10.841	V	Sport 5	27500
10.841	V	Viva Platina	27500
10.841	V	Yes 1	27500
10.841	V	Yes 2	27500
10.841	V	Yes 3	27500
10.841	V	Yes 4	27500
10.889	V	Abu-Dhabi	27500
10.889	V	Baby plus	27500
10.889	V	Bloomberg	27500
10.889	V	DVDbox	27500
10.889	V	DVDbox	27500
10.889	V	DVDbox	27500
10.889	V	DVDbox	27500
10.889	V	Fashion TV	27500
10.889	V	Fox Sport	27500
10.889	V	France 2	27500
10.889	V	Knesset	27500
10.889	V	MTV	27500
10.889	V	Reality TV	27500
10.889	V	Romantica	27500
10.889	V	The Egyptian Channel	27500
10.889	V	Yes India	27500
10.924	V	Aljazeera	27500
10.924	V	Canale 5	27500
10.924	V	DVDbox	27500
10.924	V	DVDbox	27500
10.924	V	DVDbox	27500
10.924	V	DVDbox	27500
10.924	V	GTV	27500
10.924	V	Jordan channel	27500
10.924	V	Karaoke Channel	27500
10.924	V	Mezzo	27500
10.924	V	NTV MIR	27500
10.924	V	Rotana	27500
10.924	V	Test RR sat	27500
10.924	V	The Adult channel	27500
10.924	V	TV5	27500
10.924	V	VH1	27500
11.432	V	FilmBOX	4500
11.432	V	Nonstop Kino	4500

INTELSAT 10-02
359.0 East (1.0 West)

INT10023

Freq GHz	Pol	Channel Name	Symbol rate
12.520	V	DR1 Syd	17500
12.520	V	DR2 Syd	17500
12.520	V	NRK1 Reserve	17500
12.520	V	TV Finland	17500
12.520	V	DR Klassisk Syd	17500
12.520	V	DR P1 Syd	17500
12.520	V	DR P2 Syd	17500
12.520	V	DR P3 Syd	17500
12.520	V	DR P4 KBH Syd	17500
12.520	V	NRK AN Reserve	17500
12.520	V	NRK P1 Reserve	17500
12.520	V	Scandinavian Satelli	17500
12.520	V	Ylesat 1	17500
12.520	V	Ylesat 2	17500
12.520	V	FLS Service 310x low	17500
12.520	V	RCS Map Service 310x	17500
12.527	H	Antena 3	27500
12.527	H	ATV	27500
12.527	H	Cartoon Network	27500
12.527	H	Duna TV	27500
12.527	H	Euforia TV	27500
12.527	H	Favorit TV	27500
12.527	H	Hallmark CE	27500
12.527	H	Romantica Ro	27500
12.527	H	Sport Klub HU	27500
12.527	H	Sport Klub RO	27500
12.527	H	Sport ro	27500
12.527	H	TVR2	27500
12.527	H	VH1	27500
12.527	H	InfoPRO	27500
12.527	H	Europa FM	27500
12.527	H	Guerrilla	27500
12.527	H	SW DL 1160	27500
12.563	H	4 Story Tv	27500
12.563	H	HBO 2	27500
12.563	H	HBO Hungaria	27500
12.563	H	Jetix CE	27500
12.563	H	M1	27500
12.563	H	M2	27500
12.563	H	Minimax	27500
●12.563	H	MTV Hungary	27500
12.563	H	Romantica Hu	27500
●12.563	H	Spektrum	27500
12.563	H	Sport 1	27500
12.563	H	Sport 2	27500
12.563	H	Viva Tv	27500
12.563	H	Juventus Radio	27500
12.563	H	Roxy Radio	27500
12.563	H	Radio Maria	27500
12.563	H	SW DL 1165	27500
12.563	H	SW DL 5160	27500
12.607	V	Analog Tv	27500
12.607	V	CMC	27500
12.607	V	DM SAT	27500
12.607	V	Galaksija	27500
12.607	V	Hbo Adria	27500
12.607	V	MTV Adria	27500
12.607	V	NOVA TV	27500
12.607	V	OBN	27500
12.607	V	Otvorena TV	27500
12.607	V	RTL Televizija	27500
12.607	V	RTS 1	27500
12.607	V	RTS 2	27500
12.607	V	Service	27500
12.607	V	Z 1	27500
12.607	V	A 1	27500
12.607	V	SW DL 3169	27500
12.607	V	SW DW Arion	27500
●12.643	H	Acasa	27500
12.643	V	Animal Planet CE	27500
●12.643	H	AXN	27500
●12.643	H	Cool TV	27500
●12.643	H	Film +	27500
12.643	V	Film + CE	27500
12.643	V	Film Box	27500
12.643	V	Galaxie Sport	27500
12.643	V	HBO CE	27500
●12.643	H	Hir TV	27500
12.643	V	Joj	27500
12.643	V	Markiza	27500
12.643	V	Music Box	27500
●12.643	H	National Geo	27500
12.643	V	Ocko	27500
●12.643	H	ProTV	27500
12.643	V	Reality CE	27500
●12.643	H	RTL Klub	27500
12.643	V	Spektrum CE	27500
12.643	V	TA 3	27500
●12.643	H	TV 2	27500
●12.643	H	Viasat 3	27500
●12.643	H	Viasat Explorer	27500
●12.643	H	DDTV	27500
12.643	V	Pratech	27500
●12.643	H	U	27500
●12.643	H	Sztar FM	27500
12.643	V	National FM	27500
●12.643	H	Radio 21	27500
●12.643	H	Radio S	27500
12.643	V	SW DL 1169	27500
●12.643	H	SW DL Digi+1	27500
12.687	H	B1 TV	27500
12.687	V	CT1	27500
12.687	V	CT2	27500
12.687	V	CT4_SPORT	27500
12.687	H	Etno	27500
12.687	H	EuroSport	27500
12.687	H	Jetix	27500
12.687	H	Kiss TV	27500
12.687	H	Minimax RO A+	27500
●12.687	H	Money Channel	27500
12.687	H	MTV Romania	27500
12.687	H	N 24	27500
12.687	H	National TV	27500
12.687	V	NOVA_CZ	27500
12.687	H	Prima TV	27500
12.687	V	PRIMA_CZ	27500
12.687	V	Pro Tv International	27500
12.687	H	Realitatea TV	27500
12.687	V	Romantica CE	27500
12.687	V	Sport1 SK-CZ	27500
12.687	V	STV 1	27500
12.687	V	STV 2	27500
12.687	V	TEST	27500
12.687	H	TVR1	27500
12.687	V	TVS Oradea	27500
12.687	V	CT24	27500
12.687	H	OTV	27500
12.687	H	SW DL 1120	27500
12.687	V	SW DL 3169	27500
12.722	H	Animal Planet	27500
12.722	H	Antena 1	27500
12.722	H	Cinemax	27500
12.722	H	Discovery Ch	27500
12.722	H	Discovery Civ	27500
12.722	H	Discovery Sci	27500
12.722	H	Discovery T&L	27500
12.722	H	Hallmark	27500
12.722	H	HBO Romania	27500
12.722	H	Private Spice	27500
12.722	H	Reality TV	27500
12.722	H	TV 1000	27500
12.722	H	Viasat History	27500
12.722	H	ProFM	27500
12.722	H	SW DL 1170	27500
●12.722	H	SW DL 5170	27500
●12.735	V	KTV-R-DUK	8800
●12.735	V	RTV21-RADIO21	8800
●12.735	V	RTV21 PLUS	8800

INT1002G

Freq GHz	Pol	Channel Name	Symbol rate
● 4.025	R	BBC Afr Feed 1	7323
● 4.025	R	BBC Afr Feed 2	7323
● 4.025	R	BBC Afr Feed 3	7323
● 4.025	R	BBC Afr Feed 4	7323
● 4.025	R	BBC Afr Feed 5	7323
● 4.025	R	BBC Afr Feed 6	7323
● 4.025	R	BBC Afr Feed 7	7323
● 4.025	R	BBC Afr Feed 8	7323
● 4.025	R	BBC Arabic	7323
● 4.025	R	BBC Dari	7323
● 4.025	R	BBC English (E Af.	7323
● 4.025	R	BBC English (Europe)	7323
● 4.025	R	BBC English (W Af.	7323
● 4.025	R	BBC English Mid-Ea	7323
● 4.025	R	BBC English News	7323
● 4.025	R	BBC Farsi	7323
● 4.025	R	BBC French	7323
● 4.025	R	BBC Hausa	7323
● 4.025	R	BBC Pashto	7323
● 4.025	R	BBC Portuguese	7323
● 4.025	R	BBC Somali	7323
● 4.025	R	BBC Swahili	7323
● 4.175	R	AFN Family	28000
● 4.175	R	AFN Freedom	28000
● 4.175	R	AFN Movie	28000
● 4.175	R	AFN News	28000
● 4.175	R	AFN Prime Atlantic	28000
● 4.175	R	AFN Prime Pacific	28000
● 4.175	R	AFN Spectrum	28000
● 4.175	R	AFN Sports	28000
● 4.175	R	AFN Xtra	28000
● 4.175	R	Atlantic 2	28000
● 4.175	R	Atlantic 3	28000
● 4.175	R	Atlantic 4	28000
● 4.175	R	Atlantic 5	28000
● 4.175	R	Atlantic 6	28000
● 4.175	R	Atlantic 7	28000
● 4.175	R	Atlantic 8	28000
● 4.175	R	Atlantic 9	28000
● 4.175	R	Engineering Channel	28000
● 4.175	R	Adult Rock	28000
● 4.175	R	Adult Rock	28000
● 4.175	R	AFN Back-up for A	28000
● 4.175	R	AFN Back-up to AFN	28000
● 4.175	R	AFN Back-up to AF	28000
● 4.175	R	AFN Program Guide	28000
● 4.175	R	AFN Radio Variable	28000
● 4.175	R	Backhaul from Baghda	28000
● 4.175	R	Backhaul to Japan	28000
● 4.175	R	Bright AC	28000
● 4.175	R	Bright AC	28000
● 4.175	R	Contingency (Closed	28000
● 4.175	R	ESPN Plus	28000
● 4.175	R	Fox Sports Talk	28000
● 4.175	R	Hot AC	28000
● 4.175	R	Interruptable Voice	28000
● 4.175	R	Mainstream Country	28000
● 4.175	R	NPR International	28000
● 4.175	R	Oldies	28000
● 4.175	R	SMPTE Time Code	28000
● 4.175	R	The Pentagon Channel	28000
● 4.175	R	The Touch	28000
● 4.175	R	U/I Split /UIVoice	28000
● 4.175	R	Uninterruptable Voic	28000
● 4.175	R	Z-Rock (ABC Altern	28000

INT1002S

Freq GHz	Pol	Channel Name	Symbol rate
● 3.855	R	RTG 1	10000
● 3.855	R	RTG 2	10000
● 3.855	R	TV+	10000
● 3.977	R	BTV	17777
● 3.977	R	NBCTV	17777
● 3.977	R	1kHzTone	17777
● 3.977	R	CH 7/ OMULUNGA	17777
● 3.977	R	CH7 OWA L	17777
● 3.977	R	ENERGY/WAVE	17777
● 3.977	R	FREE 10	17777
● 3.977	R	FREE 8	17777
● 3.977	R	FREE 9	17777
● 3.977	R	GER/OVA	17777
● 3.977	R	HER/DN	17777
● 3.977	R	KOSMOS(L)	17777
● 3.977	R	NATIONAL	17777
● 3.977	R	OKC/TSWANA	17777
● 3.977	R	RAD99/KUDU	17777
● 3.977	R	REMsw	17777
● 3.977	R	RUK/LOZI	17777
● 3.977	R	SABA	17777
● 3.977	R	DTT	17777

THOR 2,3
359.2 East (0.8 West)

THO002KU

Freq GHz	Pol	Channel Name	Symbol rate
11.216	V	Barnkanalen	24500
11.216	V	Kunskapskanalen	24500
11.216	V	SVT Extra	24500
11.216	V	SVT1	24500
11.216	V	TV4	24500
11.216	V	TV4 Fakta	24500
11.216	V	TV4 Film	24500
11.216	V	TV4 plus	24500
●11.216	V	TV4 Sport	24500
11.216	V	TV400	24500
11.216	V	ScrTxt	24500
11.247	V	TV 2 Filmkanalen	24500
11.247	V	TV 2 Nyhetskanalen	24500
11.247	V	TV 2 Sport	24500
11.247	V	TV 2 Zebra	24500
11.247	V	BTV-1	24500
11.247	V	On Satellite	24500
11.247	V	Swedbank	24500
11.247	V	Visjon Norge	24500
11.247	V	FLS Service T2CH3	24500
●11.247	V	RCS Map Service T2	24500
●11.247	V	Sagem PVR Loader 2	24500
●11.261	H	CANAL 69	24500
●11.261	H	CANAL+ ACTION	24500
●11.261	H	CANAL+ SPORT 2	24500
●11.261	H	CANAL+ SPORT EXTR	24500
●11.261	H	DiTV	24500
●11.261	H	Silver	24500
●11.261	H	TV 2 Sport 2	24500
●11.261	H	TV 2 Sport 3	24500
11.309	V	Cartoon Network	24500
11.309	V	CNBC Europe	24500
11.309	V	Hallmark	24500
11.309	V	Hlm_Jtx	24500
11.309	V	Kanal 5	24500
11.309	V	Kanal 5 (DK)	24500
11.309	V	Nat Geo Channel	24500
11.309	V	Nordic TCM	24500
11.309	V	TCM_Cartoon	24500
11.309	V	VH1	24500
11.309	V	_PMT 1	24500
11.309	V	Jetix	24500
11.325	H	BBC Prime	24500
11.325	H	Bloomberg	24500
●11.325	H	FEM	24500
11.325	H	History Channel	24500
11.325	H	Showtime	24500
11.325	H	St-Sh TS	24500
11.325	H	Star	24500
11.325	H	BBC World	24500
11.325	H	Gospel Channel Europ	24500
11.325	H	Telenor SE	24500
●11.341	V	Silver HD	25000
11.341	V	svt-hd old	25000
●11.341	V	Test HD	25000
●11.341	V	TV4 HD	25000
●11.357	H	Blue Hustler	24500
11.357	H	Disney Channel	24500
11.357	H	Kanal 4 DK	24500
11.357	H	MTV (D)	24500
11.357	H	MTV (F)	24500
11.357	H	MTV (S)	24500
11.357	H	Voice (DK)	24500
11.357	H	Voice (NO)	24500
11.357	H	Voice (SE)	24500
11.357	H	Toon Disney	24500
●11.372	V	NRK Super / NRK3	24500
11.372	V	NRK1	24500
11.372	V	NRK1 Midtnytt	24500
11.372	V	NRK1 Møre & Romsdal	24500
11.372	V	NRK1 Nordland	24500
11.372	V	NRK1 Nordnytt	24500
11.372	V	NRK1 Rogaland	24500
11.372	V	NRK1 Sørlandet	24500
11.372	V	NRK1 Vestlandsrevyen	24500
11.372	V	NRK1 Østafjells	24500
11.372	V	NRK1 Østfold	24500
11.372	V	NRK1 Østnytt	24500
11.372	V	NRK2	24500
11.372	V	NRK1 Tegnspråk	24500
11.372	V	NRK Folkemusikk	24500
●11.372	V	NRK Gull	24500
11.372	V	NRK Klassisk	24500
11.372	V	NRK mP3	24500
11.372	V	NRK Nyheter	24500
11.372	V	NRK P1	24500
11.372	V	NRK P2	24500
11.372	V	NRK P3	24500
11.372	V	NRK Sami Radio	24500
11.372	V	NRK Stortinget	24500
●11.372	V	NRK Super	24500
11.372	V	NRK Været til sjøs	24500
●11.372	V	NRK Ekstra	24500
●11.389	H	CANAL+ FILM HD	24500
●11.389	H	Aftonbladet TV7	24500
●11.389	H	DiTV	24500
●11.389	H	DTV2(Cable)	24500
●11.389	H	Kanal 9	24500
●11.389	H	TV-biljett 4	24500
●11.389	H	TV-biljett 5	24500
●11.389	H	St-Sh TS PMT	24500
11.403	V	DR Update	24500
11.403	V	DR1	24500
11.403	V	DR1 MHP	24500
11.403	V	DR2	24500
11.403	V	DR2 MHP	24500
11.403	V	RUV	24500
11.403	V	TV2 Charlie	24500
11.403	V	TV2 Film	24500
11.403	V	LifeStyleTV	24500
11.403	V	DR Klassisk	24500
11.403	V	DR P1	24500
11.403	V	DR P2	24500
11.403	V	DR P3	24500
11.403	V	DR P4 København	24500
11.403	V	RUV Ras 1	24500
11.403	V	RUV Ras 2	24500
11.403	V	Event Kanal DK	24500
11.403	V	HanLoad1	24500
●11.421	H	CANAL+ SPORT HD	25000
11.421	H	CANAL+ FILM HD	25000
●11.421	H	SVT HD	25000
●11.421	H	TV4 HD	25000
●11.434	V	Nat Geo HD	25000
●11.434	V	Voom HD	25000
●11.434	V	Discovery HD	25000
12.380	V	Acasa	28000
12.380	V	Animal Planet	28000
12.380	V	Antena 3	28000
12.380	V	AXN	28000
12.380	V	Cartoon Network/TCM	28000
12.380	V	Cinemax	28000
12.380	V	CNN	28000
12.380	V	HBO	28000
12.380	V	Kiss TV	28000
12.380	V	National Geographic	28000
12.380	V	Pro Cinema	28000
12.380	V	Pro TV	28000
12.380	V	Pro TV International	28000
12.380	V	Sport.ro	28000
12.380	V	VH1	28000
●12.380	V	Activ FM	28000
12.380	V	Itsy Bitsy FM	28000
12.380	V	Kiss FM	28000
12.380	V	Magic FM	28000
12.380	V	Radio Guerrilla	28000
12.380	V	Radio Romania Muzica	28000
12.380	V	Radio Timisoara	28000

THO003KU

Freq GHz	Pol	Channel Name	Symbol rate
11.823	H	BGTV	28000
●11.823	H	Chance TV	28000
●11.823	H	MM	28000
11.823	H	Party TV	28000
11.823	H	RodinaTV	28000
11.823	H	Speranta TV	28000
●11.823	H	Test	28000
11.823	H	Tiankov TV	28000
11.823	H	Travel TV	28000
11.823	H	Radio Vocea Sperante	28000
12.149	V	Antena 2	28000
12.149	V	B1 TV	28000
12.149	V	Discovery	28000
12.149	V	Discovery Science	28000
12.149	V	Discovery Travel	28000
12.149	V	Euforia Lifestyle	28000
12.149	V	Extreme Sports	28000
12.149	V	Kanal D	28000
12.149	V	MGM	28000
12.149	V	N24	28000
12.149	V	Reality/BlueHustler	28000
12.149	V	Sport Klub	28000
12.149	V	Sport1	28000
12.149	V	Viasat Explorer/Club	28000
12.149	V	Viasat History	28000
12.149	V	60's	28000
12.149	V	Bass, Breaks & Beats	28000
12.149	V	Chansons	28000
12.149	V	Chillout	28000
12.149	V	Classic RnB & Soul	28000
12.149	V	Classsical Greats	28000
12.149	V	Jazz Classic	28000
12.149	V	Rock Anthems	28000
12.149	V	Rock'n'Roll Era	28000
12.149	V	Total Hits Italy	28000
12.149	V	Total Hits UK	28000
12.169	H	Diema 2	28000
12.169	H	Diema Family	28000
12.169	H	Diema+	28000
12.169	H	MSAT	28000
12.169	H	Planeta TV	28000
12.169	H	City TV	28000
12.169	H	CTN TV	28000
12.169	H	DKTE	28000
12.169	H	Heros TV	28000
12.169	H	SKAT	28000
12.169	H	Telestar TV	28000
●12.169	H	Alpha Radio	28000
12.169	H	BG Radio	28000
12.169	H	ENERGY	28000
12.169	H	Focus Pirin	28000
12.169	H	Focus V Tarnovo	28000
12.169	H	Focus Varna	28000
12.169	H	Info Radio	28000
12.169	H	Njoy	28000
12.169	H	OMV ROMANIA	28000
12.169	H	Radio 1	28000
12.169	H	Radio City	28000
12.169	H	Radio City 2	28000
12.169	H	Radio FM+	28000
12.169	H	Radio Fresh	28000
12.169	H	Radio Mila	28000
12.169	H	Test Radio	28000
12.169	H	Z-ROCK	28000
12.226	V	ESPN Classic	28000
12.226	V	Extreme Sports	28000
12.226	V	HustlerTV	28000
●12.226	V	KinoTV	28000
12.226	V	NASN	28000
12.226	V	TV 2 Sport 4	28000
12.226	V	TV 2 Sport 5	28000
12.226	V	TV8	28000
12.226	V	Hallo Norge	28000
12.226	V	Scandinavian Satelli	28000
12.246	H	Antena 1	28000
12.246	H	Favorit TV	28000
12.246	H	Hallmark	28000
12.246	H	Hustler TV	28000
12.246	H	Minimax	28000
12.246	H	MTV Romania	28000
12.246	H	National TV	28000
12.246	H	Prima TV	28000
12.246	H	Realitatea TV	28000
12.246	H	Romantica	28000
12.246	H	Telesport	28000
12.246	H	TVR 1	28000
12.246	H	TVR 2	28000
12.246	H	TVR Cultural	28000
12.246	H	FocusSat TV	28000
12.246	H	SW_DL	28000
12.303	V	24	27800
12.303	V	24 GävledalaNytt	27800
12.303	V	24 MittNytt	27800
12.303	V	24 NordNytt	27800
12.303	V	24 SmålandsNytt	27800
12.303	V	24 SydNytt	27800
12.303	V	24 TvärsNytt	27800
12.303	V	24 VärmlandsNytt	27800
12.303	V	24 VästerbottenNytt	27800
12.303	V	24 VästNytt	27800
12.303	V	24 ÖstNytt	27800
12.303	V	SVT2	27800
12.303	V	SVT2 Gävle	27800
12.303	V	SVT2 Gävledala	27800
12.303	V	SVT2 Jämtland	27800
12.303	V	SVT2 Jönköping	27800
12.303	V	SVT2 MittNytt	27800
12.303	V	SVT2 NordNytt	27800
12.303	V	SVT2 SmålandsNytt	27800
12.303	V	SVT2 SydNytt	27800
12.303	V	SVT2 TvärsNytt	27800
12.303	V	SVT2 VärmlandsNytt	27800
12.303	V	SVT2 VästerbottenNyt	27800
12.303	V	SVT2 VästNytt	27800
12.303	V	SVT2 ÖstNytt	27800
12.322	H	TV 2 Norge	27800
12.322	H	AlJazeera English	27800
●12.322	H	JIM	27800
12.322	H	Playhouse Disney	27800
12.322	H	Rikstoto Direkte	27800
●12.322	H	SubTV	27800
12.322	H	TVNorge	27800
12.322	H	DUEN RADIO	27800
12.322	H	KANAL 24	27800
12.322	H	P4	27800
12.322	H	Radio Paris Oslo	27800
12.322	H	HanLoad	27800
12.399	H	CCTV-9	28000
12.399	H	FM-TV	28000
12.399	H	Moore Networks	28000
12.399	H	Nautik	28000
12.399	H	Toto-TV	28000
●12.399	H	TV 5 MONDE	28000
12.399	H	TV Patriot	28000
12.399	H	KISS	28000
●12.399	H	01 81 01 20	28000
12.399	H	Digiality Bootload	28000
12.399	H	Force Bootload	28000
●12.399	H	Grundig DSR PVR Lo	28000
12.399	H	HanDan Loader	28000
●12.399	H	Kjaerulff 1422 PVR L	28000
12.399	H	LOADER	28000
●12.399	H	Sagem PVR Loader	28000
12.399	H	TeVeVision	28000
12.399	H	Triax bootload	28000
12.456	V	Blues	28000
12.456	V	Classic Rock	28000
12.456	V	Classical Calm	28000
12.456	V	Classical Greats	28000
12.456	V	Classical Orches	28000
12.456	V	Coctail Lounge	28000
12.456	V	Country Stars	28000
12.456	V	Dance Floor	28000
12.456	V	Discov Civil	28000
12.456	V	Discov Science	28000
12.456	V	Discov Tra&Liv	28000
12.456	V	DTV2(Cable)	28000
12.456	V	Jazz Classics	28000
12.456	V	Just Chill Out	28000
12.456	V	Motors TV	28000
12.456	V	Nick-VH1C TS	28000
12.456	V	Nickelodeon	28000
12.456	V	Rock Anthems	28000
12.456	V	Sky News	28000
12.456	V	Soul Classics	28000
12.456	V	Strictly 60s	28000
12.456	V	The Alternative	28000
12.456	V	Total Hits	28000
12.456	V	Total Hits Italy	28000
12.456	V	Total Hits Nordi	28000
12.456	V	Urban	28000
12.456	V	VH1 Classic	28000
12.456	V	World Carnival	28000
12.456	V	Xmas & Kids	28000
12.456	V	EPG3 OTA	28000
12.456	V	EPG3 Resup	28000
12.476	H	Eurosport	27800
12.476	H	Eurosport 2	27800
●12.476	H	TV-biljett 1	27800
●12.476	H	TV-biljett 2	27800
●12.476	H	TV-biljett 3	27800
12.476	H	TV4 Guld	27800
12.476	H	TV4 Komedi	27800

Freq GHz	Pol	Channel Name	Symbol rate

TV Digital | **Radio** Digital | **TV** Digital Crypt | **Radio** Digital Crypt | **TV** High Definition | **TV** High Definition Crypt | **Data** Channel | **TV** Analog | **Radio** Analog

Impression from South Africa

This palm tree grew rather perfectly, didn't it?

Only upon closer examination can you tell that this is a cell phone tower. Nestled within the artificial palm branches is a barely noticeable directional dish

TELE-satellite's Global Distribution

Online Readers Turkish Edition

Source: Google Analytics

Geographical Distribution of TELE-satellite Readership

Readership in descending order:
Istanbul
Ankara
Izmir
Adana
Bursa
Antalya
Diyarbakir
Samsun
Erzurum
Kayseri
Izmit
Mugla
Balikesir
Aydin
Eskisehir
Icel
Brussels
Konya
Manisa
Trabzon
Frankfurt am Main
Oslo
Adapazari
Gaziantep

TELE-satellite Turkish Edition
Grand Total Worldwide:
8157 Unique Readers

TELE-satellite Magazine is published in 16 languages and distributed all over the world. The map shows readership of Turkish edition of TELE-satellite Magazine.
Subscription information see page 64 in this edition.

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Belgium: AMP
Bulgaria: Tel-Sat
Croatia: Distriest doo
Estonia: AS Lehepunkt
Finland: Rautakirja Oy Lehtipiste
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Greece: Hellenic Distribution Agency
Greece: Evropi SA
Macedonia: Distriest doo
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UK: Sat-Europa

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