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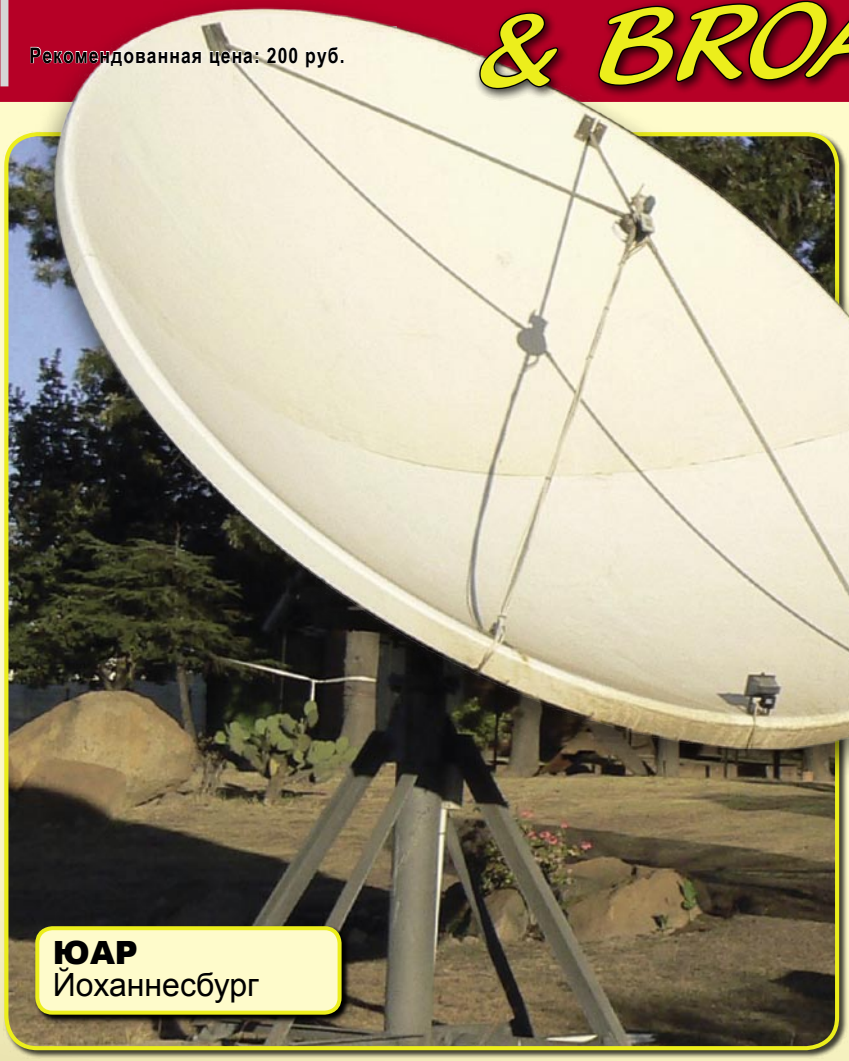

ЮАР
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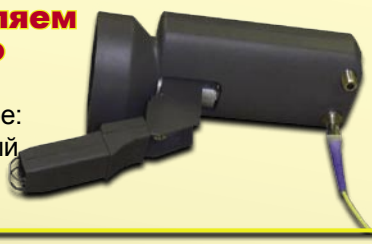
Тестируем
Nanoxx 9600 IP
Сетевой интерфейс открывает совершенно новый мир

Тестируем
AB IPBox 350Prime PVR
Сверхбыстрое переключение каналов

Представляем компанию
INVACOM
Впервые в мире: оптоволоконный конвертер



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Уважаемые читатели!

В этом выпуске ТЕЛЕ-СПУТНИКА мы впервые присуждаем приз журнала «Телеспутник» за инновационные решение и впервые это присуждается в разделе программного обеспечения. Если Вы полностью прочтёте этот выпуск, Вы быстро выясните, что это решение будет присуждено недавно разработанному по оптической технологии LNB конвертору со стекловолокном.

Является ли это действительно новшеством? Возможно, любой предмет назвать просто новинкой, просто потому, что он никогда не существовал прежде.

Возможно, да, возможно и нет.

Только что написанное программное обеспечение, рассмотренное в этом выпуске и недавно разработанный LNB, это не просто новинки. Это - намного больше, это комбинация двух существующих технологий, которая привела к чему-то совершенно новому. Программное обеспечение, для вычисления азимута и возвышения было доступно уже давно, теперь также в течение нескольких лет существует сервис Google Maps. Но объединение двух вещей вместе это - новинка. То же самое применительно и к LNB конвертору со стекловолокном. Эти технологии известны, но не были совмещены, совместите их вместе и Вы получите что-то новое.

Особенность этого типа новшества – реализация. "Странно, почему я не думал об этом? " Оказывается, есть смысл связывать эти технологии вместе. Удивительно, что никто прежде не придумал это или, возможно лучше сказать, к настоящему времени никто не сделал дополнительный шаг и не преобразовал эти идеи в действительность. То есть, конечно, только до этого момента.

Спутниковая технология всегда обеспечивает возможность связать две технологии вместе. Ознакомьтесь с приемником с функцией PVR это – не более чем комбинация стандартного спутникового приемника и жесткого диска. Сегодня это – общепринято, но когда первый приёмник с функцией записи появился на рынке, это было новшеством. Даже DiSEqC протокол – новаторство, сегодняшний спутниковый прием не возможен без него. Первоначально эта идея была новшеством, так как никто не думался до этого ранее.

По этой причине, журнал присудил приз журнала «Телеспутник» инновационному оборудованию, так же как и программному обеспечению, чтобы выдвинуть на первый план то факт, что кое-что новое нашло свой путь к рынку, который не существовал прежде. Мы надеемся быть в состоянии дать это вознаграждение в максимально возможной степени!

Искренне ваш , Alexander Wiese.

P.S.: Моя любимая радиостанция месяца: "Six Music", радиоканал БИ-БИ-СИ #6 из Англии на ASTRA 2A 28.2 (11.954 H, Аудио 5413) с непрерывной музыкой, новыми DJ каждые три часа и очень небольшой саморекламой.

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- support for HDD with unlimited size
- Smartcard reader (X-Crypt CAS, Firecrypt CAS)
- Ethernet 10/100 for connection with PC
- RS 232, software upgrade via Internet
- black or silver edition

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With the Timeshift function that is provided only by Linux-based receivers AB IPBox 350S Prime PVR you are able to pause, play reverse or see again any watched TV show. Thanks to this function you can even record already fi nished programs, till 120 minutes backwards. Timeshift function is perfect for skipping adverts, just activate the function in the beginning of the program and wait some minutes for starting watching. Then you can simply skip adverts and continue watching the program.

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 350S 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.

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- Optical digital output

BLU FOX CI

blucom ENTAVIO

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- interactive services via mobile phone by Bluetooth
- 1x CI Slot
- Optical digital output

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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

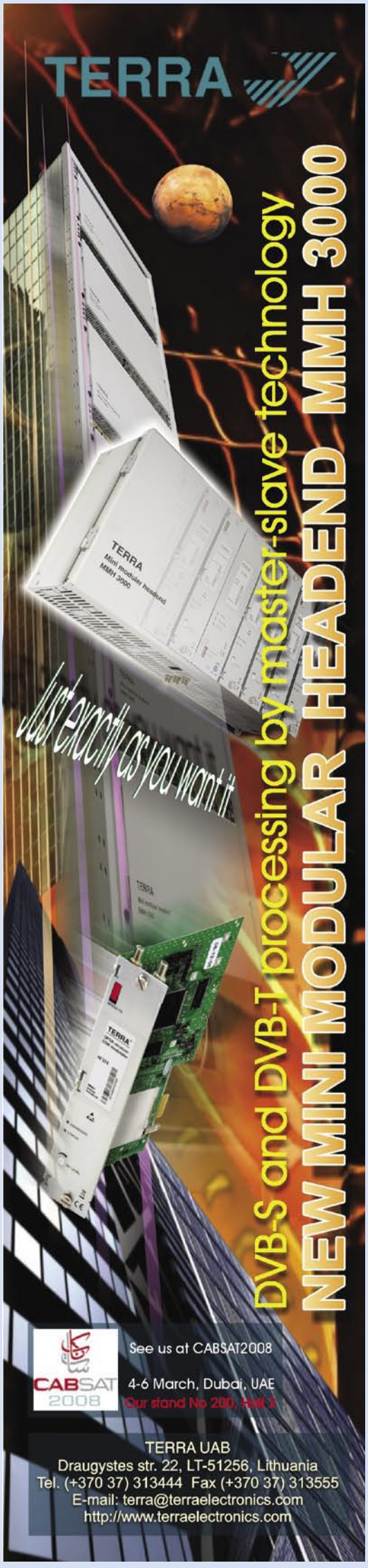
Latens has been selected by United Arab Emirates (UAE) telco du to secure its new IPTV service. Latens is to protect the Motorola IPTV set-top boxes deployed by du, and the contract will see Latens' conditional access rolled out in the fourth quarter of 2007. du has now registered over 500,000 customers 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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Размер антенны относительно ЭИИМ

Jacek Pawlowski

Вам не надо быть заядлым любителем DX-приема, чтобы задаваться следующим вопросом: «Могу ли я принимать сигнал того или иного транспондера с того или иного спутника в конкретной местности ?» Этот вопрос становится особенно важным, если Вы хотите установить антенну с поворотным устройством. Ваша антенна будет принимать сигналы со многих спутников, некоторые из них будут приниматься без проблем, остальные же – гораздо хуже или не будут приниматься вообще. Вы неизбежно начнете изучать карты покрытия различных спутников и их лучей. И скоро заметите, что на некоторых картах указан минимально необходимый размер антенны для приема, на других же – нечто, обозначаемое ЭИИМ.

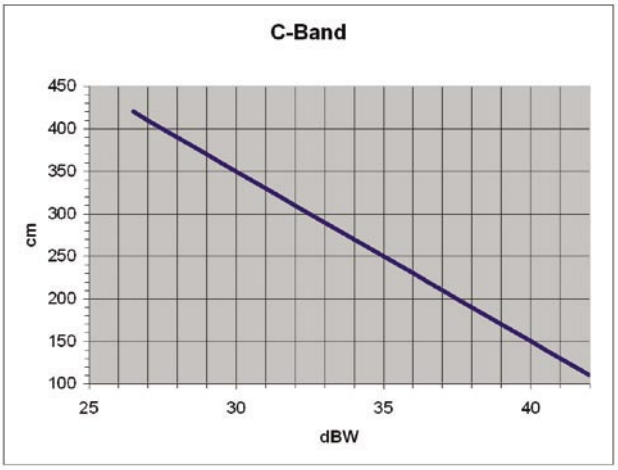


Рис.1. Размер антенны относительно ЭИИМ для C-диапазона

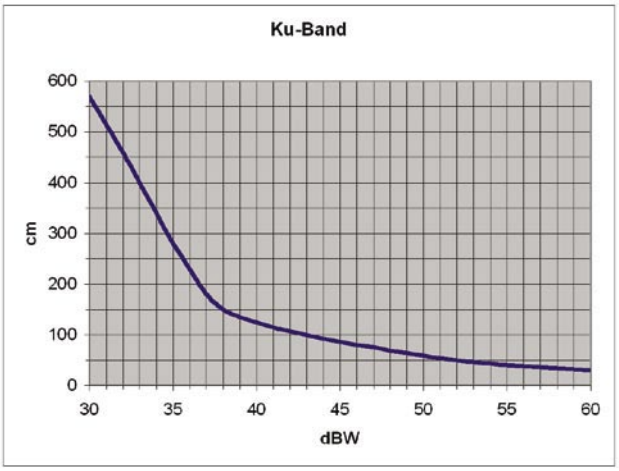


Рис.2. Размер антенны относительно ЭИИМ для Ku-диапазона

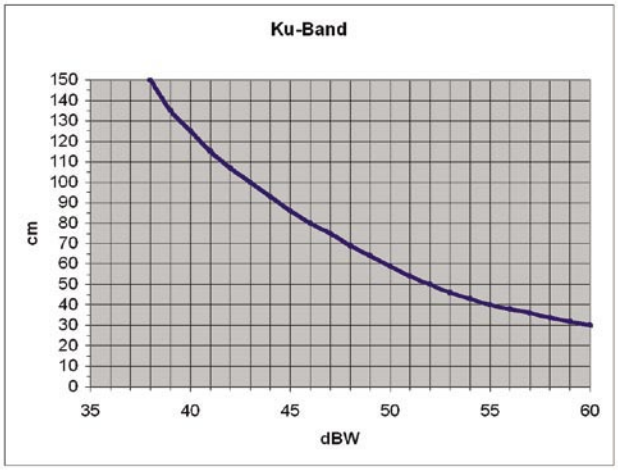


Рис.3. Размер антенны относительно ЭИИМ для Ku-диапазона

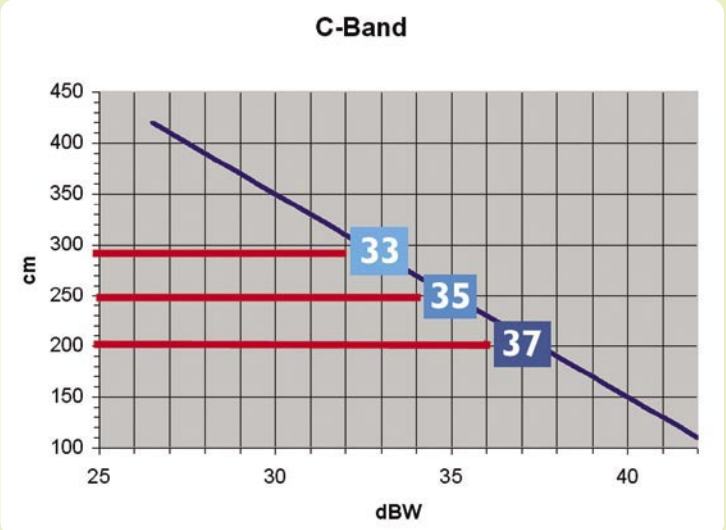
ЭИИМ – эффективная изотропная излучаемая мощность. Данное значение получается из мощности транспондера и коэффициента усиления антенны (P x G). Чем выше ЭИИМ, тем более сильный сигнал будет попадать на Вашу антенну, и тем меньшего диаметра потребуется антенна для приема. Если зона покрытия незначительна, коэффициент усиления антенны больше и ЭИИМ велика. В случае очень широких лучей, значение G меньше и ЭИИМ не может быть большой. Высчитать соответствующие ЭИИМ размеры антенн несложно, достаточно ознакомиться с рис. 1-3. Рис.3 – увеличенный вариант рис.2, благодаря этому графику можно с легкостью найти необходимый размер антенн для наиболее распространенных вариантов в Ku-диапазоне. При составлении графиков предполагалось, что используется конвертер C-диапазона 20 K, Ku-диапазона – 0.6 дБ. Если же у Вас более чувствительный конвертер, например, 0.3 дБ для Ku-диапазона, Вы можете уменьшить требуемый размер антенны на несколько процентов. Например, при ЭИИМ=48 дБ, вместо 70-сантиметровой антенны при конвертере 0.6 дБ, можно использовать антенну 65 см с конвертером 0.3 дБ.

Порой можно услышать, что кто-то принимает сигнал на меньшую антенну, нежели показано на графике для конкретной ЭИИМ. Такое возможно потому, что иногда сигнал со спутника чуть сильнее, чем заявлено на карте покрытия. Поэтому не спешите с выводами об ошибочности графиков.

Теперь Вы можете с легкостью определить требуемый размер антенны, просто ознакомившись с картами покрытия от SatcoDX, и совместив указанные там значения ЭИИМ с графиками в данной статье.

Как читать карты покрытия SatcoDX

Сперва обратите внимание на диапазон. В данном случае – диапазон C. Потом посмотрите, где на карте находится местность, в которой установлена антенна. Предположим, что во внешней зоне, обозначенной 33 дБВ. Обратим внимание на рис.1 в данной статье. 33 дБВ – это 280 см, 35 дБВ – 250 см, а 37 дБВ – 210 см.



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INDONESIA

Topfield TF7700 HDPVR

Лидер Домашнего Мультимедиа

Иногда случается так, что изменения происходят настолько быстро, что это удивило даже нас! В то время как мы представили Вам, ресивер Topfield HDPVR с одним тюнером в последнем выпуске TELE-СПУТНИКА, то в этом выпуске у нас есть возможность представить первый ресивер Topfield TF7700 HDPVR с двумя тюнерами. Этот приемник был спроектирован и произведен Южнокорейской компанией Topfield. Мы всегда ожидаем каких - нибудь различий? Этот производитель, так или иначе, всегда умеет внедрить самую последнюю технологию в повседневное и легкое использование концепцию новаторства в их приемниках.

Мы были несколько взволнованы, когда автомобиль по доставке товаров привёз посылку из Южной Кореи.

Скрытые внутри коробки приемник и пульт дистанционного управления, при осмотре произвели на нас впечатление явной элегантности и превосходного качества.

На лицевой стороне черного - серебристого корпуса "легко читаемый" VFD (диодно-матричный) дисплей расположен в центре. Ниже расположены, пять кнопок, что даёт Вам возможность, управлять приемником, даже если по близости отсутствует ПДУ. К сожалению, если в ПДУ батареи отсутствуют или разряжены, этими кнопками, возможно, управлять, но не более чем включить /выключить ресивер или отрегулировать громкость и переключить канал.

Приятно скрытые позади откидной фальшпанели два слота для модулей условного доступа являются, интегрированным решением Topfield в TF7700 HDPVR. Они совместимы любым модулем условного доступа Irdeto, Seca, Viaccess, Conax, Alphacrypt, и т.д. Непосредственно рядом с этими слотами легко найти интерфейс USB 2.0 , который может использоваться, чтобы связать приемник с устройств типа USB брелков, жестких дисков, а также цифровых камер и MP3 проигрывателей.

Задняя панель этого нового приемника Topfield также очень приятно скомпонована:

Она имеет два IF входа приёмных блоков с передачей сигнала через петлю, имеется также HDMI разъем, шесть RCA разъёмов для компонентного видеосигнала, выход стерео звука и YUV видеосигнала, выход S-видеосигнала, два соединителя Scart , последовательный интерфейс RS-232 и выход оптического цифрового звука, также есть интерфейс для домашней вычислительной сети (LAN).

HDTV Reception / Info Bar

Все рассматриваемые предметы, действительно на месте, ничего не пропущено.

Пульт Дистанционного управления лежит в вашей руке очень приятно вместе с кнопками, которые эффективно устроены, позволяя их использовать легко, чтобы приятно "играть" с этим приемником. Хорошо - написанное руководство пользователя имеет многочисленные иллюстрации, которые дают возможность простому пользователю, погрузится в мир Topfield TF7700 HDPVR без того, чтобы перелистывать сотню страниц при первом знакомстве.

Повседневное Использование

Поскольку мы знаем, чего ожидать от Topfield TF7700HD-PVR при установке, то изготовитель не добавил «помощника по настройке», а внедрил логическое и удобное для пользователя понятие - дружественности к пользователю. После первого включения ресивер приглашает пользователя непосредственно в главное меню, из которого могут быть предприняты все начальные установки.

Особенно важным для приемника, который будет вероятнее всего использоваться с LCD или плазменным телевизором, является естественно HDMI выход и, прежде всего видео формат, который будет использоваться. Руководство Пользователя ясно объясняет различия и подготавливает пользователя, к использованию единственной кнопки на дистанционном управлении, которой видео формат может быть изменен, если на экране не появилось никакого изображения. Приемник поддерживает все стандарты Разрешения, включая 576i, 576p, 720p и 1080i. Исходя из указанного, использование 1080i было бы конечно предпочтительно.

TF77000 HDPVR - приемник, который предназначен для международного рынка, из меню графического интерфейса он имеет обширный выбор

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доступных языков в дополнение к Немецкому, Английскому, Французскому, Итальянскому, Испанскому, имеется Турецкий, Датский, Шведский, Норвежский, Голландский, Польский, Финский и Венгерский также доступен. Экран управления Системой также приглашает пользователя, к выбору необходимого стандарта цветности для Scart соединителей, а так же предпочтительного формата изображения.

В принципе, этот приемник был разработан и запрограммирован для видеосигнала формата 16:9, но, к сожалению, имеется ряд вещателей, которые все еще вещают в формате 4:3 по финансовым причинам.

К счастью, приемник имеет два различных режима визуального отображения: полноэкранный и "сосредоточенный в центре". Если переключение в формат "сосредоточенный в центре" более интересен для владельцев LCD телеприемников имеющих формат отображения 4:3, он обеспечивает чёрный фон слева и справа от изображения видеосигнала, то "полноэкранный" режим предпочтителен для пользователей плазменных телеприемников, так как с давних пор имеется опасность того, что чёрный фон слева и справа от изображения на краях изображения видеосигнала мог бы мерцать при отображении.

В "полноэкранном" режиме отображения видеосигнал занимает весь экран и таким образом предотвращает повреждение телеприемника. Звуковой сигнал может быть выведен также в цифровом PCM формате вещаемого потока.

Начальные установки TOPFIELD TF7700 HDPVR полностью приспосабливают приемник с двумя тюнерами к HDTV технологии и приёму телевизионного сигнала в стандарте высокого качества, следующий шаг приглашает Вас непосредственно в меню Установки к тому, чтобы все внешние связи могли быть настроены в приемнике.

Topfield TF7700 имеет два тюнера, которые могут принимать каналы, в формате DVB-S и DVB-S2 также как в QPSK и 8PSK формате. Изготовитель поместил предварительно запрограммированный список 145 (!) спутников, главным образом актуализировав их новейшими данными о транспондерах. За исключением HOTBIRD 13° в.д. и NILESAT 7° з.д., список сортируется в алфавитном порядке, это происходит очень просто для поиска нужного спутника. В дополнение к доступу к различным спутниковым позициям посредством DiSEqC 1.0, доступ может также быть выполнен с помощью DiSEqC 1.1 для управления не более 16 LNBS , а так же по протоколу управления мотоподвесами DiSEqC 1.2 и 1.3 (USALS). Этот приёмник по существу был разработан, для того чтобы принимать два независимых спутниковых сигнала, но, если этого не нужно или это не возможно, одиночный источник сигнала работает как обычно. Вход второго тюнера просто нагружается сигналом первого, делая петлю через первый тюнер. Через меню Установки в приёмнике нужно разрешить выполнение записи, после чего можно использовать запись и управлять функциями записи полноценно.

дать от Topfield, автоматического поиска каналов, то оказалось, что этот метод сканирования не был единственным, доступны и другие расширенные способы поиска каналов, что позволяет Вам вводить не только частоту, скорость потока, поляризацию и модуляцию, но также и правильные PID`s. Как всегда, любители дальнего спутникового приёма (sat-DX-иксисты) поблагодарят Topfield за эту возможность.

Если у Вас нет потребности в просмотре платных каналов, несмотря на наличие двух шахт для установки модулей условного доступа (CAM CI) , простым нажатием кнопки, в том же самом меню производится ограничение при поиске только свободно доступных каналов. (FTA)

Если Вы будете использовать этот терминал, для приёма каналов с различных спутников, Вы можете испытывать неудобство, так как в памяти приемника имеется место только для 5000 каналов.

После сканирования каналов с различных спутников, список каналов нашего испытательного приемника был совершенно заполнен вновь найденными общедоступными FTA каналами

поименованный пользователем список, фаворитные каналы вносятся в список для простого вызова в более позднее время, нажатием соответствующей кнопки на пульте дистанционного управления.

Для фанатов порядка или для всех тех, кто думает, что слишком много работы, чтобы сортировать список каналов непосредственно через приемник, Topfield предлагает маленькую утилиту по имени VEGA (Ver. 2.34) по адресу технической поддержки (www.i-topfield.com), используя, ее Вы получите много функций редактирования на вашем персональном компьютере.

К сожалению, в настоящее время есть только один способ получения списка каналов на персональный компьютер, через RS-232 порт, используя нуль-модемный кабель. Обнадеживает то, что изготовитель в будущем реализует возможность загрузки списка каналов через сетевой интерфейс.

Если ресивер TF7700 HDPVR

Мы были совершенно удивлены скоростью автоматического поиска каналов, потребовалось только около 5 минут, чтобы прописать каналы испытательного спутника с 80 транспондерами. Мы были также приятно удивлены обнаружив, что данные транспондеров были актуальны, и прописаны новые каналы HDTV. Каналы стандарта DVB-S2 были также найдены при этом поиске.

Поскольку мы привыкли, ожи-

и приёмник был переполнен, так что мы решили продолжить работу удаляя, редактируя, сортируя список для реорганизации каналов.

В очень интуитивно устроенном меню, некоторые каналы в списке могут быть переименованы, перемещены, удалены или блокированы от любопытных детей посредством родительской блокировки (PIN code). Более популярные каналы могут быть перемещены в один

уже находится подключённым к сети, то он работает на скорости 100 М/бит, при этом в будущем будет также возможность, передачи данных в персональный компьютер. В настоящее время это пока не возможно, но обновления быстро разрабатываются производителем. Но, даже в этом случае, эта связь определенно не бесполезна в дополнение к обновлению программного обеспечения через спутник, разработчик также

предлагает непосредственно самому приемнику обновление через Интернет посредством доступной домашней локальной сети. Просто пропишите IP адрес через меню Установки, и эта информация обеспечит доступ к стандартному шлюзу Интернета в вашей местной сети.

Приемник затем сам загрузит самое последнее программное обеспечение по сети. При ручном назначении IP адреса , DHCP протокол, конечно, также определит настройки, для того чтобы приемник сам мог получать всю необходимую информацию непосредственно из шлюза программы маршрутизации. Пользователь без дополнительных настроек сам сможет это сделать.

Также очень практична Система Восстановления настроек. Этот файл хранится на жестком диске как «слепок» всех настроек, включая список каналов, таймеры, и т.д., если что-то будет настроено не правильно или список каналов будет удален по ошибке, все предыдущие настройки могут быть легко восстановлены.

Все начальные установки настраиваются за один раз после чего, пользователь может выйти из главного меню при этом приемник сам переключится на первый приемлемый для просмотра канал.

Как правило, Topfield, имеет очень информативный и легко читаемый информационный блок, который включает информацию о типе канала, наличии телетекста, подзаголовков, выбора языка, звуковой дорожки DD, настройки мультифидов, и т.д. и даже название текущей в настоящее время программы (если эти данные передаются поставщиком). Нажатие кнопки «Информация» отображает расширенную информацию и детальное описание текущей программы.

Нажатие кнопки «EPG» включает развёрнутый программный гид и, в зависимости от программы вещателя, показывает полный список программ для следующих от двух до семи дней в легком для понимания формате.

Так как мы имеем дело с приемником с жестким диском TF7700 HD PVR, то производитель естественно и очевидно предусмотрел возможность программирования записи непосредственно из EPG, мгновенное нажатие кнопки «ЗАПИСЬ» - все, что необходимо для этого. Особенно практична возможность нажатием другой кнопки, изменять настройки записи, например, прибавить дополнительную задачу для записи, изменить время записи или начало и конец задачи. Это гарантирует, что Вы не пропустите что - нибудь интересное.

Topfield также, известен легкостью составления и использования списка каналов.

Нажатие кнопки «OK» отображает Список каналов, после чего список может сортироваться и фильтроваться по различным критериям, используя цветные Функциональные клавиши на пульте дистанционного управления.

В обычном режиме эксплуатации ресивера при просмотре телепрограмм они автоматически записываются в фоновом режиме, для того чтобы программу можно было приостановить или повторно воспроизвести в любое время.

Если звонил телефон, в то время как вы удобно просматриваете программу, простое нажатие на кнопку приостанавливает программу. Как только Вы завершите ваш телефонный разговор, можно возобновить пропущенный фрагмент кинофильма или вашей любимой телепрограммы. Функция Смещения во Времени делает это возможным.

Так как мы говорим о программах ТЕЛЕВИДЕНИЯ, новый TopfieldTF7700HDPVR также поддерживает возможность записи телепрограмм по еженедельному или ежедневному расписанию, или в указанный день или в конце недели. Другими словами, только запрограммируйте то, что нужно вам, один раз, и Вы не пропустите ни одного будущего эпизода в указанном Вами промежутке времени.

Благодаря двум полностью функциональным DVB-S и DVB-S2 приёмным блокам, этот приемник способен вести запись двух различных программ в одно и то же время, (независимо, если это - HD или SD сигналы), а также, воспроизводить третью программу, предварительно записанную с жесткого диска (также, независимо, если это - HD или SD сигналы) или третью программу "из эфира". Благодаря «умному» действию входного интерфейса, можно записывать платные телепрограммы, декодированными, если это возможно, если это не было возможным, появляется соответствующий символ в списке записанных программ, и при нажатии кнопки «кодированные» записи подвергаются отложенному декодированию, после чего они хранятся в дешифрованном виде. Таким образом, они – уже готовы к просмотру, даже если произойдет изменение значения ключа поставщиком.

Несмотря на концепцию легкости при использовании и типичные компоненты прибора,

все терминалы должны пройти испытание чувствительности приёмного блока.

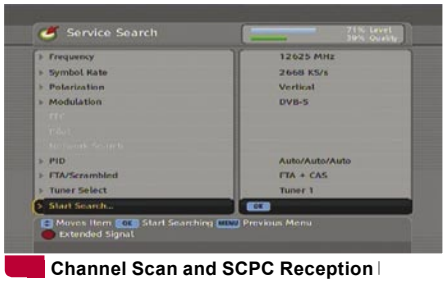
Оказывается, мы могли бы и не беспокоиться, ресивер TF7700 HDPVR прописал все доступные каналы, и даже при приеме более слабых сигналов на спутниках NILESAT 7 З.Д., и ARABSAT 26 в.д., и ASTRA2D 28.2 в.д., выяснилось, что нет никаких проблем. Даже SCPC прием не был затруднён, наш тестовый транспондер на EUTELSAT SEASAT 36 в.д., со скоростью потока 2668 Mc/c был обработан без проблем.

Компания Topfield обеспечила этот новый приемник множеством полезных дополнений и усовершенствований, в том числе DiVX и MP3 проигрывателями. Не возникало вообще никаких проблем,

Main Menu |

EPG |

Channel List |



Channel Scan and SCPC Reception |

LAN Settings |

DiVX Player |

при использовании этого ресивера как MP3 проигрывателя. Использование объединенного DiVX проигрывателя вызывало некоторые неудобства, для того чтобы воспользоваться проигрывателем Вы, сначала должны скопировать записи с внешнего устройства через USB 2.0 интерфейс на жесткий диск приемника. Хотя перенос проходит очень быстро, было бы предпочтительнее, если бы приемник имел непосредственный доступ для внешних устройств или DiVX файлы могли бы быть скопированы на приемник через сеть.

Качество изображения

При испытаниях TF7700 HDPVR воспроизводил ряд испытательных изображений на нашем LCD Телевизоре Samsung Full HD, и мы увлечённо удивлялись каждому новому изображению. Это не было только едва значимой задержкой при переключении между SD и HD каналами, но также и превосходным SD качеством изображения, которое почти заставляет Вас забыть, что это - не изображение с высоким разрешением. Конечно, это означает только то, что некоторые передачи SD стандарта с потоком данных 1.5 Мс/с. даже TF7700 HDPVR не может воспроизводить в максимальном качестве, наиболее полные возможности могут быть заметны при фрагментах с содержанием HD стандарта. Многие посетители испытательного центра были весьма впечатлены резкостью, точностью деталировки, полутонами, глубиной и прозрачностью изображения.

Мнение эксперта

Thomas Haring
TELE-satellite
Test Center
Austria

\+

TF7700 HDPVR - один из полностью совместимых с HD стандартом PVR приемников с двумя входными блоками, традиционно, предлагает обкатанную технологию с эксплуатационной концепцией, которая логически обдумана и ясно устроена. Это - абсолютное, дружественное устройство для гостиной комнаты и должно непременно быть частью любого домашнего хозяйства, которое имеет LCD или плазменное ТЕЛЕВИДЕНИЕ.

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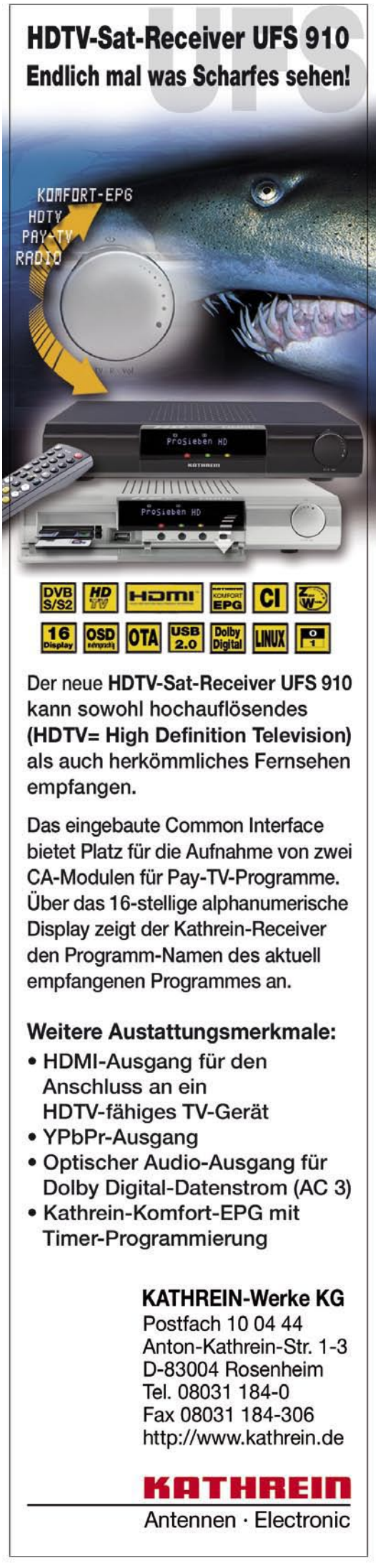
Доступная память каналов требует некоторого усовершенствования.

TECHNIC DATA

Manufacturer	Topfield, Seongnam/Korea
Fax	+82-31-7082607
E-Mail	inquiry@topfield.co.kr
Model	TF7700 HDPVR
Function	Digital DVB-S, DVB-S2 HDPVR Receiver with Ethernet Connection
Channel Memory	5000
SCPC compatible	yes (> 2Ms/s)
USALS	yes
DiSEqC	1.0 / 1.1 / 1.2 / 1.3
Scart Connectors	2
Audio/Video Outputs	3 x RCA + 3x RCA YUV
UHF Modulator	no
S-Video	yes
Component Output	yes
HDMI Connection	yes
Programmable 0/12 Volt	no
Digital Audio Output	yes
LAN	yes
EPG	yes
C/Ku-Band compatible	yes
Power Supply	95-250 VAC, 50/60 Hz
Power Consumption	max. 60W, Stand-by 9W



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Technotrend Budget C-1500 incl. CI (Common Interface)	DVB-C	73,90 €
Technotrend Budget C-1500 incl. Remotecontrol	DVB-C	51,90 €
Technotrend Budget C-1500HD High-Definition (MPEG2/4)	DVB-C/HDTV	61,90 €
Technotrend Budget C-1500HD High-Definition incl. CI Interface	DVB-C/HDTV	83,90 €
Technotrend Connect USB C1200 (DVB-C USB 1.1)	DVB-C	69,90 €
Technotrend Premium C-2300 Hybrid HardwareMPEG2	DVB-C	79,90 €
Technotrend Budget S-1401 Silicon Tuner	DVB-S	43,19 €
Technotrend Budget S-1500 incl. CI (Common Interface)	DVB-S	73,90 €
Technotrend Budget S-1500 incl. Remotecontrol	DVB-S	50,40 €
Technotrend Budget T-1500 incl. Remotecontrol	DVB-S	50,40 €
Technotrend Connect USB S2400 (USB 2.0)	DVB-S	49,99 €
Technotrend Premium S-2300 "modded" HardwareMPEG2	DVB-S	130,99 €
Technotrend S2-3200 HDTV-S2 + Remote + Common Interface	DVB-S/DVB-S2 (HDTV)	98,90 €
Technotrend S2-3200 HDTV-S2 incl. Remote	DVB-S/DVB-S2 (HDTV)	87,00 €
Technotrend S2-3600 HDTV-S2 USB 2.0	DVB-S/DVB-S2 (HDTV)	99,99 €
Technotrend S2-3650 HDTV-S2 USB+CI (Common Interface)	DVB-S/DVB-S2 (HDTV)	123,50 €
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.	21,90 €
Technotrend Premium 3.5" CI incl. Remotecontrol	SAT/CABLE/TERR.	69,90 €

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CAM MODULES	Price
Alphacrypt Light	47,90 €
Alphacrypt Multicrypt	94,90 €
Alphacrypt TC Light	64,90 €
AlphaCrypt TC Multicrypt Dual	119,90 €
Conax CAM (Rev. 1.1) - 4.00e	45,90 €
Conax MPEG4 NP4 Neotion Processor HDTV	49,90 €
Cryptoworks Mascom (Arena,ORF,DigiT,Xtra,easyTV)	43,99 €
Diablo CAM Light	76,90 €
Dual CAM Irdeto plus Conax	45,90 €
Euro-Irdeto CAM	45,90 €
Full-X TV CAM	39,90 €
Matrix Reborn CAM	32,90 €
T-Rex CAM 4.1 Firecrypt	79,90 €
T-Rex Supermodul 4.6	105,00 €
Viaccess I/II CAM (V484)	42,99 €
Viaccess NP4 MPEG2+MPEG4 (HDTV) * Pocket * CAM	49,90 €
X-CAM Platinum CAM	37,99 €
Zeta CAM gelb (FreeX/FullX)	39,90 €

Technotrend SETTOPBOXES	Reception Type	Price
Technotrend TT-Micro S320 HDMI UpScale HDTV BLACK	DVB-S	81,99 €
Technotrend TT-Micro S320 HDMI UpScale HDTV SILVER	DVB-S	81,99 €
Technotrend Scart TV S100 FreeTV Mini-Receiver SCART	DVB-S	72,90 €
Technotrend Scart TV S102 (DVB-S)	DVB-S	114,50 €
Technotrend Scart TV S102 (DVB-S) incl. Premiere Flex € 25	DVB-S	124,49 €
Technotrend Scart TV S106 (DVB-S)	DVB-S	129,00 €
Technotrend TT-micro S202 Premiere	DVB-S	61,00 €
Technotrend TT-Micro S305 HDMI Nagra+CI	DVB-S	109,90 €
Technotrend TT-Micro S326 Cryptoworks (ORF) Upscale	DVB-S	149,00 €
Technotrend TT-micro C201 (Conax embedded)	DVB-C	89,90 €
Technotrend TT-micro C202 Premiere	DVB-C	63,00 €
Technotrend TT-micro C254 (Arena/Tividi)	DVB-C	82,50 €
Technotrend TT-Micro C2800-BC (Betacrypt embedded)	DVB-C	39,90 €
Technotrend Scart TV C102 (DVB-C)	DVB-C	104,99 €
Technotrend Scart TV C102 (DVB-C) incl. Premiere Flex € 25	DVB-C	109,00 €
Technotrend Scart TV T100 FreeTV Minireceiver Scart	DVB-T	89,00 €

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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AB IPBox 350Prime PVR

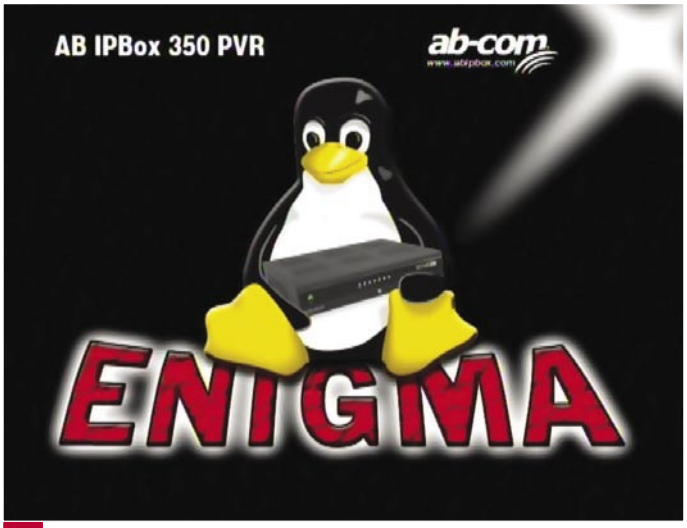
Возвращение пингвина

Несколько месяцев назад у нас появилась возможность опробовать уникальный приёмник. Базирующийся на операционной системе Linux, с открытым источником программного обеспечения, большим количеством плагинов (добавок) и очень удобным записывающим устройством (PVR). Мы говорим о AB IP Box 250S PVR производства словацкой компании AB Com, с которой мы Вас познакомили в предыдущих выпусках журнала TELE+satelite International (выпуск за 07/2007). После этого , это стало настоящей легендой и производитель решил выпустить ещё более усовершенствованную версию AB IP Box 350Prime PVR.

Во время открытия упаковки мы не ожидали большого сюрприза во внешнем виде, так как, согласно фотографии на заводской странице в интернете он выглядел почти так же как его «старший брат». Но содержимое упаковки сразу привлекло наше внимание: кроме приёмника там было два отдельных карточных тюнера – для Цифровых Видео Передатчиков (DVB –T и DVB-C) так как AB IP Box 350Prime PVR так же поддерживает простой антенный сигнал и кабельный.

Приёмник так же имел несколько сюрпризов. На его задней панели, кроме 2х карточных разъёмов а также RCA, S/PDIF, RS-232, Ethernet port, LNB входа и loop-through выхода мы обнаружили добавочный выключатель сети и USB порт, который может быть использован для усовершенствования софта или обмена файлами с разными плагинами установленными в приёмнике. Передняя панель такая же как на 250S и содержит Standby, Menu, Exit, OK, Left, Right, Up and Down кнопки а так же слот для карточки окно дисплэя. AB IPBox 350Prime PVR предлагается двух цветов – серебро и чёрный.

Нужно ли менять хорошие вещи? Предыдущая модель имела очень изящный пульт управления. Возможно был простоват дизайн но очень удобно лежал в руке и все кнопки прекрасно обозначены. Имелась возможность управлять телевизором и был выбор из нескольких сот производителей ТВ. Неужели это всё ушло в историю? Ни в коем случае. Пульт управления AB IPBox 350Prime PVR так же прекрасен так как выгядит и работает точно так же.



Welcome screen of Enigma software

Подключение

Когда Вы включаете впервые AB IPBox 350Prime PVR, Вас приветствует милый пингвин, держащий приёмник. Справа внизу можете прочитать название программы установленной в приёмник по дефолту – легендарная Enigma. Она так же была в прошлой модели но в наших испытательных пробах мы использовали "образ" из "Highland team". И даже сейчас у "Highland team" так же есть образ для 350Prime PVR, мы решили присмотреться к Enigma. Через несколько секунд после картинки с пингвином появляется помошник, который будет направлять Вас в процессе установки. В первом окне будет просьба выбрать временную зону, во втором – выбрать DiSEqC опцию которая лучше соответствует Вашей антенной конфигурации. ABIPBox 350Prime PVR предлагает три варианта: без DiSEqC (прямое соединение с одной головкой), Простой - Simple DiSEqC (для двух головок) и сложный – Complex DiSEqC (все возможные варианты).

ABIPBox 350Prime PVR поддерживает все версии DiSEqC от 1,0 до 1,3 (USALS).

Следующее окно позволит Вам выбрать спутники которые Вы планируете получать и сконфигурировать их параметры. Когда закончите, следующий шаг предлагает три выбора: автоматический поиск каналов, много-спутниковый поиск и поиск вручную. Во время автопоиска, приёмник вначале пробует зафиксировать сигнал с одного передатчика (транспордера) и если это получается то предлагает начать сканирование каналов. Когда передатчик сканируется, появляется информативное окно, говорящее сколько времени осталось до конца сканирования, количество обработанных передатчиков и найденных каналов а также информаци о передатчиках Это сканирование я бы не назвал быстрым так как заняло 18 минут для обработки 94-х передатчиков в авторежиме, в результате получил 1379 ТВ и 453 радио каналов. Но! Если есть что то медленное, то что то дожно быть очень быстрым. Об этом мы поговорим позже. Как только поиск закончен, выходим на основной список каналов. Уже здесь сталкивае-

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тесь с опытом работы с меню в стиле Энигмы. Приготовтесь использовать много цветных кнопок. На списке каналов, нажатие красной кнопки вызовет показ всех каналов, зелёной – выбор спутника (с новой возможностью сортировать по провайдерам все каналы), жёлтая - даст лист всех передатчиков которые найдёт приёмник и голубая – даст доступ к списку предпочтений, который к этому моменту пока пустой. Но не волнуйтесь, остался один шаг до того момента, когда вы увидите первое изображение на экране!

Да, перед тем как приступить к просмотру телепередач, давайте обратим внимание вот на что. После нажатия кнопки «Меню» не ожидайте увидеть длинный список на экране. Всё появляется по одному и, чтобы поменять что то нужно использовать Влево и Вправо кнопки. Первый выбор – «TV mode», заполняет список каналов выбранными каналами, второй – «Radio Mode» -соответствующими радиоканалами. Третий - «File Mode», где список каналов преобразуется в список папок, доступных через соединённый жёсткий диск или USB устройство. Четвёртый – «Information» - говорит не только о модели используемого приёмника, но выдаёт детальную информацию о выбранных каналах, включая все PID, видео формат, аспект ротации, система кодировки, и даже битрэйт для звука и видео, который измеряется в моментальном режиме с передающегося сигнала!

Пятый выбор в меню называется «Shut down», где вы можете выбрать разные варианты перезагрузки приёмника. Шестой – «Set up» основное место для конфигурации AB IP Box 350Prime PVR. Всё что захотите модифицировать, персонализировать или удалить, можете тут сделать, включая спутники и передатчики, каналы, сеть,язык, жёсткий диск, USB устройство и т.д. Седьмой – «Игры», позволяет быстрый доступ к установленным плагинам. Восьмой – «Timer» для програмирования записи, и девятый – позволяет переключать картинку с приёмника на картинку с видео.

Ежкдневное использование

Итак берите в руки пульт и приготовтесь к езде, быстрой езде! И если поиск каналов не побил рекордов по скорости, то переключению это удаётся. Призводитель не обманул, обещая что это занимает меньше секунды. Смена каналов в одном передатчике занимает примерно 0,2-0,3 секунды, между разными передатчиками – 0,5-0,7 сек. Если вы оставите свой AB IP Box 350Prime PVR в спящем режиме, а потом снова включите его то картинка появляется примерно через 0,3 сек., что поразительно быстро.

Вместе с картинкой нового канала вы также видите информационные линии на экране – вверху и внизу. Верхняя раскажет вам о номере канала, названии, кодировки, а так же SNR (уровень сигнала), AGC (автоконтроль), BER (основные правила кодирования).

Нижняя даёт больше информации о канале, название, время начала передачи и следующая передача, А так же гоаорит вам если канал имеет автотекст, субтитры и программу. Говоря об этом нужно упомянуть, что AB IP Box 350Prime PVR предлагает два варианта – показать программу на один канал либо на соседние каналы тоже. Позже можно установить при помощи кнопок с номерами от 1 до 6, что бы показывало программу одновременно от 1 до 6 часов. Естественно что это не лимитирут просмотр программы 6 тью часами, при помощи стрелок на пульте можно просматривать столько, сколько ва захотите или позволяет источ-

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ник канала. Автотескс также работает очень быстро, так как мы и ожидали от современного приёмника. Смена страниц происходит так же быстро как иканалов на AB IP Box 350Prime PVR, так что вам няврядле захочется вернуться к телевизионному автотексту.

PVR (персональный видео магнитофон), USB и LAN (локальные сети)

И тут начинается самая интересная часть для тех кто любит поиграться. Естественно что любому человеку в семье понравиться PVR, но последних два для настоящих экспериментаторов. Для того, что бы пользоваться видеком необходимо вначале установить жёсткий диск в приёмник. К несчастью для этого нужно открыть крышку, и в настоящий момент в этой модели отсутствует встроенный HDD (Жёсткий диск). Но как только вы всё подсоедините, всё что вам осталось сделать – отформатировать (Setup – System Settings – Harddisk setup). Сразу же после этого можете записывать ваши любимые передачи.

Если вы увидите что то, что захотите записать, просто нажмите кнопку с красной точкой. Также возможно выбрать времы записи через меню таймера или через меню программы. Позже вам нужно только выбрать ту передачу, которую вы хотите записать и нажать голубую кнопку, которая перенесёт название этой передачи, время начала и окончания в меню таймера, где позже можно будет поменять что либо. Во время записи на дисплэе приёмника показывается сколь ещё свободного места в памяти, таким образом вы всегда знаете сколько ещё можете записывать. Позже можно легко посмотеть запись через File Mode (Папки)- меню записей.

Серьёзным шагом прерёд было добавление порта USB к AB IP Box 350Prime PVR.. Однако к сожалению, не было запланировано его полное использование. Он не может быть использован для записи, только для усовершенствований и закачек добавок (плагинов).

Есть одна приятная функция, возьмите свою флашку, накачайте туда мп3 музыки и вставте через File Mode - меню USB диска. Когда на просматриваемом канале начинается реклама, вы можете слушать вашу любимую музыку. Однако, что бы это было возможно, ваша флашка должна быть отформатирована в формате Ext3 при помоши приёмника (Setup – System Settings – USB disk Setup). Затем, либо нужно скопировать файлы из компьютера с Линуксом а лучше использовать такую программу как LTOOLS by Werner Zimmermann для Windows. К сожалению невозможно будет открыть флашку на Windows, отфарматированную приёмником AB IP Box 350Prime PVR. И хотя всё что связано с USB должно быть доработано, всё что связано с LAN так же прекрасно как и было. И даже лучше. Мы соединили приёмник с WiFi ротором который у еас в лаборатории затем вышли в Setup – Expert Setup – Communication Setup для конфигурации. Согласно типу ваших сетей, вы можете выбрать DHCP метод, что бы получить все параметры

Teletext

DVB-T Channel Search

DVB-T reception in Budapest, Hungary

автоматически либо вручную введите IP адрес приёмника, маску сети, шлюз, название сервера.

Когда всё введено, откройте сво любимый браузер и введите IP приёмника. Когда спросит имя пользователя и пароль введите "root" и "ipbox". После этого увидите полную страницу вэб сервера приёмника. Поражает множество поддерживаемых функций.

Вы можете изменить список каналов, проверить программу, читать автотекст на вашем копьютере начать/остановить запись. Вы в одном моменте от смены различных установок без необходимости просмотра через меню OSD при помощи пульта.

Параметры просматриваемого канала отображаются на перхней части страницы. Вы можете увидеть название настоящей и следующей программ а так же все остальрые данные (SNR, AGC и BER, а так же их Video and Audio PIDs).

Перекачка записей с приёмника на компьютер так же очень проста. На вэб отображении используйте меню "Muvies", затем выберите то что хотите перекачать и нажмите кнопку "Download". Если вы предпочитаете пользоваться FTP, используйте тот же адрес, имя пользователя и пароль и выходите в жёсткий диск –кино директорию. Очень просто.

Наземная передача

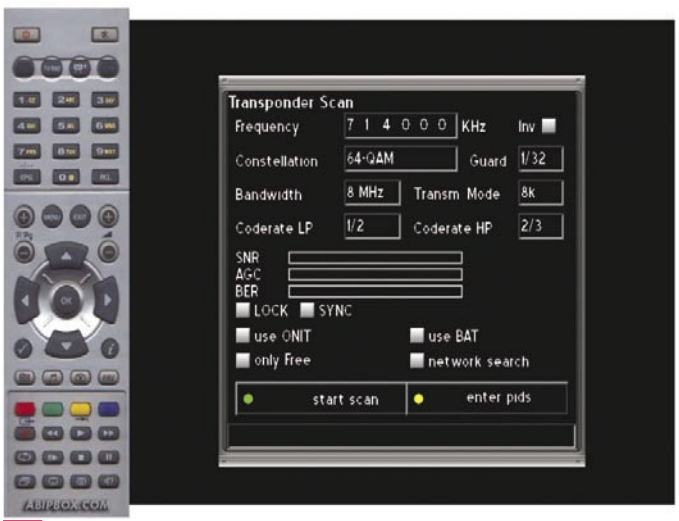
Как мы уже упоминали, помимо спутниковых передач, AB IP Box 350Prime PVR может быть использован для просмотра цифровых наземных передач в формате DVB-T. " Plug-and-Play" (Включай и Играй) настройщики, предложенные производителем, очень легко устанавливаются – так же как замена сетьевой карты. Окройте крышку, открутите один шуруп и переставте карту – всё!

Программа Энигма, которая установленна на приёмнике полностью поддеоживает технологию замен - "plug and play".

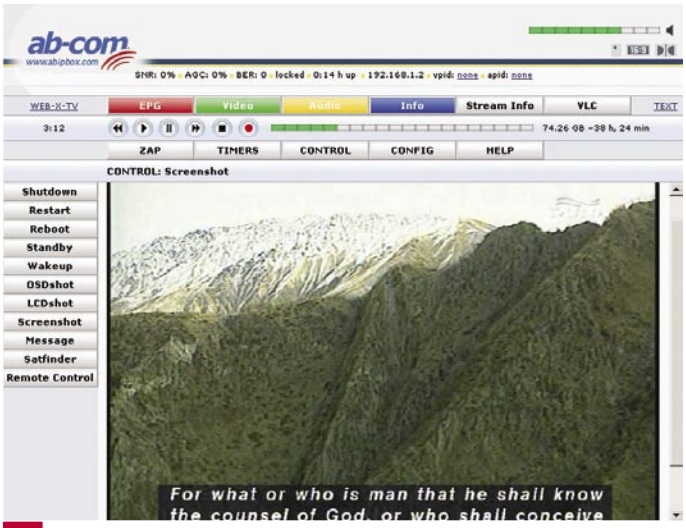
Она распознаёт новый настройщик автоматически и также меняет меню. Например, сканирование передатчиков показывается не в MHz а в kHz. Вместо Symbol Rate и FEC находим Constellation and Bandwidth.. К сожалению, невозможно ввести номера каналов напрямую. Начинающим прийдётся потратить время для нахождения правильных частот соответствующих параметрам VHF/UHF каналов.

Но после этого сканирование каналов происходит моментально и вы можете насождаться программами посылаемыми ближлежащей телевышкой с цифровым качеством. Фиксация такая же быстрая как и при спутниковой передаче, а программа, автотекст и другие функции так же поддерживаются. Для AB IP Box 350Prime PVR безразлично происхождение сигнала, он его приобразует и выдаст кристально чистую картинку в независимости от того что сигнал прилетел со спутника или с ближлежащей вышки.

Естественно, DVB-C приёмник работает точно так же. AB IP Box 350Prime PVR прдлагает вам все три DVB варианта, спутниковый, наземный и кабельный. Очень продуманный концепт!

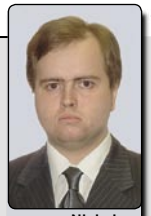


Virtual Remote Control |



Enigma's Web Interface |

Мнение эксперта



Nickolas Ovsyadovskiy
TELE-satellite Test Center Hungary

+

AB Com снова успешно поразила цель. Экспертам нечего желать более – есть возможность вводить все параметры а также считывать параметры которые едва ли видны в других приёмниках. В тоже время любой обычный пользователь с удовольствием отметит очень быструю фиксацию на AB IP Box 350-Prime PVR приёмнике. Через вэб интерфейс можно ввести любые параметры при помощи нескольких щелчков. И не забудем о том как легко переключаться с DVB-S на DVB-T, DVB-C и обратно! Основанный на Линуксе приёмник становится мощным как никогда!

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К сожалению нужны некоторые усовершенствования. USB нельзя назвать удобным в применении и нельзя использовать для записи, плюс, если пользуетесь Windows, возможны проблемы с доступам к флашке после форматирования её приёмником в формате Ext3. Так же было бы хорошо дать возможность вводить VHF/UHF каналы в режиме DVB-T, что бы помочь начинающим.

TECHNIC DATA

Manufacturer	AB-COM s.r.o. Gogolova 1, 955 01 Topolcany, Slovakia
Homepage	www.abcom.sk
Tel	+421 38 5322 038
E-mail	info@abcom.sk
Model	350Prime PVR
Function	Linux-based digital receiver, suitable for terrestrial, cable and satellite DVB reception
CPU	IBM PowerPC 405
CPU Speed	350 MIPS
Channel Memory	4000
Symbol Rate	1~45 Ms/s
SCPC Compatible	Yes
USALS	Yes
DiSEqC	1.0/1.1/1.2/1.3
Digital Audio Output	Yes
EPG	Yes
C/Ku-band compatible	Yes
Power supply	AC110~220V, 50Hz/60Hz
Power consumption	25W max.

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Nanoxx 9600 IP

CA Receiver With That Little Extra

TELE SATELLITE AWARD & BROADBAND 02-03/2008

NANOXX 9600 IP
Perfectly working CA receiver with smart use of network interface

CA receivers are ten a penny, but if you're after a really good box you still have to search around. We found such a receiver, the 9600 IP of German distributor Nanoxx. The IP in the model name reveals some great extras – but let's take it one step at a time.

The casing of the box comes in elegant silver with a shiny black front panel where an easy to read segment display indicates the currently selected program number. To the left, Nanoxx has put seven buttons to operate the box without remote control and to the right a flap hides the card reader which is XCrypt compatible.

The back panel is nicely equipped as well, featuring the standard IF input with looped-through output, two scart euroconnectors, RF modulator output, 3 RCA sockets for stereo audio and video, composite video, optical digital audio output, RS-232 interface as well as an RJ45 network socket as an added extra. But more about that a little later.

The included remote control sits well in your hand and sports an ergonomic shape. The buttons on the lower half of the control could be slightly larger, though.

The multilingual user's manual will answers all questions and has an easy to use layout.

Everyday use

Turn on the box for the first time and you'll be immediately presented with the main menu which prompts the user to customise some parameters and to define which reception equipment is used in combination with the receiver. The new Nanoxx box turns out to be a true globetrotter, offering the following languages for OSD messages: English, German, French, Italian. Spanish, Turkish, Russian, Arabic, Persian, Croatian and Greek.

Thanks to automatic detection the box can handle PAL and NTSC signals flawlessly and switching between the 4:3 and 16:9 aspect ratios also went smoothly in our tests. Unfortunately, the Nanoxx receiver has neither S-Video nor component video outputs, which is a drawback considering the large number of flat screen TV and beamers in use these days. On the positive side the OSD can be customised to an extremely high extent so that users can configure the box just the way they prefer.

Once the initial set-up is completed the installation menu comes up to assist in adjusting the receiver's setting to the reception system used. The Nanoxx 9600 IP supports DiSEqC 1.0 to control up to four LNBs as well as DiSEqC protocols 1.2 and 1.3 (USALS) to control motors for rotating dishes.

As an extremely smart feature – especially for newbies – the relevant DiSEqC protocol is detected automatically and all parameters are set by the receiver accordingly, so that users have one thing less to worry about when installing their equipment.

If you own a multifeed antenna with up to 16 LNBs then this receiver is not for you, however, because unfortunately it does not support DiSEqC protocol 1.1.

Apart from standard universal Ku band LNBs some other types such as C band LNBs can also be used and if required the LOF data can even be entered manually. The manufacturer ships this receiver with a prestored satellite list featuring 58 European and Asian orbital positions. Up to 20 additional

Clearly laid out info bar of the 9600 IP |

EPG |

Main menu |

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positions can be added to this list later on. We have found that some transponder data are out of date, so we hope Nanoxx will look at the matter and provide more current data in future.

After the antenna settings are completed the next step is to fill the 6000-plus channel memory (boot loader version 1.33 and higher) of the IP 9600. To this end we can select either a full scan on one or more satellites or a manual scan on specific transponders.

Our test also confirmed that it's always a good thing to be able to restrict a scan to FTA, TV only or radio only. Scanning is speedy and took a little less than seven minutes for performing a full search on an 80-transponder satellite.

After the completion of the first channel scan the receiver leaves the main menu and displays the first available channel together with a highly informative status bar which features the title of the current and next events (if made available by the channel provider) as well as icons for teletext, subtitles or encryption.

Press the Guide button and the EPG appears on screen showing all events of the following three to seven days. Our extensive tests revealed, however, that the EPG window on screen is divided by the 9600 IP in a rather awkward way. On the one hand the area displaying all program and event information is rather tiny and on the other hand the area dedicated to show the currently selected channel is quite large. We believe it would be wise to reduce this area for the sake of more program information, because that's what an EPG actually is there for in the first place.

Similar to most other receivers the OK button calls up the channel list. The new Nanoxx receiver features a clearly laid out list complete with comprehensive editing and sorting options. This makes sure any available channel will be found quickly after only a few clicks.

If you have a more pronounced sense of order you can proceed with permanently adjusting the full list to your personal liking. This includes renaming, moving or deleting channels or putting a parental lock on those offerings that are not suitable for children. Only those possessing the correct PIN can then watch these channels.

To make things even easier, all channels of a specific satellite can be deleted or PIN-locked at once.

Complementing various search filters is manual PID input, a feature all DXers will be most thankful for. Eight favourites lists are available and can be filled with the most frequently watched channels at the touch of a button. No more time is wasted any longer looking for those favourite stations.

The overall positive impression of the Nanoxx 9600 IP is rounded off with standard features like selection of audio channel, teletext decoder or multi-picture viewing mode which helps you keep track of up to four channels simultaneously. That's a convenient way of bridging commercial breaks.

Network interface

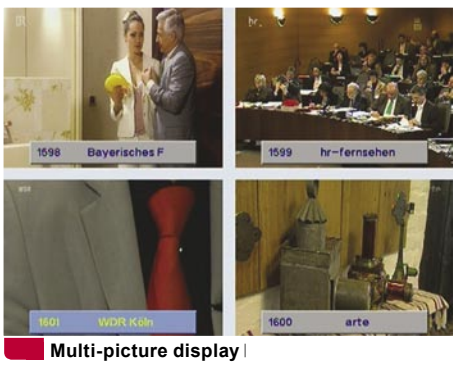
Now it's time at last to turn to the IP in the Nanoxx 9600 IP's model name. Contrary to most other CA receivers this particular box comes equipped with a fully functional network interface, which the manufacturer has built in with two purposes in mind: One is to facilitate easy and convenient software updates via the Internet, and the other is to transform this CA receiver into a full-flung PVR.

If you decide to use this interface all you have to do is access the Internet main menu on the OSD in order to set the required parameters. If required, all data (i.e. IP address, subnet mask, standard gateway IP) can be entered manually or alternatively DHCP can be activated, prompting the receiver to obtain all settings from the local router.

Smartly enough the 9600 IP can be set up in such a way that it searches for new software on the manufacturer's server every time it is turned on so that users can be sure the box runs the most recent version of the operating system at all times. Of course we tried that out in our test and the receiver reliably detected any updates and started to download and install new software.

The second purpose of the network interface is currently in its trial phase, but we have word from the manufacturer that they are working day and night to make this feature ready for release. Nonetheless, TELE-satellite was authorised by Nanoxx to have a sneak peek. At the start of all planning was

Channel search



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Network settings

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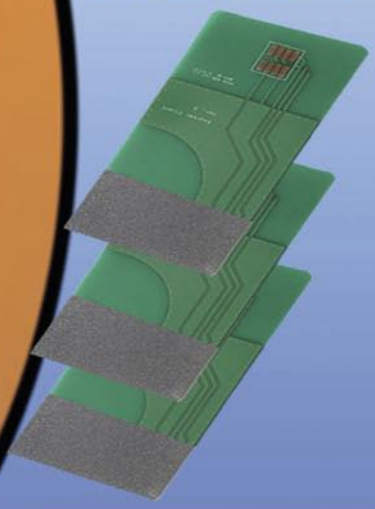

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Nanoxx's assumption that most households these days own high-performance PCs and burning a DVD is as easy today as recording a tape used to be a decade or two ago.

Most PVRs sold today allow transferring recordings from the internal hard disk to the PC, even though this process may be very time consuming, depending on the available connection type.

Now, if you were able to record an event directly on the PC, this would save all this time spent moving huge files from one disk to another.

That's where Nanoxx enters the stage with a small tool that runs on the PC and waits for any incoming recordings from the receiver.

As soon as the Record button on the remote control is pressed the recording starts and the receiver transmits all data to the PC via the network interface. The PC saves the recordings for playback at a later time or for processing and burning using any standard DVD authoring software.

Even though in beta stage this added feature of the Nanoxx 9600 IP worked flawlessly in our test. The only thing we were not yet able to test was playing back content that is stored on PC directly on the receiver, since the manufacturer has not yet finished the implementation of this feature in its software.

Considering the perfectly functional recording mode, however, we are confident that this feature will be available and in perfect working order shortly.

Expert Opinion

Thomas Haring
TELE-satellite
Test Center
Austria

\+

The Nanoxx 9600 IP is a fully functional CA receiver sporting all required features with reliability and sophistication. Thanks to its network interface a whole new world of possibilities opens up and the manufacturer uses these in a smart way. The 9600 IP is self-explaining to operate and even beginners will have no difficulty using it.

\-

The satellite and – above all – transponder lists are in need of some fresh air and playing back recordings from the PC is not yet possible. DiSEqC 1.1 would also be a welcome addition.

Recording software on the PC

TECHNIC

DATA

Manufacturer	NanoXX www.nanoxx.info
Model	9600 IP
Function	Digital CA satellite receiver with PVR functionality via network
Channel memory	6000
Satellites	78
SCPC compatible	yes (1.628 Ms/s and above in our test)
USALS	yes
DiSEqC	1.0 / 1.2 / 1.3
Scart connections	2
Audio/Video outputs	3 x RCA
YUV outputs	no
UHF Modulator	yes
0/12 Volt output	no
Digital audio output	yes (optical)
EPG	yes
C/Ku-Band compatible	yes
Power supply	100-240 VAC, 50/60 Hz

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INNOVATION TELE SATELLITE AWARD & BROADBAND 02-03/2008

DISHPOINTER
Программное решение, позволяющее с помощью Google Maps и их реальных изображений, а также SatcoDX и их актуальных данных, предоставить высокоточную информацию о спутниковом приеме.

Dishpointer

Один из наиболее важных вопросов, возникающих перед установкой спутниковой антенны – как точно настроить ее таким образом, чтобы иметь возможность принимать необходимый спутник. В каком направлении должна смотреть антенна? На восток? На запад? Это будет ее азимут. И насколько высоко в небо она должна быть направлена? Здесь речь об угле места. На самом деле, не так уж и трудно найти необходимую информацию; существует огромное количество вспомогательного ПО и таблиц, которые помогут Вам найти искомые параметры. Но если пойти немного дальше, как поступил Алан со своим ПО Dishpointer, то Вы получите абсолютно новые результаты.

Алан, проживающий в Великобритании, увлекается спутниковым DX-приемом с 2000 года. Диаметр его первой антенны – 120 см, она была оснащена поворотным устройством. «В те времена, я использовал ресивер Echostar со встроенным поцизионером для управления антенной», объясняет Алан.

Студент по специальности «аэродинамика», в настоящий момент пишущий свою дипломную работу, он проводит все время дома, занимаясь компьютерным программированием. «Впервые я познакомился с компьютером в 16 лет. Это был C64», вспоминает Алан. «Наверно где-то в 2004 году я нашел программу Muptimaps, представляющую собой коллекцию географических карт».

В его голову пришла идея совместить отображение спутниковых позиций на этих картах таким образом, чтобы это было полезным при настройке спутниковых антенн. Как же все это было устроено? Это были одни и те же карты, сохраненные с различными разрешениями. Алан в принципе мог написать какую-нибудь программу, но для этого потребовалось бы немало времени и усилий. Именно поэтому тогда он отказался от этой идеи.

В 2005 году он основал свой сайт (www.uksatellitehelp.co.uk), на котором он собрал полезные материалы о правильной установке спутниковых антенн.

Чтобы оценить, насколько успешным был его сайт, он воспользовался Google Analytics, бесплатной службе, очень подробно анализирующей трафик сайта. ТЕЛЕсателлайт также пользуется данными этой службы.

Google Analytics также предлагает опцию, отображающую географическое распределение посетителей сайта, помещая на карту мира точки различных размеров (чем крупнее точка, тем больше посетителей). И, как ни странно, именно такую технологию Алан искал в свое время для отображения спутниковых позиций.

Вспомнив о своей идее и продолжив ее развитие в современных условиях, Алан обнаружил и Google Maps.

В конце концов, все срослось – в августе 2007 года он написал первую версию программы Dishpointer. Достаточно щелкнуть мышью на определенной позиции на карте, как тут же будут отображены азимут и угол места выбранного спутника. «Теперь надо было лишь более серьезно заняться программированием, чтобы добавить все необходимые опции», рассказал нам Алан о работе, которой он был занят последние несколько месяцев.

Первая опция: зачем пользователю вообще надо указывать свое местоположение на карте, когда эту информацию можно получить из IP-адреса ? Существуют серьезные компании, поставляющие именно такие данные. Онлайн-магазины используют эту информацию, чтобы удостовериться, что покупатель проживает именно там, где он указал.

Итак, Dishpointer «знает», где находится пользователь, и автоматически устанавливает точку приема в это место. Информация не всегда будет идеально точна, все будет зависеть от того, насколько виртуальные IP-адреса соот-

▲ **Алан у себя дома перед собственной приемной системой. Он использует антенну меньшего диаметра для приема пакета Sky, и большую антенну для DX-приема. Он написал программу Dishpointer, инструмент, совмещающий азимут и угол места с Google Maps для наземной настройки, и SatcoDX, с их всемирной базой данных по спутникам.**

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ветствуют реальным. Далее, Алан проанализировал популярность спутников, таким образом, чтобы Dishpointer при запуске отображал именно те спутники, которые скорее всего вызовут у пользователя интерес. И, наконец, Алан доработал Dishpointer таким образом, чтобы по одному щелчку мыши можно было увидеть все остальные доступные спутники, так и каналы с них.

«Я использую спутниковые данные с SatcoDX», объяснил нам Алан. В соответствии с заключенным договором, Dishpointer получает актуальные данные таблиц SatcoDX. «Таким образом, данные в Dishpointer всегда актуальны, все изменения моментально регистрируются».

Своей программой Dishpointer, Алану удалось совместить два всемирных сервиса, которые ставят во главу угла актуальность – Google Maps и SatcoDX. Создав таким образом что-то абсолютно новое !

Какое же будущее ожидает Dishpointer? «Решения, ориентированные на пользователя – такова стратегия моего бизнеса», объясняет Алан. «Один из моих клиентов – вещательная компания. Они хотят объяснить своим подписчикам (частным лицам), как следует устанавливать спутниковую антенну, и какие каналы они могут с ее помощью принимать». Версия Dishpointer для таких клиентов отображает лишь каналы определенного платного пакета.

«Еще один клиент владеет несколькими круизными судами, и хочет знать, какие каналы он может принимать в том или ином порту». Для таких клиентов, Алан разработал версию Dishpointer, отображающую только те спутники и каналы, прием которых возможен на конкретную спутниковую систему.

«Еще один клиент – гуманитарная организация, желающая устанавливать спутниковые системы для своих сотрудников». Поскольку им зачастую приходится работать в труднодоступных районах, Dishpointer может точно указать им и размер антенны, и список каналов, прием которых будет возможен.

«Производителям ресиверов наверняка было бы интересно встроить что-то подобное в свою продукцию», предположил Алан. «Такая опция была бы интересна не только конечным потребителям, Dishpointer можно было бы использовать для загрузки списков каналов прямо в ресивер. Программа позаботилась бы об автоматической подготовке списков, подходящих для конкретных рынков». На текущий момент, к сожалению, ни один из производителей ресиверов этой идеей не заинтересовался.

Установщиков спутниковых антенн порадует еще одна опция, добавленная Аланом в Dishpointer. Они заранее смогут определить, помешают ли приему какие-либо препятствия, например, здания. «Потенциальная спутниковая система может быть заранее спроектирована без дополнительных затрат». Алан гордится своей разработкой.

Dishpointer – программа, максимально просто и точно отвечающая на все вопросы, связанные с планируемой установкой спутниковой антенны в определенной местности.

Молодец, Алан !

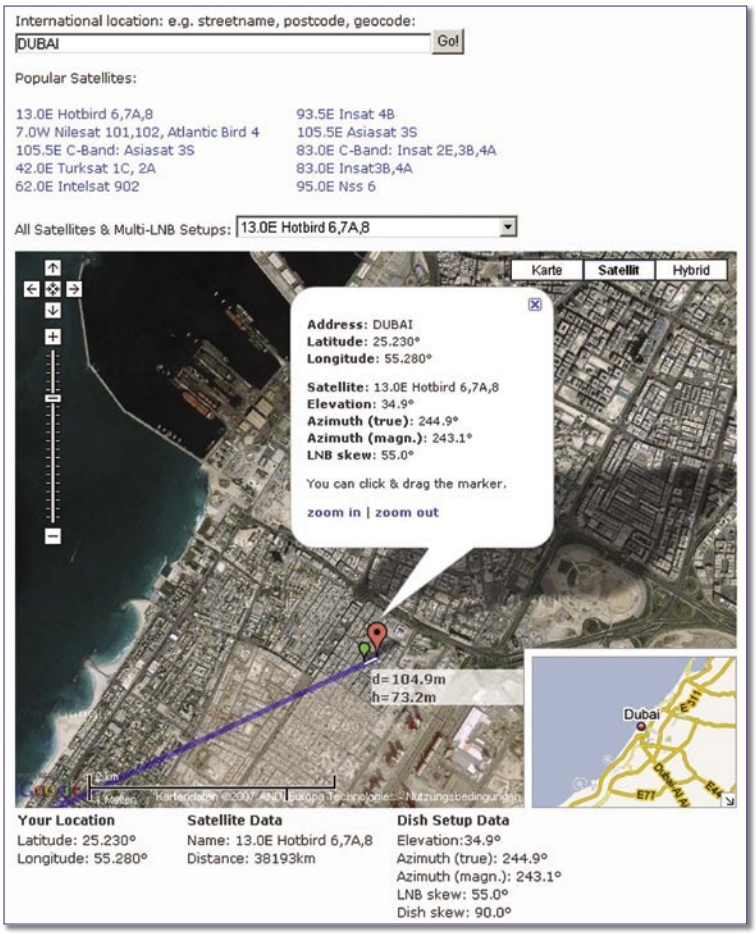
Примеры использования Dishpointer

Dishpointer используется для определения заранее того, прием каких спутников возможен, как следует навести антенну, и какие каналы можно принимать с найденных спутников

Возьмем, к примеру, спутниковую фирму, расположенную в Дубаи, желающую привлечь новых клиентов, и имеющую возможность установки спутниковых антенн на парковке торгового центра Аль-Гураир. Какие спутники можно принимать с этого места ?

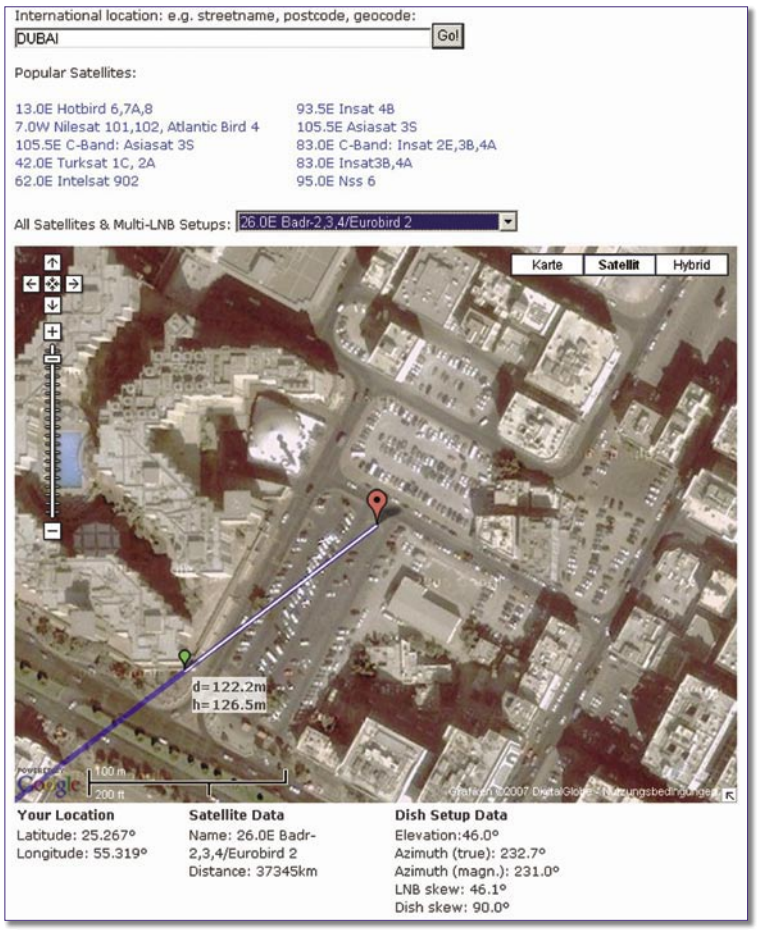
Сценарий 1: Установщики привозят трехметровую антенну на парковку, и на месте проверяют, какие спутники можно принимать. Сценарий 2: достаточно сесть за компьютер и зайти на www.dishpointer.com

◀ Парковка торгового центра Аль-Гураир выглядит примерно так. Улица Аль Ригга в стороне слева, мечеть – справа, торговый центр был построен вокруг нее. Какие спутники можно принимать отсюда? Слишком ли высоки жилые здания, возвышающиеся над торговым центром, чтобы закрыть вид на спутники?

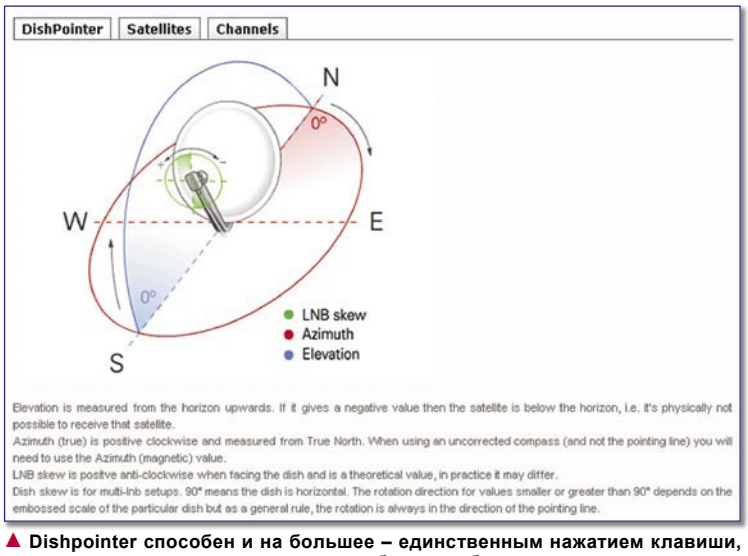


▲ **Шаг первый: Выберите в программе Dishpointer Дубаи.**

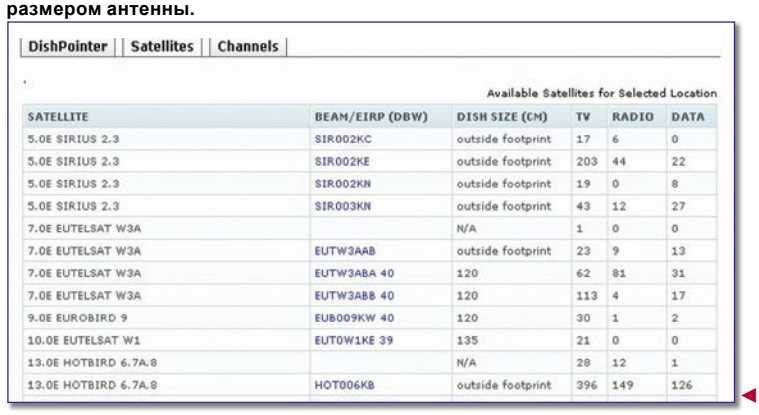
▲ **Совмещенное отображение нескольких спутников, расположенных «за» жилыми домами над торговым центром Аль-Гураир. Следует вопрос – следует ли изменить планируемое размещение спутниковых антенн? Спутниковой компании из Дубаи теперь необходимо задуматься о том, какие спутники необходимо принимать, и подыскать более подходящее место для антенн. Все это можно сделать за компьютером, таким образом, экономя время и средства на установке тестовой системы.**



▲ **Шаг второй: Увеличение масштаба изображения планируемого места установки на парковке торгового центра Аль-Гураир. Мечеть можно узнать по круглой форме. Улица Аль Ригга находится слева, с легко различимыми деревьями посередине. С выбранной точки, линия на спутник BADR 26 гр.в.д. проходит прямо по краю жилого строения. Зеленая стрелка, перенастраиваемая пользователем, показывает, что до жилого дома 122.2 метра. Если здание выше 126.5 метров, прием будет невозможен. Но поскольку реальная высота куда меньше 126.5 метров, данный жилой дом приему не помешает.**



▲ **Dishpointer способен и на большее – единственным нажатием клавиши, спутники, которые можно принимать, будут отображены, с рекомендуемым размером антенны.**



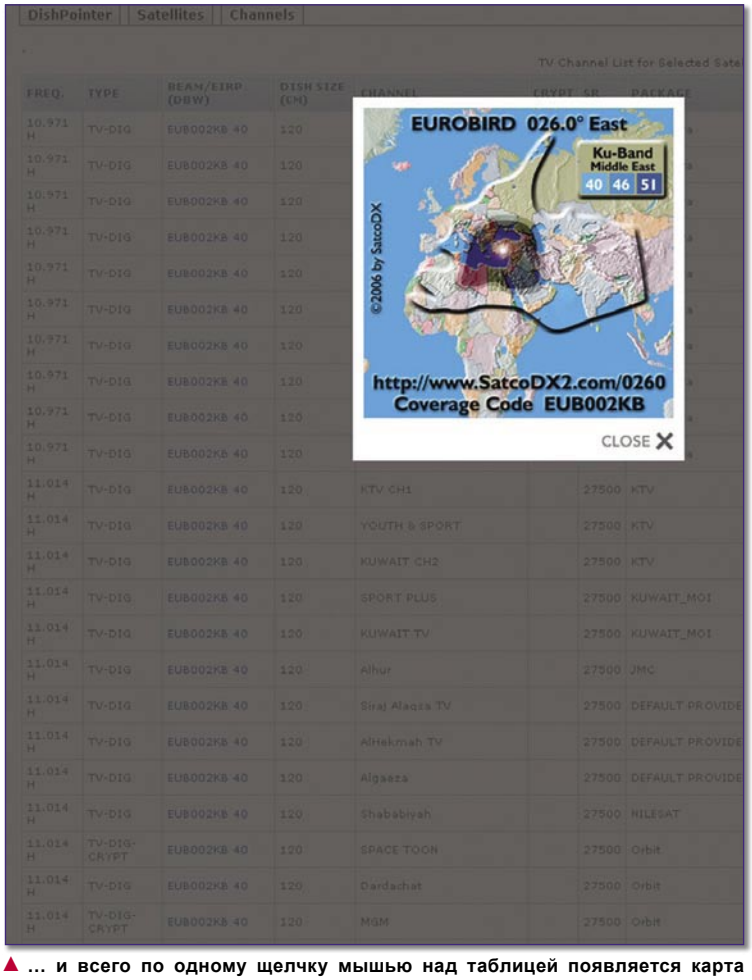
SATELLITE	BEAM/EIRP (DBW)	DISH SIZE (CM)	TV	RADIO	DATA
5.0E SIRIUS 2.3	SIR002KC	outside footprint	17	6	0
5.0E SIRIUS 2.3	SIR002KE	outside footprint	203	44	22
5.0E SIRIUS 2.3	SIR002KN	outside footprint	19	0	8
5.0E SIRIUS 2.3	SIR003KN	outside footprint	43	12	27
7.0E EUTELSAT W3A		N/A	1	0	0
7.0E EUTELSAT W3A	EUTW3AAB	outside footprint	23	9	13
7.0E EUTELSAT W3A	EUTW3ABA 40	120	62	81	31
7.0E EUTELSAT W3A	EUTW3ABB 40	120	113	4	17
9.0E EUROBIRD 9	EUB009KW 40	120	30	1	2
10.0E EUTELSAT W1	EUT0W1KE 39	135	21	0	0
13.0E HOTBIRD 6.7A.8		N/A	28	12	1
13.0E HOTBIRD 6.7A.8	HOT006KB	outside footprint	396	149	126

DishPointer | Satellites | Channels

TV Channel List for Selected Satellite

FREQ.	TYPE	BEAM/EIRP (DBW)	DISH SIZE (CM)	CHANNEL	CRYPT	SR	PACKAGE
10.971 H	TV-DIG	EUB002KB 40	120	JSC		27500	Al Jazeera
10.971 H	TV-DIG	EUB002KB 40	120	JSC Mubasher		27500	Al Jazeera
10.971 H	TV-DIG	EUB002KB 40	120	JSC International		27500	Al Jazeera
10.971 H	TV-DIG	EUB002KB 40	120	JSC Sports		27500	Al Jazeera
10.971 H	TV-DIG	EUB002KB 40	120	JSC Children		27500	Al Jazeera
10.971 H	TV-DIG	EUB002KB 40	120	JSC Documentary		27500	Al Jazeera
10.971 H	TV-DIG	EUB002KB 40	120	Qatar TV 1		27500	Al Jazeera
10.971 H	TV-DIG	EUB002KB 40	120	Alkass		27500	Al Jazeera
10.971 H	TV-DIG	EUB002KB 40	120	Test		27500	Al Jazeera
10.971 H	TV-DIG	EUB002KB 40	120	Test		27500	Al Jazeera
11.014 H	TV-DIG	EUB002KB 40	120	KTV CH1		27500	KTV
11.014 H	TV-DIG	EUB002KB 40	120	YOUTH & SPORT		27500	KTV
11.014 H	TV-DIG	EUB002KB 40	120	KUWAIT CH2		27500	KTV
11.014 H	TV-DIG	EUB002KB 40	120	SPORT PLUS		27500	KUWAIT_MOI
11.014 H	TV-DIG	EUB002KB 40	120	KUWAIT TV		27500	KUWAIT_MOI
11.014 H	TV-DIG	EUB002KB 40	120	Alhur		27500	JMC
11.014 H	TV-DIG	EUB002KB 40	120	Siraj Alaqsa TV		27500	DEFAULT PROVIDER
11.014 H	TV-DIG	EUB002KB 40	120	AlHekmah TV		27500	DEFAULT PROVIDER
11.014 H	TV-DIG	EUB002KB 40	120	Algaeza		27500	DEFAULT PROVIDER
11.014 H	TV-DIG	EUB002KB 40	120	Shababiyah		27500	NILESAT
11.014 H	TV-DIG-CRYPT	EUB002KB 40	120	SPACE TOON		27500	Orbit
11.014 H	TV-DIG	EUB002KB 40	120	Dardachat		27500	Orbit
11.014 H	TV-DIG-CRYPT	EUB002KB 40	120	MGM		27500	Orbit

▲ Отображаются даже каналы, которые можно принимать ...



▲ ... и всего по одному щелчку мышью над таблицей появляется карта покрытия спутника.

DVBShop TV Player

Alternative software solution for all TechnoTrend receivers

Anybody who purchases an internal PC card or external USB box of German manufacturer TechnoTrend is also provided with the software required to use the device. This TechnoTrend Media Center works well in principle, even though it lacks the finishing touches in some areas and – especially for beginners – a more intuitive interface would be helpful.

DVBShop is TechnoTrend's distribution partner in Germany and based on feedback from its customers it has decided to commission the development of its own TV player software. The project is carried out under the supervision of Bernd Hackbart, who also developed the DVBViewer Pro software, which is distributed via a website by the same name and has gained huge popularity among insiders, and who in the past has uncovered the wide world of possibilities hidden in TechnoTrend hardware.

In future, DVBShop customers will receive the in-house TV player bundled with appropriate hardware.

Everyday use

The DVBShop TV player is compatible with all TechnoTrend PC products of the Connect and Budget series, no matter whether it's an internal PC card or external USB box, as well as with the TechnoTrend TV stick. Reception of HDTV is possible and if the hardware is equipped with a CI slot, a DVB-S2 tuner or a TechnoTrend remote control you'll be able to use these features as before. We experienced no difficulties whatsoever when installing the software on our lab PC and as far as hardware was concerned we used the TechnoTrend S2-3650CI receiver which was presented in TELE-satellite only recently.

Before we could begin our in-depth test of the software capabilities we first had to run a signal scan. Of course there is a pre-programmed satellite list comprising 160 European, Asian and American satellites, but the default version is not really up to date. Thankfully, however, it can easily be updated via the Internet, for example at http://joshyfun.peque.org/transponders/index.html.

Just like the TechnoTrend Media Center the DVBShop TV player is compatible with DiSEqC 1.0 and – apart from the standard Ku band – supports C band reception. Even if you use a more exotic LNB you'll be fine using the manual LOF input.

Apart from satellite reception this software is also perfectly suitable for DVB-T and DVB-C with the scanning menu featuring the required options for all three modes.

Signal scans can be performed manually on a selected transponder or on the entire satellite based on the pre-stored transponder list and can be restricted to FTA only, if required. Instead of a full signal scan overriding the existing list it is also possible to perform an update scan only.

The swiftness of the scanning process was impressive, as it took only slightly more than four minutes to do a full scan on a 90-transponder satellite, even though not all active channels could be found due to the somewhat out-of-date transponder lists.

Once the signal scan is finished the first active channel comes up on screen and with it a clearly arranged info bar is inserted in the lower part of the TV window. The bar displays the name of the current and next events (if provided by the channel operator) as well as the channel number.

The EPG is just as easy to use and – what's even more – it is of the very speedy kind. Simply click on the EPG button in the upper area of the video window and all the information you could ever want becomes available. It's another good thing that events can be selected directly in the EPG for recording – it doesn't get much better than this.

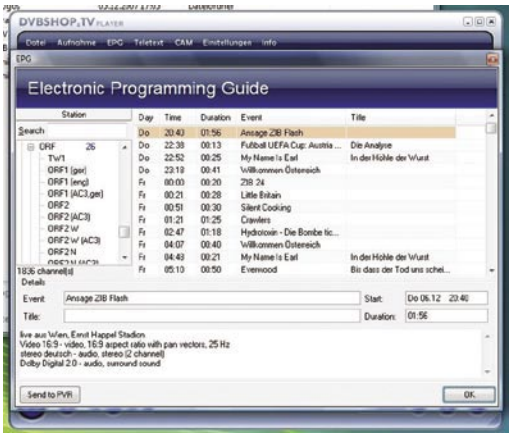
We were also delighted with the time shift mode which allows freezing the currently watched program at any time and continuing playback again at a later time. This is very handy if the phone rings while you're watching your favourite show, for example.

We also tested all the little features that we have come to expect from modern receivers, such as teletext, subtitles (teletext and DVB) as well as CI management. All of these worked flawlessly.

Apart from watching television the software can also be used as media player for all conventional video formats like DiVX, MPEG, video CD, ASF, WMV, WMA, OGG and OGM, which makes it an ideal replacement not only for TechnoTrend's own Media Center but for virtually any media player you may have been using so far.

In future the tool is expected to support NVOD services as offered by some pay TV operators like Premiere in Germany and Austria. For the time being, the appropriate on-demand channel has to be looked for manually in the overall channel list, whereas with future NVOD support there will be a dedicated menu item for that.

The DVBShop TV player is available from the DVBShop website at www.dvbshop.net.



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Innovation + Communication = INVACOM GLOBAL

Alexander Wiese

Может это и не совсем правильно грамматически, но название INVACOM состоит из двух слов – инновации и коммуникации. Второе слово напрямую связано со спутниковым вещанием, а первое, ну, собственно, это мы и попытались выяснить. Что же настолько инновационного в INVACOM-е ? Чтобы узнать об этом, мы отправились в Стивенэдж к северу от Лондона. Одно время Стивенэдж был центром английского самолетостроения, сегодня же Вы обнаружите там огромный торговый центр, в стиле скорее тех, что мы привыкли видеть в США. Примерно в тех же краях расположена и компания INVACOM.

Компания была основана в 2000 году. Ее отцы-основатели – инженеры-микроволновщики, Гари Стаффорд и Дейв Смит, ранее работавшие в Marconi над созданием конвертеров. Они осознали перспективы рынка прямого спутникового вещания (DBS), и решили заняться самостоятельным претворением в жизнь своих планов. Они нашли серьезного инвестора в лице Роджера Пэнела, который, в 1984 году, буквально основал компанию GLOBAL COMMUNICATIONS в собственном гараже, компанию, специализирующуюся на производстве спутниковых аксессуаров. Первый успешный продукт GLOBAL в 1984 году – переключатель Magic, с помощью которого можно было переключать поляризации; такие же устройства, как DiSEqC-переключатели и другие, например tvLINK, появились намного позже.

Роджер, разумеется, смотрел в завтрашний день. В 2000 году он понял, что будущее индивидуальных спутниковых компонентов весьма критично. Появление нового производителя конвертеров, такого, как INVACOM, открыло для него совершенно новые перспективы. Роджер Пэнел на пять лет отдал свою должность в умелые руки Тони Тэйлора, нового генерального директора Global Communications. Роджер перестал принимать активное участие в делах компании, и в настоящее время посвятил себя гуманитарным про-

▲ **Компания INVACOM недавно переехала в данный офисный центр. Издалека он выглядит превосходно. Их предыдущий офис, недалеко отсюда, стал им слишком тесен. Пикап Mitsubishi, принадлежащий Джерри Вогану, находится на гостевой парковке перед зданием. Он увлекается рыбной ловлей, и часто пользуется этим автомобилем для своих поездок за город.**

▲ **Заглянем во двор. Дверь справа ведет на склад INVACOM. После слияния INVACOM и GLOBAL COMMUNICATIONS в начале 2007 года, вся их продукция поставляется клиентам с этого склада. Ранее он принадлежал другой компании.**

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Один из самых успешных продуктов GLOBAL COMMUNICATIONS, ранее партнера INVACOM, теперь имеет брэнд INVACOM. DiSEqC-переключатель для оператора платного ТВ в США. 10 миллионов таких переключателей было произведено и поставлено к июню 2005 года. Тем не менее, это продукт, не имеющий большого будущего. Сегодня DiSEqC-переключатели интегрируются в совмещенные конвертеры.

ектам в Африке. Нельзя не оценить по достоинству такого решения, когда человек, заработавший состояние, теперь вкладывает свои усилия и средства в то, чтобы жизнь людей в таком непростом регионе нашей планеты стала лучше.

После появления GLOBAL COMMUNICATIONS, как неотъемлемой финансово части INVACOM, на рынке появился их первый продукт – конвертер, специально разработанный для Channel Master.

В 2003 году владельцы пошла еще дальше: Джерри Воган возглавил отдел продаж и маркетинга, а Джон Парфит руководит производством.

Джерри Воган рассказал нам о ситуации несколько подробнее: «Сегодня в INVACOM трудятся 23 человека. Четверо в руководстве, 10 – инженеры дизайна, пятеро на производстве, двое на складе и еще двое – в отделе продаж и мэнеджмента».

Джерри продолжил свой рассказ, отмечая необычный, но заслуженный рост продаж: «В фискальном году с апреля 2005 по март 2006, наши продажи составили 2.1 миллиона фунтов Стерлингов, год спустя, то есть к марту 2007 года, эта цифра составляла уже 7 миллионов фунтов, к концу марта 2008 года мы ожидаем продаж на 11 миллионов фунтов Стерлингов».

Продажи удваиваются каждый год? Фантастика или реальность? Мы подошли к этому вопросу скептически, и именно сейчас Джерри представил нам реальный INVACOM. INVACOM разработал специальные конвертеры, оснащенные трансивером или без него, а также для Ku- и Ka-диапазонов для крупнейшей сети операторов VSAT в мире.

Одна из моделей, помимо конвертера, включает в себя также специальный волновод. Такие системы узко специализированны, и поставляются лишь провайдерами в комплекте с подпиской на их услуги. Для INVACOM же – это линейка продуктов, значительно увеличившая продажи.

При более близком изучении статистики, мы выяснили, что большая часть продаж приходится на США. Джерри произвел географический анализ: «В 2007 году 55% наших продаж приходились на США, 30% на Европу и 15% на Азию».

В 2008 эти цифры изменятся еще значительнее. «65% продаж будут приходиться на США», уверенно заявил Джерри, поскольку большинство заказов уже поступило, «15% на Европу и 20% - на Азию».

Руководство компании INVACOM прекрасно понимает зависимость от нескольких крупных клиентов, а также возможные негативные последствия такого положения вещей. И именно тогда, когда разговор зашел об этом, в руках Джерри появился оптоволоконный кабель. В чем же суть на самом деле ?

Дело в том, что Джерри продемонстрировал нам конвертер с оптоволоконным подключеним. Это как ? И что это ? Мы что, уже не на Земле, а на летающей тарелке ? Джерри засмеялся. «Одному из наших основателей, Гари Стэффорду, эта идея пришла в голову в 2007 году».

Вопрос о том, возможно ли это уже с технической точки зрения, получил четкий ответ. Первые прототипы уже существуют. Необходимо еще проделать немало работы, однако, подобные системы должны уже быть на рынке весной 2008 год.

Самое существенное преимущество оптоволоконной системы – очень небольшие потери сигнала. На данном этапе, сигнал может быть «разделен» 32 раза, то есть можно подключить до 32 пользователей, безо всякой необходимости усиливать сигнал. Даже вопрос о максимальной длине кабеля можно считать решенным, при столь малых потерях, длина кабеля может быть значительной.

Эндрю, менеджер по отповолоконным проектам компании INVACOM, рассказал нам о данной технологии. «Две поляризации располагаются друг над другом, таким образом, мы используем передающий лазер частот от 1 до 5 ГГц в конвертере».

Для распространения сигнала в оптоволоконной сети используются двух- и четырехнаправленные делители, и специальные настенные устройства отвечают за подключение оптоволоконного кабеля к стандартному спутниковому ресиверу. «Почему в конвертерах все еще используется F-разъем?», невинно поинтересовались мы. «Для конвертера этот разъем служит источником питания», объясняет Эндрю, «поскольку напряжение по оптоволоконному кабелю не подать». Ну конечно.

Использование оптоволоконных кабелей для транспортировки спутниковых сигналов – настолько новая технология, что мы даже никогда не задумывались о ее будущем.

Данная технология крайне интересна, и разрабатывалась с мыслями о будущем. Больше никаких потерь: кабель может быть очень большой длины! Устаревшие системы распространения окончательно останутся в каменном веке. Оптоволоконный кабель намного тоньше коаксиального. Если одновременно провести несколько оптоволоконных кабелей, можно получить доступ к большему числу спутников.

Тони Тэйлор – генеральный директор компании. Прожив много лет во Франции и Германии, он в совершенстве владеет французским и немецким. Здесь он демонстрирует нам приз, полученный от ASTRA за развитие оптоволоконных технологий.

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Значительная часть перечисленного – все еще удел будущего. Одно преимущество ясно уже сейчас –оптоволоконные кабели могут оснащаться разъемами уже на этапе подготовки. Независимо от того, какой длины кабель, потери очень незначительны (0.3 дБ на км). Если заранее подготовленный кабель оказался длиннее, чем необходимо, запас можно оставить в перекрытиях или на чердаке. Немаловажным преимуществом является и то, что оптоволоконный кабель дешевле коаксиального, проще в хранении и перевозке.

Если развитие данной технологии продолжится, а аргументов против этого нет, ресиверы будут поставляться уже с разъемом для оптоволоконного подключения конвертера.

Все это необходимо как следует продумать; каковы могут быть последствия внедрения этой новой технологии ? Что будет, например, с петлевым соединением ? А какова будет ситуация с двумя, тремя, четырьмя, пятью или шестью приемными системами, если «делить» сигнал будет настолько просто ?

Журнал ТЕЛЕ-сателлайт расскажет об этом в следующем номере, 04/2008. Ну а к тому времени, уже появятся готовые к использованию компоненты. Если Вы хотите ознакомиться с этой технологией «вживую», просто посетите выставку ANGA 2008 – Джерри Воган будет представлять эти оптоволоконные конвертеры на стенде NEW GLOBAL INVACOM. Несмотря на то, что данная технология абсолютно нова, у Invacom припасено еще немало сюрпризов. Высокопроизводительный переключатель также будет представлен в следующем номере нашего журнала, а в одном из последующих номеров – не менее интересное устройство, которое позволит выполнять частотный сдвиг для различных поляризаций.

INVACOM: компания всецело оправдывает свое название!

Джерри на своем «капитанском мостике». Сотрудники, отвечающие за безопасность в офисе, неспроста настояли на подставке под ноутбук – таким образом его экран будет располагаться на уровне глаз. Сью Туоми, на заднем плане, работает с Джерри, занимаясь вопросами маркетинга и менеджмента.

Даже электроника внутри конвертера просчитывается досконально. Эдриан Брикстон демонстрирует нам эмулятор печатных плат на своем компьютере. Он разрабатывает их макеты, после чего пользуется компьютером для определения того, насколько проект будет соответствовать реальным условиям.

Как Вы протестируете концепцию Вашего конвертера ? Сегодня и за это отвечает техника. Крис Тимминс представляет нам «Симулятор Структуры ВЧ». С помощью данного ПО, просчитывается поведение конвертера и его облучателя. На данном снимке, Крис занят оптимизацией поляризатора конвертера. Он изменяет несколько параметров, симулирует спутниковый сигнал, и пытается внести некоторые доработки.

Продукция INVACOM производится в Китае под постоянным контролем. Благодаря Skype, это уже не серьезная статья расходов. INVACOM созванивается с производителями каждое утро, чтобы обсудить планы на предстоящий день. Один из Интернет-серверов постоянно получает производственные данные, которые всегда в распоряжении INVACOM. Однако, виртуальные данные необходимо проверять и в реальности. Здесь Энди Боулт проверяет частоту гетеродина только что поставленного конвертера. Вроде все нормально. Анализатор спектра выдает 9.75 ГГц, одно нажатие клавиши, и – уже 10.6 ГГц. Превосходно!

Здесь INVACOM создает будущее

Дейв Смит, технический директор, и один из трех основателей INVACOM.

Гарри Стэффорд, которого прозвали «сумасшедший профессор», управляющий директор и еще один основатель компании INVACOM.

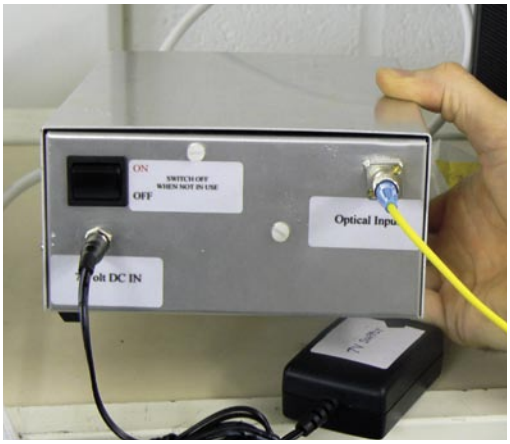
Джон Парфитт – операционный директор. Он с компанией INVACOM с 2003 года, в качестве партнера. Ранее он работал на Marconi и Channel Master.

Роджер Пэннелл сделал успех компании возможным – он инвестировал в INVACOM и впоследствии осуществил слияние с GLOBAL COMMUNICATIONS. GLOBAL COMMUNICATIONS располагается в другом офисе, и занимается аксессуарами, такими, как DiSEqC-переключатели.

Джерри Воган – партнер INVACOM с 2003 года. Он ветеран маркетингового дела, с 30-летним опытом, 15 из которых он отдал SIS, Hughes Network Systems и Red Wing Satellite Solutions, провайдеру услуг по доставке сигнала на спутник.

Эндрю – менеджер по оптоволоконным проектам компании INVACOM. Его полная стрессов работа – в прямом смысле построение будущего – объединение конвертеров и оптоволокна.

Майк тестирует прототипы. Здесь мы видим один из них – искусственно созданный спутниковый сигнал проходит 30-метровый путь по оптоволокну до конвертера. Он пользуется специальным измерительным прибором для того, чтобы убедиться, что потери не превышают требуемых значений.



Это «настенное устройство» имеет разъем для оптоволоконного кабеля в передней и для коаксиального – в задней. Как Вы видите, «настенному устройству» необходимо питание. Впоследствии, после начала массового выпуска, напряжение будет подаваться с конвертерного разъема ресивера.

Будущее уже наступило, и читатели ТЕЛЕ-сателлайт уже знают больше – вот он, первый прототип конвертера с оптоволоконным разъемом!

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iP Internet Protocoll Personal Video Recorder PVR

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Jiuzhou (Джиужоу) исполняется 50 лет

Alexander Wiese

Компания Jiuzhou (Джиужоу) была основана в 1958, и в то время была изготовителем компонентов систем связи. Их штаб-квартира располагалась и все еще находится в Городе Mianyang в провинции Сычуань, одного из высокотехнологичных индустриальных центров Китая. Сегодня эта компания состоит из конгломерата 48 различного рода фирм, связанных с коммуникационной промышленностью.

По своему статусу, Jiuzhou (Джиужоу) принадлежит к 500 лучшим Китайским компаниям. В прошлом году она занимала 264 позицию в этом списке, который обновляется ежегодно. Их 50-ая годовщина была достаточной веской причиной для нас, чтобы нанести визит в Шенжен (Shenzhen) подразделение Jiuzhou (Джиужоу), которая специализируется на производстве спутниковых приемников. Мы уже писали ранее в нашем выпуске 03/2007 о Jiuzhou (Джиужоу) и среди прочего упомянули о том, что они были единственной спутниковой компанией расположенной рядом со станцией Метро.

Тем временем, Jiuzhou (Джиужоу) переместилась в намного больший офисный комплекс. Так как станция Метро расположена не на их землях, а на расстоянии нескольких сот метров от них, то вскоре после публикации этого выпуска, линия № 1 Метро Шенжена будет продолжена и будет открыта станция Ke Ji Yuan. Это - хороший подарок ко дню рождения Jiuzhou (Джиужоу)!

Г. Нунг Ю (Nung Yue) ответственный за строительство Джиужоу (Jiuzhou), объяснил нам, "Строительство началось в 2003 и было закончено в 2007 году. Теперь Мы имеем в нашем распоряжении в общем 36,000 кв.м. офисных площадей." В настоящее время, не всё это место находится в использовании. Сейчас 2000 служащих, работают в девятиэтажном здании, подразделение может фактически принять до 4000 служащих ", сказал Нунг Ю (Nung Yue). Очевидно, руководители Джиужоу имеют весьма оптимистическую перспективу на будущее.

Что скажет об этом руководство? Мы спросили Главного управляющего Shenzhen Jiuzhou Electric Co., Ltd. Господина Йорка Кси (York Xie) о ситуации в Джиужоу (Jiuzhou). Он сообщил нам, "В 2007 году мы

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▲ Генеральный директор Джиужоу в Шенжене / Китай - Йорк Кси (York Xie)

▲ На крыше здания Джиужоу: семь антенн, естественно их собственного производства, они профессионально установлены так, чтобы инженеры разработчики могли принимать все доступные спутники с максимальной силой сигнала. Г. Нунг Ю (Nung Yue), ответственный за здание вместе с инженером разработчиком.

достигли продаж на US $120 миллионов. В 2008 году мы ожидаем увеличение приблизительно на 60 %."

Удивительно, но это - именно тот рост, о котором большинство других компаний могут только мечтать. Мне было интересно знать, как эти продажи распределены.

Йорк Кси (York Xie) объясняет: " 50 % нашего производства идёт на Китайский рынок, а другие 50 % экспортируются."

Он также рассказал нам об их производственной стратегии: "40 % продаж связаны с производством для дилеров, в то время как 60 % - обеспечиваются заказами под программы поставщиков."

Последнее весьма примечательно, потому, что эти покупатели весьма придирчивы к тем, кто снабжает их приемниками.

Их стратегия бизнеса основана не только на обеспечении совершенного приема, но также и на том, что бы их приёмники функционировали надежно на протяжении многих лет, имея гарантированную поддержку для клиентов.

"Эти требования могут быть выполнены только несколькими изготовителями", объясняет Йорк Кси (York Xie) , " В Китае есть только два таких квалифицированных изготовителя, и один из них – Джиужоу (Jiuzhou)."

Но Джиужоу (Jiuzhou) не только изготовитель приемников (не только DVB STB, но также и ATSC STB и IP STB), они также производят антенны.

Даиси Лиу (Daisy Liu) из Sichuan Jiuzhou Electronic Technology Co ., Ltd –ведущий руководитель проекта по параболическим антеннам, рассказала нам, " Джиужоу (Jiuzhou) производит антенны Ku-диапазона 45, 60, 75, 90 и 92.5 cm типоразмеров "

Антенны также производятся для C-диапазона 1.2, 1.5, 1.8 и 2.4-метра.

" 60 и 75 cm размеры - наши бестселлеры ", говорит она, " 60 % нашего производства идет на экспорт, при этом 60 % приходится на Ближний Восток, 20 % в Южную Америку, 10 % в Восточную Европу и 10 % в Северную Африку. " Большинство антенн - OEM, то есть имеют эмблему клиента, уже отпечатанную на антенне.

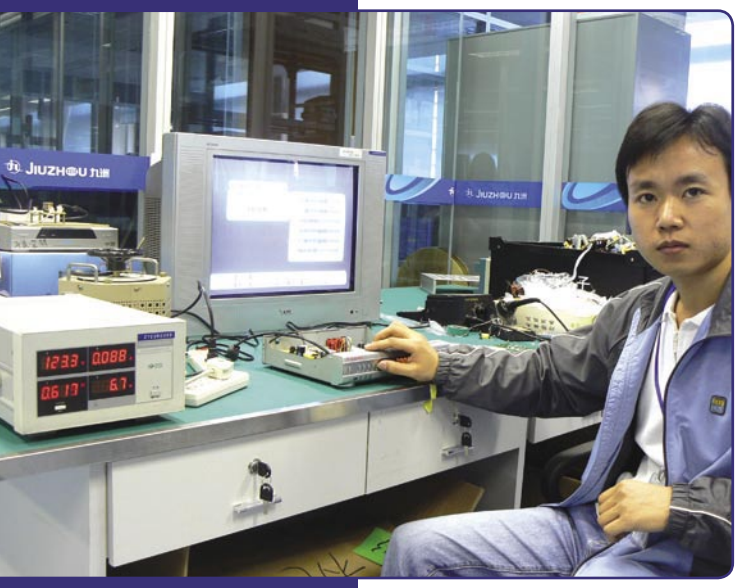
Профессиональные Головные станции также производит Jiuzhou (Джиужоу). Мы говорили с Директором Экспортного Отдела Иончином Шоу (Yonchin Shou), из Sichuan Jiuzhou Electronic Technology Co ., Ltd, об этой стороне их бизнеса. Он объяснил, " Наши клиенты - естественно местные дистрибуторы. И даже несколько кабельных

◀ Jiuzhou's imposing new office building in Nanshan's southern technology park, a part of Shenzhen city. The nine-story building houses the offices, the building to the right houses the reception hall as well as a café and recreation room. The building doesn't have nine stories arbitrarily: "Jiu" in Chinese means "nine". Since this is the last and highest number, "Jiu" also means "long life".

▲ Кто не захотел бы покупать антенны у Даиси Лиу (Daisy Liu)? Она - Менеджер проекта по Спутниковым антеннам

David Xia,(справа),который является международным Коммерческим Менеджером объясняет Alexander Wiese коммерческий успех у покупателей спутниковых приёмников от Джиужоу.

Проверка компонентов до и в процессе производства. Здесь мы видим двух техников, работающих в испытательной лаборатории.



Даже программное обеспечение должно быть проверено. Здесь техник проверяет программные функции ресивера Джиужоу.

12:00 полдень - время завтрака. Столовая Джиужоу предлагает на завтрак своим служащим большое разнообразие блюд. Джиужоу заботится о служащих. Они работают от 8:30 утра до 6 вечера, а также и по субботам до полудня. Их часовой завтрак – это фактически полтора часа, в течение которых многие служащие пользуются преимуществом послеобеденного сна, это обычная практика в Китае.

компаний. " Иончин Шоу (Yonchin Shou) пояснил географию поставок и удивил нас, рассказав о том, что 40 % этих изделий направляются в Латинскую Америку. " 30 % идут в Восточную Европу, включая Россию, 20 % на Ближний Восток и 10 % в Юго-восточную Азию. " Это распределение, которого мы не ожидали, подмигивая, объяснил Иончин Шоу, " Цена - наших изделий - это приблизительно половина цены заграничных изготовителей, но обычно она выше, чем у других Китайских производителей "

Таким образом, Jiuzhou (Джиужоу) может получить высокую долю рынка в Латинской Америке, потому что в тех странах качество - самый главный критерий. 20 % их профессионального производства – тяготеет к аналоговой технологии,30 % к цифровым и 50 % - к оптоволоконным сетям. Jiuzhou (Джиужоу) - также поставщик LNBs. Мы говорили с Джерри Чу (Jerry Chu), Вице-президентом Shenzhen Xiang-Cheng Electronic Technology Co., Ltd дочерней компании Jiuzhou (Джиужоу) также размещенной в новом офисе Джиужоу. Он сказал нам, " В Китае мы первые, выпускаем на рынок моноблок LNB со смещением 4.3 °. " Это предназначается для Европейской зоны приема ASTRA в 19.2 ° и 23.5 °, или также 23.5 ° и 28.2 °.

Это - превосходное решение, если HDTV каналы должны быть получены одновременно. " Мы предлагаем LNB моноблок во всех разновидностях: одноходовой, двухходовой, и даже четырёх ходовой."

Jiuzhou (Джиужоу) также предлагает LNBs моноблок со смещением 3 ° и 6 °. И в заключение всего из этого, конверторы С-диапазона также изготовляются, "но они составляют приблизительно, 5 % наших продаж и продажи продолжают уменьшаться", сказал Джерри Чу (Jerry Chu), "Производство мульти-переключателей весьма выгодно для нас; мы делаем их с 2007 и предлагаем их как OEM изделия."

Они также имеют планы на будущее: "техническая группа, занята работами по разработке LNB для Ка-диапазона, но они выйдут на рынок только через несколько лет", как раз, в то время как ожидает Джерри Чу (Jerry Chu),когда появится спрос для них. Они могут увеличить производство конверторов максимально до 1,000,000 штук в месяц.

Теперь мы хотели знать, как выглядят их продажи спутниковых приёмников. Лучший человек для этого вопроса - Дэвид Ксиа (David Xia), Международный Коммерческий Менеджер

Это - Линда Ли (Linda Lee). Она - Вспомогательный Директор в Международном отделе маркетинга и рекламы Джиужоу в средствах информации и на торговых выставках. Она весьма много путешествует, " Я была недавно на торговом показе во Франции ", рассказала она нам о своём путешествии. Она всегда помещает своё сердце и душу в работу. " Я горжусь этой компанией; мы - все вроде одного большого семейства." Компания Джиужоу регулярно проводит, различные мероприятия, типа спортивных состязаний, привлекая всех служащих. Идея состоит в том, что все их служащие должны чувствовать связь с их компанией. И это не удивительно, престижно работать на Джиужоу; успехи этой компании делают каждого служащего счастливым.

Shenzhen Jiuzhou Electric Co ., Ltd. Он руководит 19-ю служащими в экспортной коммерческой группе. Он просмотрел статистику и объяснил, " 45 % наших ресиверов идут в Европу, и 50 % оседают на Ближнем Востоке, включая Турцию и Северную Африку, остальное поставляем в другие места."

Дэвид Ксиа (David Xia), оценивая новый рынок в Северной Америке. Объяснил - "В 2008 мы хотим расширить наш экспорт в тот регион", и это по большей части поглотит американский рынок приемников для наземного HDTV ATSC вещания.

"Максимально мы можем производить 900,000 ресиверов в месяц", комментирует Дэвид Ксиа (David Xia), " и к настоящему времени мы сумели увеличивать продажи за границу на 30 % ежегодно."

Мы также говорили с ним о рыночной политике Jiuzhou (Джиужоу): " На некоторых рынках мы используем наш собственный фирменный знак, который мы хотим внедрить в высококачественный сектор. " Jiuzhou (Джиужоу) также работает с некоторыми ключевыми дистрибуторами в различных сферах рынках для OEM/ODM бизнеса.

"In peace lies strength" говорил Будда. Поэтому, не может быть встревожен, Джерри Чу (Jerry Chu), Вице-президент дочерней компании Джиужоу, которая производит конверторы и мультипереключатели

"Мы уже успешно представили наши фирменные знаки в Таиланде и Индонезии", сказал Дэвид Ксиа (David Xia), "Эти страны – довольно близко к нам, но мы хотим расширяться и в других странах маленькими шагами, особенно в Азии и Австралии."

Другой большой целевой рынок на 2008 - Латинская Америка.

В заключение, Генеральный директор Shenzhen Jiuzhou Electric Co ., Ltd. Йорк Ксиа (York Xie) перечислил нам некоторые новые изделия, которые будут запущены скоро в производство:

- HD DVB-S2 CI модули условного доступа DVB-S2 (январь/2008)
- HD DVB-T CI модули условного доступа DVB-T (февраль/2008)
- ATSC-T HD STB (январь/2008)
- ISDB-T STB (июнь/2008)
- HD Viaccess DVB-S2 (июль/2008).

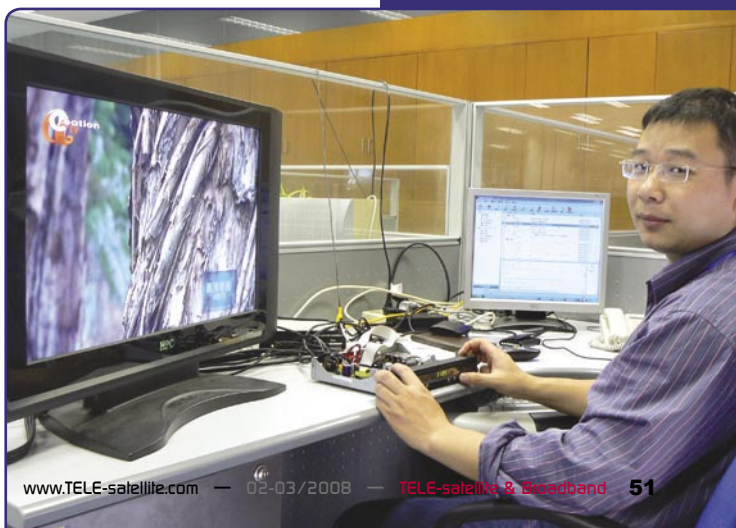
Иончин Шоу (Yonchin Shou) - Директор Отдела экспорта и ответственный за профессиональные приборы.

Jiuzhou (Джиужоу) – крупный изготовитель всего этого ряда оборудования, имеет превосходных техников и инженеров, разрабатывает и производит продукцию, которая оправдана экономически. Действительно, эта стратегия оказалась оправданной, так как большой изготовитель в глобализированом мире с его жестким соревнованием, определенным образом оказался прав.

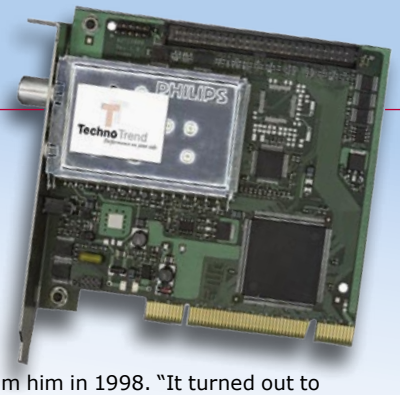
Здесь инженеры работают над дальнейшим развитием DVB-S приёмников.

Jiuzhou (Джиужоу) развила эту стратегию и достигла соответствующих темпов роста с концентрацией на одной цели: это высокое качество с высокой производственной мощностью.

Джиужоу (Jiuzhou) может гордо праздновать свой 50-ый день рождения в 2008!



Инженер работает над программным обеспечением для HDTV ресиверов.



DVBShop Worldwide

There aren't too many satellite dealers that can say they are active worldwide. Most of them concentrate on their own country and maybe a few neighboring countries. One of the few active worldwide dealers is DVBShop in Germany. We wanted to know how DVBShop became one of the pioneering worldwide satellite dealers and decided to pay a visit to Axel Hundt, a majority owner in DVBShop, at the Munich Airport. We really didn't have to travel far; Munich is also home to TELE-satellite.

Of course, there's a story behind why DVBShop developed itself into a worldwide company and how a number of coincidences played a roll in that development. But first we wanted to find out from Axel Hundt how it all started. He explained to us, "I started working back in 1987 as a Project Manager and later on as a Purchasing Manager for a company in the computer field."

In 1994 he switched from being an employee to being an owner: he founded the company "Columbus Computer" and distributed PC components. That worked out so well that he ended up with 28 employees. IAT Multimedia, a big name in the industry, found out about Axel Hundt's young company and bought it from him in 1998. "It turned out to be a good move: half of the purchase price I received as cash and the other half was in the form of stock", he remembers. He also had no problems giving nearly half of the cash away as capital gains taxes – he still had the stock. The purchase contract saw to it that he remained in charge of the company for another three years.

At the end of his three-year contract, Axel Hundt backed away from the IT industry and worked as an independent management consultant for various medium-sized firms in the controlling, finance, accounting and logistics department. During this time he was able to find time again for his hobby: satellite reception with PC cards, something he had already occupied himself with since 1998: early on he constructed a PVR with which he simply recorded MPG2 streams.

In 2001, mostly out of boredom, he decided to pay a visit to the CeBIT computer trade show in Hannover, Germany. While stopping by the TechnoTrend booth, he discovered a PC card that could do everything

DVBShop has its headquarters in this modern office complex near the Munich Airport.

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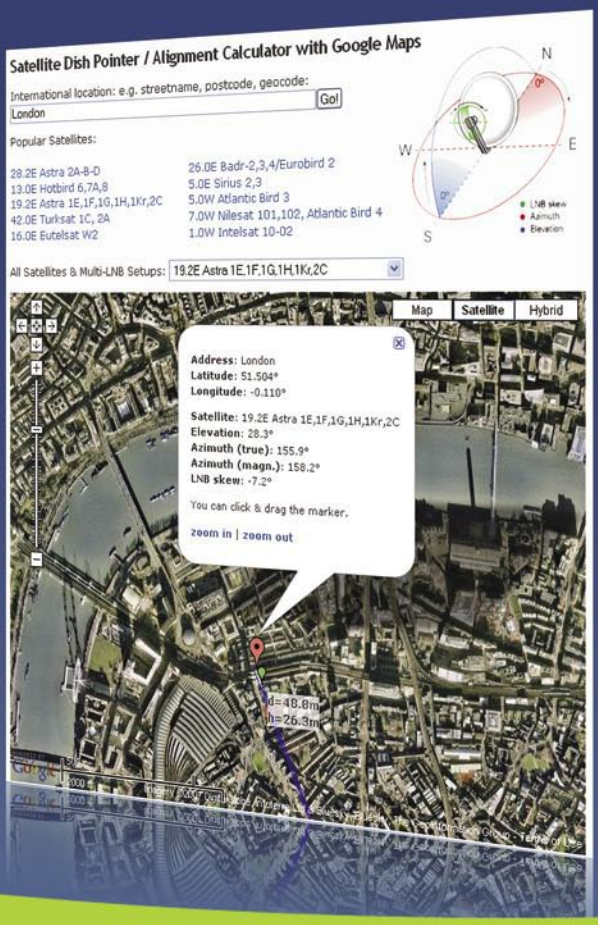

References

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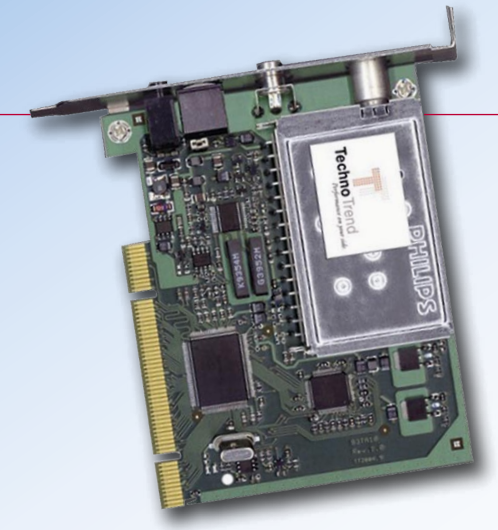

you could possibly want a PC card to do. He asked what 500 of these model S1600 PC cards would cost and immediately placed an order. Not one week later a truck pulled up to his garage and unloaded a palette.

Now he had to get rid of these PC cards. He started by contacting a DXer friend and offering these cards on various satellite forums in the Internet. He couldn't believe it: in just two months he sold all of his PC cards!

"I ordered a second shipment right away and found out that there was a 2-3 month backorder." What to do now?

"Then I remembered a friend I had at Siemens; I knew that they also bought these cards." Then came the surprise: Siemens had 6,500 of the previous model S1300 cards in stock and didn't exactly know what to do with them. Axel Hundt saw his chance but there was a catch: "I was not allowed to sell these cards in Germany."

This restriction would have scared others away but Axel Hundt saw this as a golden opportunity and focused himself on selling these cards internationally. This turned out to be the cornerstone of his new company that he founded in 2001 and named DVB-Shop: an appropriate name – his company was a shop and he sold DVB components.

Since he was compelled to focus his efforts internationally, he dedicated himself intensely to this theme: "I set up my website first in English and learned how to fill out customs paperwork for shipments all over the world." he explained, "Today, DVBShop delivers to every country in the world; we know the shipping costs and customs formalities for each country."

By the end of 2001, he had three employees; the business flourished to the point that his garage was no longer big enough no matter how hard he tried to squeeze everything in it. "The company that supplied my packing materials became my fulfillment center in early 2004." This finally gave him some time to expand on his website by adding additional languages, a download section, a forum and a currency calculator. He also expanded his product range by adding DVB-C and DVB-T.

Another development that helped bring DVBShop to its current position was shipping costs. While in the beginning it was a lucky coincidence that Axel Hundt was close to the Munich Airport and thus had a short trip to deliver his products all over the world, globalization set up new hurdles for him: DHL opened a freight hub in Leipzig in eastern Germany and started by offering very inexpensive shipping rates. For a global company such as DVBShop that in 2005 had 80% of its sales ship internationally, freight charges were a very high cost factor.

What did Axel Hundt do about this? As in the past where he was compelled to focus on international sales, he came up with something good out of necessity: "One of my biggest customers in Germany was Mario Giebler who happened to be near Leipzig. He sold almost exclusively within Germany."

It didn't take long for things to click. "We mutually decided to form a corporation." Axel Hundt dealt with all the international customers while Mario Giebler focused on the domestic clientele with its much cheaper shipping costs.

We asked Mario Giebler how he ended up selling satellite components: "Actually I am an electrical installer", he explained. He worked with a small installation company with 7-8 employees.

"In 1995 my boss at that time decided to also offer satellite antenna installations", he remembers, "I installed my first antenna in 1995; a simple 60 cm ASTRA system."

In the year 2000, he decided to start selling satellite components on the side. He founded his own website through which he sold PC cards. Back then an Internet-via-Satellite service started that financially supported the necessary PC cards for data reception. Clever handymen quickly discovered how to convert these data cards so that they could also receive TV and radio. These subsidized cards became popular overnight. Mario had the right product at the right time.

In 2003 he gave up on his original job and focused himself fulltime on his website. He soon found a new supplier for the PC cards that he sold: DVBShop.

DVBShop became a corporation in March 2005; Axel Hundt had 80% ownership and Mario Giebler had 20%. In 2007, DVBShop sold more than 30,000 PC cards around the world, although, Axel Hundt is not sure if these numbers will increase appreciably in 2008.

"It depends on whether or not we will find

◀ Orders are handled the very same day. No problem since the warehouse is nicely stocked. Even larger orders can be taken care of immediately.

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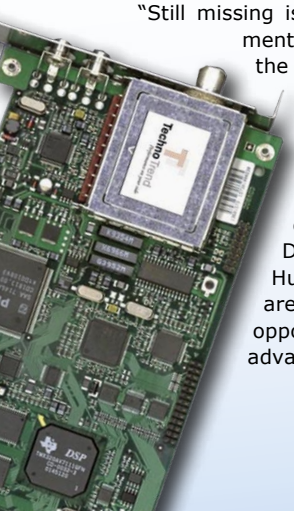
additional distributors", he said revealing his strategy. "The PC card business looks good in the Middle East, North America, South America and the CIS countries", expects Axel Hundt. He is inviting wholesalers and retailers in these areas to work together with DVBShop. He knows what cards are needed in each of these countries and also how to ship them.

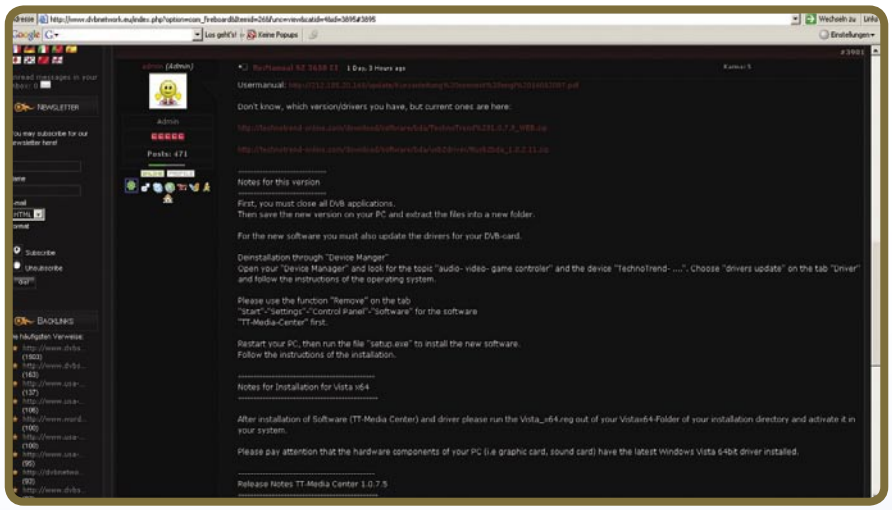
On the subject of HDTV, Axel Hundt told us that in 2007 40% of the PC cards that were sold were equipped with DVB-S2 tuners. "For 2008 we expect an increase to 60% and in 2009 100% of the PC cards sold should be the DVB-S2 version." An interesting note: if you are still buying DVB-S cards in large quantities, you should get rid of them as soon as possible – just another argument that you should work with a professional who knows his way around in the market.

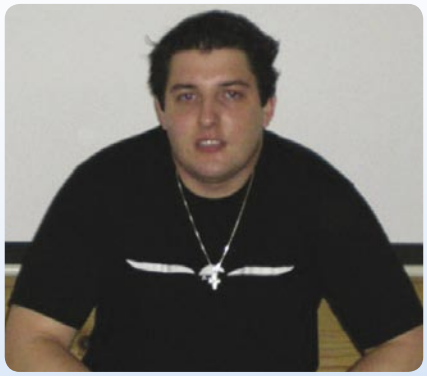


"Still missing is a card with a CAM", comments Axel Hundt who regrets that the PC card manufacturers often still think nationally and don't pay much attention to the global market.

And that's just the kind of chance for a company such as DVBShop. In conclusion Axel Hundt stated that, "Obstacles are not a problem, they are an opportunity that you must take advantage of!"

DVBSHOP Customer Service





▲ **Customer questions are answered in the www.dvbnetwork.eu forum. The installation of a PC card can sometimes be complicated since every PC is configured differently. Fortunately, most of the problems have been seen before. The forum's search function finds the answers.**

◀ **Daniel Bechter moderates the DVBNETWORK forum. He is a computer specialist and explained to us, "I bought my first PC card in 2000; it was a premium card from TechnoTrend." His primary interest is in Home Theater. He tests every new PC card that becomes part of DVBShop's program.**

Infosat goes Quality

In TELE-satellite 03/2007 we ran a story about satellite wholesaler INFOSAT from Bangkok, Thailand, followed in the next issue by a report covering the manufacturing of dishes at INFOSAT. Now it was time to check how things have progressed in the meantime. So off we went, to Bangkok. The first surprise met our eyes even before we entered the premises: it was a huge poster on the facade of the INFOSAT office complex.

Niran Tangpiroontham is the owner and managing director of INFOSAT and he insisted on this visual presentation of his company's successes over the last twelve years. Even from far away the huge poster draws attention to the company. It shows two of the dishes that are manufactured by INFOSAT, one being black and the other one being a white model. "Did you know that our range now includes coloured dishes as well?" Niran asks and puzzles us to some extent. Coloured mesh dishes? Now that's something we haven't seen before. Here's Niran's account of what led to this decision: "One of our clients is AMATA, a company in Cambodia. Their corporate identity is based on the colour purple and that's why we started to manufacture purple dishes for this particular client." Other large customers in Thailand get their INFOSAT dishes also in red and pink. These are unusual colours that create a lot of attention. "Silver coloured dishes have been on offer for about a year, these new colours have only complemented our range for a few months," explains Niran.

When asked by us how his company has performed Niran quickly provides some impressive hard facts: the staff count was 60 last year and has meanwhile increased to 70. The annual sales volume increased from 7.5 million USD in 2006 to 9 million USD this year, and he expects another 20% rise for 2008. "While last year some 40% of sales were generated in the professional segments, mainly for cable reception, the TVRO segment has increased to 75%. This can be attributed to our focus on improving the quality of our products." The ZIMPLE Box 3 satellite receiver offered by INFOSAT which was tested by TELE-satellite only recently, was audited by the Thai Institute for Electrical Equipment and was awarded a seal of approval. "Even the production process for our dishes has been audited," says Niran and proudly shows us a sticker which can be found on the packaging of every single dish leaving the factory. "This certificate was awarded to INFOSAT by the Thai Export Department and means that INFOSAT is a state-certified company fulfilling all quality norms and export regulations." The certificate is examined on an annual basis and re-issued if all criteria are met. This way the Thai government makes sure that its quality standards are met.

Drivers on this expressway in Bangkok's north are greeted by the huge INFOSAT poster. Four blocks of this complex belong to INFOSAT and house administrative offices as well as the warehouse for small parts such as receivers, cables and LNBs.

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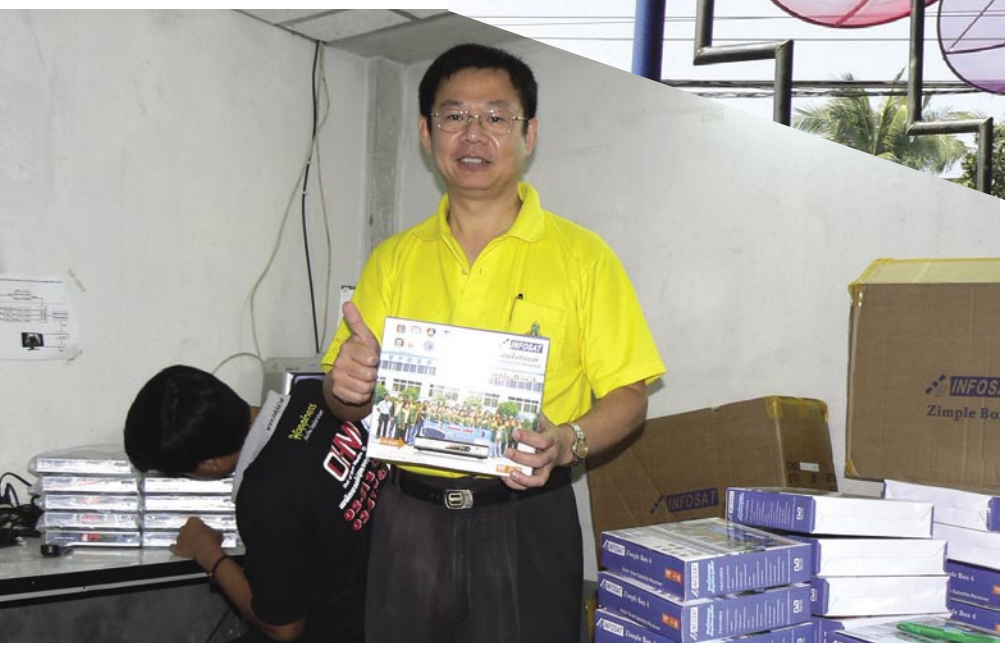
▲ Each INFOSAT package leaving the factory bears a quality seal awarded by the Thai government and being re-audited on an annual basis.

▲ Niran's latest marketing idea: mesh dishes in various colours. From left to right: silver, pink, purple, red and good old black. "Blue dishes are also in the pipeline," says Niran. And that's a bit of relief, as the current range of colours is... well... unusual, to say the least.



▲ Niran Tangpiroontham, INFOSAT owner and managing director in the Quality Control Room: it is here that the features of ZIMPLE Box 3 receivers are checked. Not a real problem, as almost 40 permanently installed dishes are installed on the roof.

Niran has also invested heavily in quality improvements for the dish manufacturing workshop. Professional machinery is now being used in the production process. According to Niran "the quality of our dishes has improved to such an extent that a 1.3 m dish we produce today has the same reception capacity as a 1.6 m dish that we used to manufacture before." Niran has put the enormous improvements to use by extending the range of products on offer. "Today we can offer dishes with diameters of 1.3, 1.5, 1.6, 1.8, 2.1 und 3.0 metres." The best selling product for the local market is the 1.3 m dish which 60% of our customers go for, followed by the 1.5 m dish requested by 20 of our customers, and the 1.6 m dish. Larger versions with 1.8 m or more are mostly exported. "Just recently we received a request for a large dish, this time for Nigeria," Niran reveals his company's order status. We're talking about a complete container filled with dishes, because everything less wouldn't justify the considerable transport costs.

◀ New at INFOSAT: this new punching machine is used in-house to punch the meshes into the aluminium sheet. This way the quality can be checked first-hand.

▲ The pressing machine visible in the background is one of the reasons for improved quality: it presses the cut and formed components into the right parabolic shape. Previously, the formed components were put on a mirror frame and clamped in. Thanks to shaping before assembly, the measuredness of the parabolic shape is now increased.

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▲ Finished dishes waiting for dispatch.

Finally, Niran draws our attention to an empty plot of land. "This is where I will build a new factory – three times the size of the current complex and ready for use by 2010." Niran is an ambitious man and apparently he has a nose for detecting new market niches. A noteworthy success story in the satellite business!

What is a plot of unused land today will house Niran's new manufacturing plant in two years' time – offering three times the space of the current factory. ▼

Sea-Tel

Alexander Wiese

Доступ к Интернету и телевещанию доступны на большинстве кораблей в наше время. Но Вы когда-нибудь задумывались, как можно подключиться к Интернету, находясь в открытом море? И как можно установить спутниковую антенну на транспортном средстве, постоянно перемещающемся в разных направлениях? Для подобных проблем существуют решения. Мы решили посетить ведущего поставщика оборудования для спутникового приема на море, американскую компанию Sea-Tel, а точнее ее европейский офис в Саусхэмптоне (Великобритания).

▲ **Прямо рядом с железнодорожной линией на Лондон, и неподалеку от Саусхэмптонского аэропорта, находится европейская штаб-квартира компании Sea-Tel. Склады расположены слева, а справа – офисное здание. Перед ним Питер Броудхерст, вице-президент Sea-Tel.**

Компания Sea-Tel была основана в 1978 году инженером Робертом Мэтьюсом. До того, как заняться предпринимательской деятельностью, он работал в компании COMSAT, где отвечал за разработку первой в мире системы для стабильного спутникового приема на море.

Технология была позаимствована у существующих военных разработок, поэтому была очень совершенной. В один прекрасный день, Роберт Мэтьюс подумал, что должен быть найден менее затратный способ решения проблемы. Он решил основать свою собственную компанию, Sea-Tel.

Он начал буквально с собственного гаража, и поскольку его дом и гараж находятся в Конкорде, примерно в 100 км к востоку от Сан-Франциско, штаб-квартира компании расположена достаточно далеко от побережья.

◀ **Стюарт Броудфилд из отдела обучения и обслуживания демонстрирует нам «внутренности» антенны берегового уровня: параболическая антенна очень глубокая, и вращается по азимуту и углу места. Поскольку антенны Sea-Tel основаны на концепции Коссегрена, конвертер расположен сзади, как видно на данной иллюстрации. Специальное поворотное устройство отвечает за перемещение конвертера, для установки необходимой позиции. «Все управляющие сигналы передаются по коаксиальному кабелю», объясняет Стюарт, «для того, чтобы уменьшить количество подключений и упростить установку в целом». Диапазон поворота антенны – 680 градусов, то есть она может описать почти два полных круга до достижения полной остановки.**

С течением времени, компания Sea-Tel меняла собственников, и в настоящее время принадлежит корпорации Cobham, обладающей рядом компаний, работающих

▲ Промежуточный диапазон «04» основан на более совершенной технологии. Он создает искусственный горизонт, постоянно удерживая подвеску антенны в горизонтальном положении. Небольшое устройство в левой части правой штанги – управляющий модуль системы. В правой части расположен GPS-приемник. В данной конфигурации, конвертер поворачивается только для точной настройки. Поворотное устройство имеет электронное соединение по ползуну, обеспечивая неограниченный угол поворота.

в военных и технических областях. Вице-президент Sea-Tel Питер Броудхерст рассказал нам, почему Мэтьюс продал свою компанию корпорации Cobham: «Ему было уже за 70, компания быстро развивалась, и такой шаг (продажа) был вполне логичен, чтобы сохранить рост компании на прежнем уровне». Сумма, заплаченная за Sea-Tel, была примерно равна годовому обороту. По словам Питера, «для Cobham инвестиция полностью себя оправдала. Наш рост продолжился на уровне 20% в год, и сейчас составляет 100 миллионов долларов США + оборот».

Весьма интересно наблюдать за тем, как меняется этот бизнес с течением времени, многократно увеличивая доходность. По словам Питера, «мы начали поставлять системы VSAT в 2003 году, а сегодня VSAT составляет 65% нашего оборота». Оставшиеся 35% приходятся на оборудование TVRO.

Поскольку корабли недолго задерживаются в пункте приписки, достаточно непросто очертить круг клиентов географически. Питер предполагает, что 45% клиентов – европейцы, 40% - американцы и 15% - азиаты.

Из данного распределения несложно понять, почему компания Sea-Tel открыла европейский офис в Саусхэмптоне. «Здесь, в Саусхемптоне, у нас 35 сотрудников», рассказывает Питер, «в центральном же офисе в США их 215. Мы производим антенны именно там».

Дополнительные офисы расположены в Норвегии, Флориде, и, быть может, скоро откроется еще один – в Сингапуре. «В настоящее время, мы готовим к открытию офис в Азии, чтобы быть ближе к нашим азиатским клиентам», сообщил нам о планах компании Питер.

Так кому же интересны автоматически настраивающиеся трехкоординатные антенны? «Большинство клиентов – представители нефтяных и газовых компаний, устанавливающие подобные системы на добывающие платформы и обслуживающие суда», сказал Питер, и, улыбнувшись, продолжил: «Норвежские власти приняли постановление, в соответствии с которым все корабли должны оснащаться системами телеприема». Еще бы ! Если бы и в других странах были приняты подобные постановления, радости Sea-Tel не было бы предела.

Еще одна важная группа клиентов (составляющая 25%) – яхты и прогулочные катера, то есть частные суда. Примерно 10% клиентов – суда, предназначенные для грузоперевозок. В этих группах отмечается рост, в то время, как бизнес на круизных судах устойчиво держится на уровне 10%, OEM-поставки – на уровне 5%. Оставшиеся 10% - рыболовецкие суда, однако, в данной группе отмечается тенденция к снижению поставок.

Для тех, кто не знаком с судостроением, Питер приоткрывает некоторые секреты. «Если Вы закажете корабль сегодня, он будет построен лишь к 2010 или 2011». Изменятся ли тогда запросы потребителей? Будут ли цены на нефть еще больше? Или наоборот? Будут ли востребованы все заказанные сегодня суда, и всем ли

▲ Управляющий модуль для 19-дюймовой стойки. На дисплее показана позиция спутника – 013 E для HOTBIRD, а также уровень порога и NID для «захвата» спутника HOTBIRD.

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Склад компании. «Вы видите перед собой оборудование стоимостью в 2 миллиона долларов США», рассказывает Питер Броудхерст. Доставка оборудования из США в Саусхемптон занимает 6 недель. По словам Питера, «наш бестселлер – 100-сантиметровая антенна для VSAT. Мы уже продали более 2000 таких комплектов». Sea-Tel предлагает три линейки продуктов: линейку Coastal, с диаметрами антенн от 30 до 80 см, линейку «04» от 80 до 150 см, и линейку «97» от 200 до 360 см, которая также подходит для приема С-диапазона. Sea-Tel работает только со специализированными распространителями. Цены начинаются от 4400 долларов США за простую систему с антенной 30 см, до 90000 долларов США за систему, включающую антенну диаметром 360 см. «Круизные лайнеры в своем большинстве используют диаметр 200 см. Как правило, устанавливаются две антенны, для обеспечения устойчивости приема», объясняет Питер.

Эми Бишоп на складе запчастей. Sea-Tel может поставлять запчасти для устройств, выпущенных десять лет назад. А поскольку все устройства выпускаются непосредственно Sea-Tel, имеется вся техническая документация, и запчасти, при необходимости, могут быть произведены на заказ. Таким образом, компания Sea-Tel может гарантировать работу своих устройств на протяжении значительных периодов времени, а также высокую надежность.

им потребуется спутниковый прием? Для Sea-Tel ответ не только в высочайших производственных стандартах, но и в прекрасном пост-продажном сервисе.

И, разумеется, нельзя забывать о новых рынках, таких, как Интернет: «В любом случае, пассажирам круизных судов в наши дни необходим Интернет», объясняет Питер – или даже больше. «Мы предлагаем даже решения, благодаря которым становится возможным использование на борту сотовых телефонов».

Еще один перспективный рынок – системы мобильного приема для поездов. «Железнодорожные компании наращивают конкуренцию с авиаперевозчиками. Не последнюю роль в этом играет выбор предлагаемых услуг на борту», объясняет Петер.

Первый клиент – Thales, планирующий обеспечить доступ к сети Интернет в своих поездах с 2008 года, через оператора 21net. Для этого планируется использовать транспондерную емкость Ku-диапазона спутника HISPASAT. Пользователям же Интернет будет раздаваться через WiFi.

Sea-Tel собирается поставлять мобильное VSAT-оборудование, специально спроектированное для этой новой сферы применения: антенны будут иметь ограниченный угол места, поскольку он известен заранее (в тех широтах, где будут курсировать поезда). Таким образом, антенна может быть достаточно компактной, чтобы

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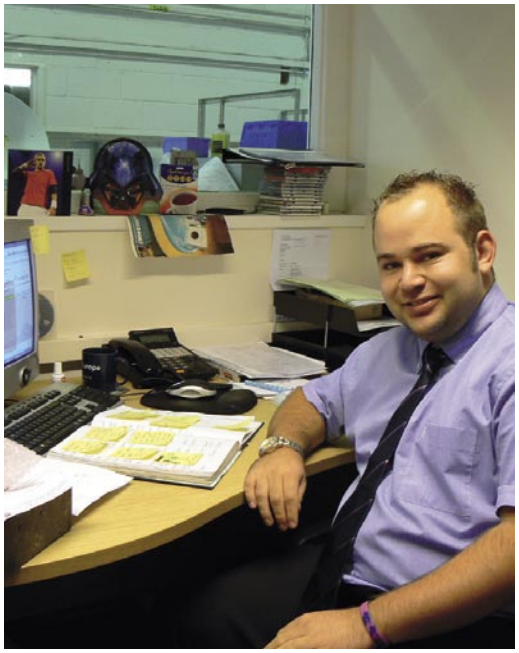
▲ **Sea-Tel уделяет особое внимание технической поддержке клиентов. Джэк Бэрроу-Саттон – один из инженеров, осуществляющих техническую поддержку.**

минимизировать ветровые нагрузки. Sea-Tel по-настоящему удалось найти свою нишу на рынке. Ниша эта продолжит расти, поскольку все в этом мире стремится к мобильности, и спутниковый прием на кораблях, поездах и самолетах, а также в легковых автомобилях стал технически досягаем. Поэтому будущее компании представляется вполне радужным.



▲ **Эрон Пич отвечает за график выпуска. Он следит за тем, чтобы все необходимые компоненты были доступны в срок, и были полностью оттестированы перед отправкой клиентам.**

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SatExpo

For many years SatExpo in Vicenza/Italy was the annual get-together of the satellite industry in southern Europe. But after pay TV provider Sky Italia had established almost a monopoly for satellite reception, FTA reception in Italy has become an ever smaller segment.

Most traditional satellite companies in Italy saw their revenue shrink and thus couldn't afford a presence at the exhibition.

Now SatExpo is back and has moved to Rome. We asked Ilaria Pivato of exhibition organiser Promospace why the event venue is now Rome.

"Well, in the past many foreign visitors and participators had no idea where Vicenza was. Some even confused Vicenza with Venice." Actually, Venice is not far away, but getting to Vicenza was a bit difficult and visitors from abroad often complained that Vicenza didn't have its own airport.

"Rome is an ideal location," explains Ilaria Pivato and continues that "the fairground of 'Roma Fair' is located close to Rome's Fiumicino international airport which all major airlines fly to."

And there's another important reason for choosing Rome for this exhibition, as Paolo Dalla Chiara, President of SatExpo explains: "Space Technology is the new topic of the exhibition, and many leading Italian companies such as ESRIN (European Space Research Institute) and ASI (Italian Space Industry Association) are headquartered in Rome. So it was a logical step to make a decision in favour of Rome."

HDTV is a dominant theme at SatExpo, but mobile TV over the S band or satellite IPTV also play important roles. EUTELSAT's new orbital position at 9° East is spearheading these new technologies with new offers that are presented at SatExpo.

Ilaria Pivato reveals some exhibitors which have already confirmed their presence when this report was filed: Telespazio, Thales Alenia, ESA, Eutelsat, Skylogic, Telemar, Viasat, Telesystem, Auriga, Unaohm, RAI, Thuraya, Inmarsat, Hellassat, Televes, HD Forum, Arianespace, EADS and many more can be found on that list.

Visiting Rome for SatExpo will certainly be time well spent.

For more information go to **www.satexpo.it**.

▲ **Paolo Dalla Chiara, President of SatExpo.**

▲ **SatExpo is held on the Fiera Roma fairground close to Rome international airport.**

▲ **One of the fair halls.**

THE QUEEN'S AWARDS FOR ENTERPRISE: INTERNATIONAL TRADE 2007

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THE HORIZON DIGITAL SATELLITE METER USB & USB PLUS

HDSM USB

- New graphics capable 128 x 64 pixel high brightness (adjustable) backlit LCD
- New Full Speed USB 2 interface with automatic driver download
- Full backwards compatibility with existing HDSM downloads
- New 3300 mAh battery pack offering in excess of 7 hours operation
- New nylon F connectors for maximum durability
- 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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  Dubai International Convention and Exhibition Centre
  www.cabsat.com

- **14 March 2008: Satellite 2.0**
  Next Generation Satellite TV
  Olympia, London, UK
  www.iptv-forum.com

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

- **27 - 29 March 2008: SATEXPO EUROPE 2008**
  Space and Advanced Telecommunications
  Fiera Roma, Rome, Italy
  www.satexpo.it

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

- **17 - 20 June 2008: CommunicAsia 2008**
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Date .....

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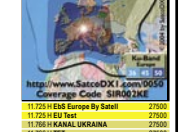
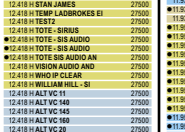
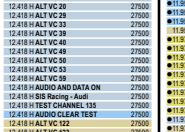
SatcoDX Global Satellite Chart

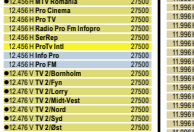
Compiled by the Worldwide SatcoDX Monitoring Stations, exclusively for TELE-satellite Magazine

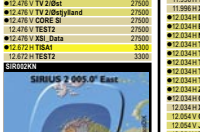
New Channels Since Last Issue of TELE-satellite Magazine are marked with a ●

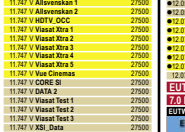


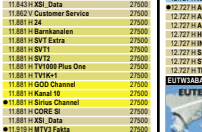


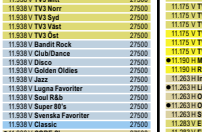


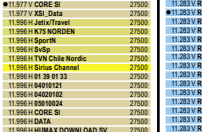


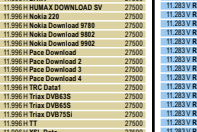












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Freq GHz	Pol	Channel Name	Symbol rate
12.558	V	QAT-DOH-008	27500
12.558	V	SIMS Signaling	27500
12.558	V	skn-92-8	27500
12.558	V	skygate24	27500
●12.558	V	skygate27	27500
12.558	V	SkyPlex CHID 4	27500
●12.558	V	Skyplex Internal	27500
12.558	V	SKYPLEX TXP92	27500
●12.558	V	TOR_VVF	27500
●12.558	V	VFSAT4	27500
●12.577	H	CONTO TV1	27500
●12.577	H	CONTO TV2	27500
12.577	H	PINK EXTRA	27500
12.577	H	pink plus	27500
12.577	H	' 'SexySat4	27500
●12.577	H	Abu Dhabi Sport	27500
12.577	H	ARM 1	27500
●12.577	H	CONTO TV	27500
●12.577	H	CONTO TV3	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	New Hope Radio	27500
●12.597	V	PRA 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	The Voice	27500
12.597	V	VTCSW1	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

HOT008KB

Freq GHz	Pol	Channel Name	Symbol rate
10.719	V	CANAL+ Sport HD	27500
10.719	V	DTV 4	27500
●10.719	V	DTV CABLE MI	27500
●10.719	V	DTV CABLE PL	27500
10.719	V	EUROSPORT 2	27500
10.719	V	INFO+/C+ Sport2	27500
10.719	V	MINIMINI	27500
●10.719	V	Movies24	27500
10.719	V	PLANETE	27500
10.719	V	TV 4	27500
10.719	V	4fun.TV	27500
10.719	V	Music Choice 4	27500
10.719	V	Music Choice Pop	27500
10.719	V	ESP	27500
10.719	V	Music Choice 3	27500
10.719	V	Music Choice Swiat	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	CANAL + FAMILY	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	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
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10.892	H	CANAL+	27500
10.892	H	CANAL+ FILM	27500
10.892	H	CANAL+ SPORT	27500
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10.892	H	DTV CABLE 2	27500
10.892	H	DTV CABLE 3	27500
●10.892	H	DTV CABLE AL	27500
●10.892	H	DTV CABLE JE	27500
●10.892	H	DTV CABLE KU	27500
●10.892	H	DTV CABLE ZI	27500
10.892	H	H test 1	27500
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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	Eurosport	27500
10.911	V	Histoire	27500
10.911	V	LCI	27500
10.911	V	M6	27500
10.911	V	Odyssée	27500
●10.911	V	Planète Thalassa	27500
10.911	V	Privatespice	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
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●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

Freq GHz	Pol	Channel Name	Symbol rate
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
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11.727	V	BBC Ukrainian	27500
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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
11.746	H	ME SHOP	27500
11.746	H	PMC	27500
11.746	H	Sama Dubai	27500
●11.746	H	SAMACOM FEED	27500
●11.746	H	SamaCom Feed	27500
11.746	H	SHARQIYA	27500
11.746	H	EDTV Radio 1	27500
11.746	H	EDTV Radio 2	27500
●11.766	V	Rai Test 3	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	Senato	27500
11.766	V	FD leggera	27500
11.766	V	Notturno italiano	27500
11.766	V	download	27500
●11.785	H	Al Anwar TV	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	Didar Global TV	27500
11.785	H	ERO LIVE 1	27500
11.785	H	ERO PULSE	27500
●11.785	H	Galaxy Nepal	27500
●11.785	H	GAY.TV	27500
11.785	H	IGHRA	27500
●11.785	H	Kicc TV	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	ALPHA TV	27500
11.823	H	ALTER	27500
11.823	H	ANT-1	27500
11.823	H	FILMNET1	27500
11.823	H	JETIX	27500
11.823	H	MEGA	27500
11.823	H	R1	27500
11.823	H	R11	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	STAR	27500
11.823	H	SuperSport1	27500
11.823	H	DS Test	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
11.823	H	SSExtra 1	27500
11.823	H	SuperSport1	27500
11.823	H	Test2	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	Yacht & Sail	27500
11.843	V	SKY Inside	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	Canale 5	27500
11.919	V	Test	27500
●11.919	V	Italia 1	27500
11.919	V	Mediashopping	27500
●11.919	V	Retequattro	27500
11.919	V	Radio Mater	27500
11.938	H	Chasse & Peche	27500
11.938	H	E! Entertainment	27500

Freq GHz	Pol	Channel Name	Symbol rate
11.938	H	FILMNET3	27500
11.938	H	FILMNET3 Cy	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
●11.977	H	SKY PASS	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 PRIME SPORT -	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	LBC EUROPE - ARAB	27500
12.015	H	NILE DRAMA - ARAB	27500
12.015	H	FUTURE TV - ARABE	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
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 Padania IP	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 6	27500
●12.149	V	Radio Azzurra	27500
●12.149	V	Radio Spazio Aperto	27500
12.149	V	ReteSport	27500
●12.149	V	Test	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

Freq GHz	Pol	Channel Name	Symbol rate
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	Rang-A-Rang 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
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	EUROPE 2 TV	27500
12.245	H	FILLES TV	27500
12.245	H	Gulli	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	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	Radio Polonia	27500
12.285	H	RMF FM	27500
12.285	H	Test Radio 2	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	Radiostacja	27500
12.285	H	RMF Classic	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	SAMSUNG370	27500
12.285	H	SCM Download	27500
12.285	H	Techniczny	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	CRO MUSIC CHANNEL	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	MTV BASE	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	OLDIES RADIO	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 Detskii Mir -	27500
●12.322	H	RTVi Europe	27500
●12.322	H	RTVi ME	27500
●12.322	H	RTVi Music	27500
●12.322	H	RTVi Nashe Kino	27500
●12.322	H	SCI FI	27500
12.322	H	TRACE TV	27500
●12.322	H	UNIVERSAL	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	World Fashion	27500
12.322	H	DOINA - KISS RADI	27500
12.322	H	GRAND	27500
●12.322	H	Khrlo e Romengo	27500
12.322	H	KISS Radio	27500
12.322	H	KISS ROM	27500
12.322	H	Lijepa nasa (LINA)	27500
●12.322	H	MB MITIC BILJANA	27500
12.322	H	MegaRadio	27500
12.322	H	PEIRAIKI EKKLISIA	27500
12.322	H	Radio Azadegan	27500
12.322	H	Radio Dijla	27500

Freq GHz	Pol	Channel Name	Symbol rate
12.322	H	RADIO FLES	27500
●12.322	H	RADIO IZVOR	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	Srce Lijepe Nase	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 HQ	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 HQ	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	.AAA Sex Channel	27500
12.360	H	EROS TV	27500
12.360	H	HOUSE CHANNEL	27500
●12.360	H	SEX VIEW 264	27500
12.360	H	SEX VIEW XXX	27500
●12.360	H	Sex View XXX HQ1	27500
12.360	H	SEXY ITALY TV	27500
●12.360	H	SEXYSAT2	27500
●12.360	H	SEXYSAT3	27500
●12.360	H	SEXYSAT4	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 MARIA	27500
12.380	V	Radio Montenegro	27500
12.380	V	RADIO SAN	27500
12.380	V	RDS	27500
●12.380	V	RFI Francais	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	HD suisse	27500
12.399	H	SF 1	27500
12.399	H	SF info	27500
12.399	H	SF zwei	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 4 News	27500
●12.399	H	SRG-DRS Musikwelle	27500
12.399	H	SRG-DRS Virus	27500
12.399	H	SRG-Rumantsch	27500
●12.399	H	SRG-Swiss Classic	27500
●12.399	H	SRG-Swiss Jazz	27500
●12.399	H	SRG-Swiss Pop	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
12.418	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	IRIB QURAN	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	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 IRAN	27500
12.437	H	RADIO QURAN	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	iadv Video	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	Vh1	27500
12.460	V	SKY Test	27500
●12.460	V	i-Spot Nokia Nseries	27500
●12.460	V	i-Spot Puntoshop	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	ALMAHABA	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	MOVIEPEAK	27500
●12.476	H	MOVIEPEAK OTA	27500
12.476	H	Opentech	27500
12.476	H	StrongDigitalTV	27500
12.616	H	FX	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	AL Aoula	27500
12.673	V	arriadia 2	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	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

Freq GHz	Pol	Channel Name	Symbol rate
12.692	H	AB3	27500
12.692	H	AB4	27500
●12.692	H	CINE FIRST	27500
12.692	H	CINE FX	27500
12.692	H	CINE POLAR	27500
●12.692	H	CINE POP	27500
12.692	H	DORCEL-TV	27500
12.692	H	France 2	27500
●12.692	H	France 3	27500
●12.692	H	France 4	27500
●12.692	H	ORANGE SPORT TV	27500
12.692	H	TMC	27500
12.692	H	VIDEOCLICK	27500
12.692	H	Beur TV	27500
●12.692	H	BIS TV PROMO	27500
12.692	H	DAN CEYLON TV	27500
12.692	H	LUXE TV	27500
12.692	H	PASSIONS	27500
●12.692	H	TESTR	27500
●12.713	V	Amici int.	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 CBeebies Polan	27500
●11.116	V	BBC Entertainment Po	27500
●11.116	V	BBC Knowledge Poland	27500
●11.116	V	BBC Lifestyle Poland	27500
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	Prophetic TV	27500
11.116	V	Salaam TV	27500
●11.116	V	BBC WS Persian Rad	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	KP	27500
●11.240	V	M	27500
11.240	V	Canal+ Cinema	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	S	27500
11.240	V	Canal+	27500
11.240	V	Canal+ Decale	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
●11.240	V	SSU	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	H1	27500
●11.258	H	H2	27500
●11.258	H	H3	27500
11.258	H	Jetix	27500
11.258	H	Jetix Play	27500
11.258	H	KidsCo	27500
11.258	H	MTV2	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 Sport	27500
●11.258	H	ITVN EU	27500
●11.258	H	R1	27500
●11.258	H	R2	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	AB Channel	27500
11.296	H	ALL TV	27500
11.296	H	Challenger Tv	27500
11.296	H	Denaro Tv	27500
●11.296	H	Gold shop	27500
11.296	H	IMC	27500
11.296	H	julie	27500
●11.296	H	Laurenti Ch	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	ONE	27500
●11.296	H	Poker Tv	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	S.Neu Jerusalem	27500
11.296	H	S24	27500
11.296	H	Ulisse	27500
11.320	V	TV 5 Europe	
11.334	H	Boing	27500
11.334	H	Premium 1	27500
11.334	H	Premium 2	27500
11.334	H	Premium Attivazione	27500
●11.334	H	Servizio 13	27500
11.334	H	BBC World	27500
11.334	H	Class News	27500
11.334	H	Coming Soon	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	Servizio 12	27500
●11.334	H	HUMAX DOWNLOAD SV	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

Freq GHz	Pol	Channel Name	Symbol rate
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	FILMBOX	27500
●11.393	V	NONSTOP KINO	27500
11.393	V	TVN 24	27500
11.393	V	TVN CNBC Biznes	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
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	RTA	27500
11.411	H	RTC Calabria	27500
●11.411	H	Sexxx	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	Iris	27500
●11.432	V	Servizio 26	27500
●11.432	V	Servizio 29(C5&Class	27500
●11.432	V	Servizio 30(Iris-S	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	NK HD	27500
11.449	H	nSport	27500
●11.449	H	nTalk	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	27500
11.470	V	BET NAHRAIN	27500
11.470	V	Channel 6	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	Mktv Sat	27500
●11.470	V	MOHABAT TV	27500
11.470	V	OMID E IRAN	27500
11.470	V	OU	27500
●11.470	V	PEN TV	27500
●11.470	V	PROPHETIC	27500
11.470	V	RIKSAT	27500
●11.470	V	SALAAM TV	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
●11.470	V	Radio Mojdeh	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
●11.526	H	SSR-WRS	27500
11.541	V	ESP2 Hungary	22000
11.541	V	ESP2 Romania	22000
●11.541	V	HBO COMEDY	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	Global-Mir	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 KOLBE	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

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Freq GHz	Pol	Channel Name	Symbol rate
●11.200	V	.Lolita	27500
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	Hot Point	27500
●11.200	V	Hot Week	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	MTI	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	STARSAT	27500

Freq GHz	Pol	Channel Name	Symbol rate
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.Di per Di	27500
11.200	V	R.ONDA D'URTO	27500
11.200	V	Radio Billa	27500
●11.200	V	Radio Expert	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 7800	27500
●12.265	V	Polsat Sport HD test	27500
12.265	V	GM	27500
●12.265	V	HBO	27500
●12.265	V	HBO 2	27500
●12.265	V	HBO Comedy	27500
12.265	V	SmartCast Test 1	27500
●12.265	V	Echostar-717	27500
●12.265	V	EDCPS	27500
●12.265	V	SAMSUNG370	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	TV1000	27500
10.972	V	Viasat History	27500
10.972	V	X-Dream TV	27500
10.972	V	Total TV Info	27500
10.972	V	Viasat Explorer	27500
10.972	V	SW Download	27500
11.010	V	AXN	27500
11.010	V	Cinemax	27500
11.010	V	Diema	27500
●11.010	V	Diema Family	27500
●11.010	V	Diema2	27500
11.010	V	Discovery	27500
11.010	V	Eurosport	27500
11.010	V	Hallmark	27500
11.010	V	HBO	27500
11.010	V	HustlerTV	27500
11.010	V	N.Geographic	27500
11.010	V	TV7	27500
11.010	V	Bulgaria TV	27500
●11.010	V	TV2	27500
●11.010	V	BNR Horizont	27500
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
●11.055	V	Bang Bang	27900
●11.055	V	Cufo Tv	27900
●11.055	V	Digi+	27900
●11.055	V	Digifilm 5	27900
●11.055	V	Digifilm Autor	27900
●11.055	V	Digifilm Premiere	27900
●11.055	V	Explorer 1	27900
●11.055	V	Explorer 2	27900
●11.055	V	Explorer 3	27900
●11.055	V	Junior Tv	27900
●11.055	V	My Music	27900
●11.055	V	Top Channel	27900
●11.055	V	Top News	27900
●11.055	V	Globalteq	27900
●11.055	V	Opentech	27900
11.062	H	Nat Geo Ger	5722
11.062	H	Nat Geo Turk	5722
●11.078	H	Elpitel MCR	5208
●11.078	H	Nat Geo Music	5208
●11.078	H	Test Voxson	5208
●11.078	H	Ecoradio	5208
●11.078	H	Radio 6	5208
●11.078	H	Radio Citta Futura	5208
●11.078	H	Rete Sport	5208
●11.078	H	TMF Radio MCPC	5208
●11.092	V	D.Alb HD-1	27900
●11.092	V	D.Alb HD-2	27900
●11.092	V	4-X	27900
●11.092	V	Channel X	27900
●11.092	V	Digifilm 6	27900
●11.092	V	Digifilm 7	27900
●11.092	V	Digifilm 8	27900
●11.092	V	XX	27900
●11.092	V	XXX	27900
●11.092	V	Coship	27900
●11.132	V	Antena 1	14815
●11.132	V	Antena 2	14815
●11.132	V	Antena 3	14815
●11.132	V	Antena International	14815
●11.132	V	Euforia Lifestyle	14815
●11.132	V	Radio Metropol	14815
●11.132	V	Romantic Radio	14815
●11.140	H	BBT	27700
●11.140	H	bTV	27700
●11.140	H	EK Bulgaria	27700
●11.140	H	Evrokom NCTV	27700
●11.140	H	Fox Life	27700
●11.140	H	FOX Life Regional	27700
●11.140	H	Kanal 1	27700
●11.140	H	Kanal 1- PP	27700
●11.140	H	NTV	27700
●11.140	H	Ring TV	27700
●11.140	H	Balkanika	27700
●11.140	H	EvropaTV	27700
●11.140	H	FANTV	27700
●11.140	H	FOX Crime	27700
●11.140	H	Fox Crime BG	27700
●11.140	H	IkonomikaTV - EBF	27700
●11.140	H	AUREA Radio	27700
●11.140	H	Darik Radio	27700
●11.140	H	ESP BG	27700
●11.140	H	EX-YUGO SONET Rad	27700
●11.140	H	JAZZ FM	27700
●11.140	H	OK RADIO BELGRADE	27700
●11.140	H	Radio City	27700
●11.140	H	Radio SRBIJA	27700
●11.140	H	Radio Veronika	27700
●11.140	H	Retro Radio	27700
●11.140	H	Z- ROCK	27700
●11.140	H	Interactive	27700
●11.140	H	IT-Test	27700
●11.140	H	Opentech	27700
●11.140	H	PHILIPS DOWNLOAD	27700
●11.140	H	Service	27700
●11.140	H	Strong	27700
●11.140	H	Subtitles	27700
●11.140	H	Technisat	27700
●11.140	H	TV Programs	27700
●11.148	V	7dni	8900
●11.148	V	eTV	8900
●11.148	V	VIARA	8900
●11.148	V	OK Radio Belgrade	8900
●11.164	H	GOD Europe	11850
●11.164	H	Karaoke Channel	11850
●11.164	H	FootSchool	11850
●11.164	H	GOD Channel	11850
●11.164	H	GOD Europe	11850
●11.164	H	God's Learning	11850
●11.164	H	LIFE TV Estonia	11850
●11.164	H	TBN RUSSIA	11850
●11.164	H	Amistad Radio	11850
●11.164	H	pinki Radio	11850
●11.164	H	RADIO HAY	11850
●11.178	V	Pink	27500
11.178	V	Pink BH	27500
11.178	V	Pink Extra	27500
11.178	V	Pink Film	27500
11.178	V	Pink Kids	27500
11.178	V	Pink M	27500
●11.178	V	Pink Movies	27500
11.178	V	Pink Music	27500
11.178	V	Pink Plus	27500
●11.178	V	Total Pink	27500
●11.178	V	U2 TV	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
●11.192	H	T0028-C008/	2667
●11.276	H	Free-X TV	11100
●11.276	H	CALABRIA	11100
●11.276	H	Channel I	11100
11.276	H	Channel One	11100
●11.276	H	DIDAR GLOBAL TV	11100
●11.276	H	Galaxy Nepal	11100
●11.276	H	RTA	11100
●11.276	H	TELEMEDIA 11	11100
11.276	H	VIKOM RTV	11100
●11.276	H	MB MITIC BILJANA	11100
●11.294	H	GOD Europe	13333
11.294	H	Karaoke Channel	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	LIFE TV Estonia	13333
11.294	H	TBN RUSSIA	13333
11.294	H	Amistad 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 5 (RBS)	30000
11.303	V	GTV	30000
11.303	V	Planeta	30000
11.303	V	Premium Digital	30000
11.303	V	TSP Service 311	30000
11.303	V	FolklorTV	30000

Freq GHz	Pol	Channel Name	Symbol rate
●11.303	V	Jetix / Art	30000
11.303	V	Kanal 3	30000
11.303	V	SC Folk	30000
11.303	V	Zdrave	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-cze	27500
11.325	H	AXN-Crime-hun	27500
11.325	H	AXN-Crime-pol	27500
11.325	H	AXN-Crime-rum	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-cze	27500
11.325	H	AXN-SciFi-hun	27500
11.325	H	AXN-SciFi-pol	27500
11.325	H	AXN-SciFi-rum	27500
●11.325	H	SET AFRICA	27500
●11.427	V	ATV	30000
●11.427	V	Avala	30000
●11.427	V	FOX	30000
●11.427	V	FTV	30000
●11.427	V	HBO Comedy	30000
●11.427	V	Metropolis	30000
●11.427	V	MTS	30000
●11.427	V	OBN	30000
●11.427	V	Palma Plus	30000
11.427	V	Panonija	30000
●11.427	V	RTRS	30000
●11.427	V	Spectrum	30000
●11.427	V	Sport Klub+	30000
●11.427	V	Travel	30000
11.449	H	BBF	27500
●11.449	H	Folk Tv	27500
●11.449	H	Klan Tv	27500
●11.449	H	Koha Tv	27500
11.449	H	KTV	27500
11.449	H	News 24	27500
11.449	H	Premium 1	27500
11.449	H	Premium 2	27500
11.449	H	Premium 3	27500
11.449	H	Premium 4	27500
11.449	H	Premium 5	27500
11.449	H	RTV 21	27500
●11.449	H	TVSH Tokesor	27500
11.449	H	Vizion+	27500
●11.449	H	Big Brother	27500
●11.449	H	Coship STB	27500
●11.449	H	Opentech STB	27500
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	TVRi	29950
11.471	V	Romania in Direct	29950
11.471	V	Romania Internationa	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	B92	30000
11.552	V	Cinemania	30000
●11.552	V	DoQ	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
11.682	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
●12.513	V	MELOS TV	2156
●12.520	V	Top Music	2156
●12.538	V	BN R.Srpska	4340
●12.560	V	test	2156
12.568	H	SIC INTERNACIONAL	3702
●12.600	V	test	6771
12.633	V	RTK-SAT	4881
12.642	V	Armenia Region	3418
12.642	V	Armenia TV	3418
●12.648	V	BHT 1	5200
●12.648	V	BH Radio 1	5200
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	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
●12.682	H	TV7	2892
12.682	H	R Tunisie Culture	2892
12.682	H	R Tunisie Internatio	2892
12.682	H	R Tunisie Nationale	2892
12.703	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
●12.727	H	PROVSE.NET.UA	3333
●12.727	H	MELODIYA.UA	3333
●12.727	H	MFM.UA	3333
●12.727	H	STILNOE.FM	3333
●12.733	V	Kanal A	26050
●12.733	V	POP TV	26050
●12.733	V	SportKlub Slovenija	26050
●12.733	V	TV3 Slovenia	26050
●12.733	V	Duga TV	26050
●12.733	V	Estate	26050
●12.733	V	MMTV	26050
●12.733	V	RRokum TV	26050
12.733	V	Svet Plus	26050
12.733	V	TV Pika	26050
12.733	V	ALFA RADIO SARAJE	26050
●12.733	V	DZUMBUS RADIO	26050
12.733	V	GRAND	26050
●12.733	V	ISTOCNO Sarajevo	26050
12.733	V	KISS DOINA VLASKI	26050
12.733	V	KISS RADIO	26050
12.733	V	KISS ROM RADIO	26050
●12.733	V	KITT Radio	26050
●12.733	V	LIJEPA NASA	26050
●12.733	V	MIKS RADIO	26050
12.733	V	ORV Valentino BH	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 DUKAT	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 PIRAMIDA	26050
●12.733	V	RADIO POSAVINA	26050
12.733	V	Radio SvetPLUS	26050
●12.733	V	Radio Zurka Wien	26050
●12.733	V	SHOWYU Radio	26050
●12.733	V	Top 3 radio	26050
●12.733	V	Vikom RTV	26050
●12.733	V	VIP Radio	26050
12.733	V	YU PLANET BEC	26050

EUT0W2RE

Freq GHz	Pol	Channel Name	Symbol rate
11.486	H	Antenne Reunion	29950
●11.486	H	BFM TV	29950
11.486	H	CC Classic	29950
11.486	H	CC Culte	29950
●11.486	H	CC Emotions	29950
11.486	H	CC Famiz	29950
●11.486	H	CC Frissons	29950
11.486	H	CC Premier	29950
11.486	H	CC Star	29950
11.486	H	Discovery	29950
11.486	H	M6	29950
●11.486	H	MANGAS	29950
●11.486	H	Planete Juniors	29950
●11.486	H	REAL TIME	29950

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

Freq GHz	Pol	Channel Name	Symbol rate
11.486	H	RTL9	29950
11.486	H	Serie Club	29950
11.486	H	Supersport 3	29950
11.486	H	TeleReunion	29950
11.486	H	Tempo	29950
11.486	H	Teva	29950
11.486	H	TF6	29950
11.486	H	Cherie FM	29950
11.486	H	EXO FM	29950
11.486	H	Festival	29950
11.486	H	KOI	29950
11.486	H	Kreol FM	29950
11.486	H	NRJ Reunion	29950
11.486	H	Radio One	29950
11.486	H	Chasse et Peche	29950
11.486	H	Horoscope	29950
● 11.486	H	la Boutik	29950
11.486	H	Piwi	29950
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	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	GAME ONE	30000
11.575	H	LCP	30000
11.575	H	MCM POP	30000
11.575	H	MOTORS TV	30000
● 11.575	H	MTV	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	TEVA	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	DORCEL TV	29950
11.618	H	Equidia	29950
● 11.618	H	Eurosport	29950
11.618	H	Eurosport 2	29950
11.618	H	Fun TV	29950
● 11.618	H	G SPORT 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	29950
11.618	H	TV Breizh	29950
11.618	H	W9	29950
11.618	H	Europe 1	29950
11.618	H	Free DOM	29950
11.618	H	Nostalgie	29950
11.618	H	Radio Plus	29950
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	Radio Classique	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	CS 100	29950
11.618	H	CS 101	29950
11.618	H	Escales	29950
11.618	H	Jetix	29950
11.618	H	Jeu Bleex	29950
11.618	H	Kanal Austral	29950
● 11.618	H	LA BOUTIK	29950
11.618	H	Logo Ring Tone	29950
11.618	H	SUDOKU	29950
11.618	H	Teletoon	29950
11.658	H	CANAL+	30000
11.658	H	CANAL+ CINEMA	30000
11.658	H	CANAL+ SPORT	30000
● 11.658	H	CHEZ VOUS TV	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	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

ASTRA 1F,1G,1H,1KR,1L
19.2 East

AST01EH1

Freq GHz	Pol	Channel Name	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	
11.053	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 GHz	Pol	Channel Name	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	
11.523	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 GHz	Pol	Channel Name	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 GHz	Pol	Channel Name	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	TEST DE AD	22000
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	Heiße Nummer	22000
11.436	V	jeden Tag X	22000
11.436	V	Kurven-Reich	22000
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	BIG BROTHER	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 GHz	Pol	Channel Name	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	CLASSICA	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 GHz	Pol	Channel Name	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	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	tirol 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 GHz	Pol	Channel Name	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	ANIMAX (a/P)	27500
12.441	V	AXN	27500
● 12.441	V	Biography Channel	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	Cartoon Network (a/P	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 GHz	Pol	Channel Name	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
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	VH1 Classic.	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	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	01 04 01 47	27500
11.856	V	CDSA	27500
11.856	V	DATA SYSTEM[72]	27500
● 11.856	V	DOWNLOAD TNTSAT S	27500
11.875	H	ANIMAX (P)	27500
● 11.875	H	AXN (a/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	lettra (a/P)	27500
11.875	H	sportdigital.tv	27500
11.875	H	TCM (a/P)	27500
● 11.875	H	STAR XL LIVE	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	FOXLIFE	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	VIRGIN 17	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	VOYAGE	27500
11.934	V	{Empty}	27500
11.934	V	DATA SYSTEM76	27500
● 11.973	V	MTV Base France	27500
● 11.973	V	MTV ENTERTAINMENT	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	NICK PREMIUM (P)	27500
11.973	V	COMEDY CENTRAL Ge	27500
11.973	V	MTV Germany	27500
11.973	V	NICK Germany	27500
● 11.973	V	Service 8	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	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 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	A LA CARTE	27500
12.012	V	DATA SYSTEM80	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	JimJam_TEST	27500
12.383	H	Music Box	27500
● 12.383	H	NOVA Cinema	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

NEXT GENERATION SATELLITE TV

satellite 2.0

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key speakers include

Tyler Slocum Director, Advanced Services, DIRECTV

Richard Fyffe General Manager, iTV, Multichoice

Itzhak Elyakim VP Engineering & CTO, YES

Torkel Thoresen Chief Technologist, Broadcast Systems, Telenor

Tullio Camiglieri Communication & External Relations, Director, Sky Italia

DAY 1 14 March 2008
WHAT NEXT FOR SATELLITE?
Satellite was the television success story of the 1990s and remains a powerful force in Pay TV, with high PVR penetration and the arrival of multi-channel HDTV helping to maintain momentum. But the growing importance of on-demand services, the trend towards triple-play and quad-play bundles, the potential for true telephony/television convergence around IP plus seamless service mobility across IP-centric networks, leaves satellite looking technologically disadvantaged for the first time since its launch. How will DTH satellite platform operators respond to the challenge? Are they in need of evolution or revolution? Telcos have had to undergo a great transformation. Is it now the turn of satellite?

0800 Registration & Networking

0900 Chairman's Introduction

0910 Opening Keynote: See, Speak, Surf: satellite transformation in the UK

SESSION 01
PRAGMATIC AND PREPARED
Many of the world's major satellite operators are content owners with existing multi-platform distribution policies. In this session we aim to discover their views on the relative merits of satellite as part of a diverse go-to-market strategy, including whether they believe the growth of IPTV is primarily an opportunity or a threat. Session One also addresses the opportunities presented by mobile/portable TV and the Internet and how satellite platforms intend to pursue them.

0940 The value of content and how best to exploit it

1000 Surviving and thriving in the French media/comms revolution

1030 Testing the water for multi-platform DStv
Richard Fyffe, General Manager, iTV, Multichoice

1100 Morning Break & Exhibition

SESSION 02
SATELLITE DIFFERENTIATION
Satellite is used to being different: first-to-market with digital and often first with PVR, interactive TV and HDTV. Session Two focuses on satellite's Unique Selling Points and asks whether the innovations that brought such success are enough to drive continued subscriber and profit growth. How can satellite differentiate itself as a platform from IPTV and cable?

1150 Competing on value: can other platforms really compare?

1210 Playing to satellite's strengths in the US
Tyler Slocum, Director, Advanced Services, DIRECTV Entertainment

1230 PANEL: What are the differentiators and new market opportunities for satellite?

1300 Lunch, Networking & Exhibition

SESSION 03
SATELLITE IS EVOLVING
Satellite platform operators are aware of the threat from cable and IPTV in regard to VOD and long-tail content-on-demand. Sometimes the answer is to harness the power of new two-way networks via acquisition or cooperation; sometimes the most immediate and productive solution for on-demand is via the public Internet. Session Three looks at how two satellite-focused operators are tackling the issue, finds out why satellite is still a viable stand-alone platform, and looks at one of satellite's most important weapons: push-VOD.

1430 Content and cooperation in Italy
Tullio Camiglieri, Communication & External Relations, Director, Sky Italia

1450 Using the Internet as a complement to satellite
Itzhak Elyakim, VP Engineering & CTO, YES

1510 Enabling Satellite Video on Demand

1530 PANEL: How does satellite get into the on-demand business?

1600 Afternoon Break & Exhibition

SESSION 04
THE FUTURE OF SATELLITE
The media/communications market is undergoing unprecedented disruption and content owners and aggregators have a growing choice of distribution technologies for direct-to-consumer services. Will satellite become a specialised delivery platform for mass-broadcast services as part of multi-platform solutions? Can satellite be first among equals, or in some markets, continue to rule supreme? Is satellite still the future, or old technology?

1630 Satellite's role in the quad-play bundle

1645 HDTV as a service differentiator

1700 Building a cost-effective, unified headend and backoffice for multi-platform networks
Torkel Thoresen, Chief Technologist, Broadcast Systems, Telenor Satellite Broadcaster

1715 Is satellite still the technology of the future for Premiere?

1730 PANEL: Is satellite yesterday's technology?

1800 Summary & Close

ONWARDS Networking Party

Junction
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SatcoDX Global Satellite Chart 02/2008

Freq Pol GHz	Channel Name	Symbol rate
12.574 H	Sky Radio	22000
12.574 H	Downl	22000
●12.581 V	13EME RUE HD	22000
12.581 V	M6 HD	22000
12.581 V	CINE PREMIER HD	22000
12.581 V	DATASYSTEM 110	22000
●12.581 V	DISNEY MAGIC HD	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
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	STB2 Globalteq	22000
12.604 H	Topfield	22000
12.604 H	tvtv Digital	22000
12.604 H	tvtv DIGITAL	22000
12.604 H	tvtv Digital	22000
12.604 H	tvtv DIGITAL	22000
12.604 H	tvtv Digital 2	22000
●12.604 H	tvtv premium	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	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 GHz	Channel Name	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	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	PASSION	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	P-X-MAS SPECIAL	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	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

Freq Pol GHz	Channel Name	Symbol rate
12.109 H	WDR 5	27500
12.109 H	ARD-MHP-Data	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
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 Living	27500
12.188 H	n-tv	27500
12.188 H	RTL Crime	27500
●12.188 H	RTL SHOP	27500
12.188 H	RTL Shop	27500
●12.188 H	RTL SHOP	27500
12.188 H	RTL Television	27500
12.188 H	RTL2	27500
●12.188 H	Service1	27500
●12.188 H	Service2	27500
12.188 H	Super RTL	27500
●12.188 H	Super RTL CH	27500
12.188 H	VOX	27500
●12.188 H	VOX CH	27500
12.207 V	A LA CARTE 12	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	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 MULTILINGUE	27500
12.207 V	RFI Multilingues	27500
12.207 V	RFM	27500
●12.207 V	RIRE & CHANSONS	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	CANALSAT RADIOS	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 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	BIS TV / XXL	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	LCP	27500
12.285 V	NT1	27500
12.285 V	ZIK/XXL	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 3	27500
12.324 V	MOSA 4	27500
●12.324 V	MOSA 5	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
12.344 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
12.344 H	RTL8	27500
12.344 H	TV Oranje	27500

Freq Pol GHz	Channel Name	Symbol rate
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	CE SOIR	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	{Empty}	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	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
12.402 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	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	ANIXE SD	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	DAF/OUTPRO	27500
12.480 V	DSF	27500
12.480 V	glück TV	27500
12.480 V	HSE24	27500
●12.480 V	meinTVshop	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	123Damenwahl	22000
●12.633 H	1A Volksmusik.tv	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	Dreamgirls.TV	22000
12.633 H	Erotik 24	22000
12.633 H	Erotik Sat	22000
12.633 H	Erotikpalast.TV	22000
●12.633 H	Fotohandy	22000
12.633 H	Gems TV	22000
12.633 H	jeden Tag x	22000
12.633 H	K-TV	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	Peep TV	22000
●12.633 H	phab 16	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	PEPPERMINT fm	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	AUSTRIA 9 TV	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	Kuren und Wellness	22000
12.663 H	Kurven-Reich	22000
12.663 H	Liebeskanal	22000
●12.663 H	Liebesrundfunk	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	Visit-X.TV	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
●12.663 H	O u L OTA	22000
●12.663 H	OnL OTA	22000
12.692 H	ORF2	22000
12.692 H	ORF2 B	22000
12.692 H	ORF2 K	22000
12.692 H	ORF2 N	22000
12.692 H	ORF2 O	22000
12.692 H	ORF2 S	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	22000
12.692 H	ORF2 B	22000
12.692 H	ORF2 K	22000
12.692 H	ORF2 N	22000
12.692 H	ORF2 S	22000
12.692 H	ORF2 St	22000
12.692 H	ORF2 T	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 GHz	Channel Name	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	

Freq Pol GHz	Channel Name	Symbol rate
10.906 V	Home Shopping Europe	
10.906 V	ERF	
10.964 H	ZDF	
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 Plus	
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	CANAL HD	27500
●12.168 V	ENCYCLOPEDIA	27500
12.168 V	EUROSPORT 2	27500
12.168 V	EXTREME SPORTS	27500
12.168 V	FRANCE 4	27500
●12.168 V	ITELE	27500
12.168 V	PIWI	27500
12.168 V	TF6	27500
12.168 V	TPS FOOT	27500
12.168 V	USHUAIA TV	27500
●12.168 V	C CINEMA 16/9	27500
12.168 V	{Empty}	27500
12.168 V	DATASYSTEM 88	27500

AST1KRKU

Freq Pol GHz	Channel Name	Symbol rate
●10.772 H	BELSAT TV	22000
●10.772 H	ENCODER 2	22000
●10.772 H	STACJA 1	22000
●10.772 H	STACJA 2	22000
●10.772 H	STACJA 3	22000
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 XY	22000
10.788 V	TAQUILLA 10	22000
10.788 V	TAQUILLA 4	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	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	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
10.862 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	C+ DEPORTES	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	bebe tv	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	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	CLAN TVE	22000
10.979 V	CLÁSICO	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	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	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 X	22000
11.097 V	TAQUILLA XX	22000
11.097 V	TAQUILLA 9	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	PAR. COMEDY	22000
11.156 V	PEOPLE+ARTS	22000
11.156 V	R. MADRID TV	22000
11.156 V	VIAJAR	22000
11.156 V	FERIA PILAR	22000
11.318 V	C+ ACCIÓN	22000
11.318 V	C+ COMEDIA	22000
11.318 V	C+ DCINE	22000
11.318 V	CANAL ODISEA	22000
11.318 V	DISNEY CH. +1	22000
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	VIVOLTA	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	PLAYIN'TV	22000
●11.479 V	TELEREALITE	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	PLAYIN'Tvi	22000

Freq Pol GHz	Channel Name	Symbol rate
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	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	Extremadura Radio	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	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	TELESUR	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	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	TV2	22000
●11.670 H	Viva Hungary	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	FAMA 24H	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

Freq Pol GHz	Channel Name	Symbol rate
●11.954 H	ANIXE HD	27500
●11.954 H	ASTRA HD	27500
●11.954 H	ProSieben HD	27500
●11.954 H	Sat.1 HD	27500
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
●11.954 H	Radio 1	27500
●12.610 V	AB MOTEURS	22000
●12.610 V	AB1	22000
●12.610 V	ACTION	22000
●12.610 V	ANIMAUX	22000
●12.610 V	CINE FX	22000
●12.610 V	ESCALES	22000
●12.610 V	FRANCE 4	22000
●12.610 V	ITELE	22000
●12.610 V	MANGAS	22000
●12.610 V	RTL 9	22000
●12.610 V	RTL9	22000
●12.610 V	TOUTE L'HISTOIRE	22000
●12.610 V	XXL	22000
●12.610 V	ZIK/XXL	22000
●12.610 V	DATA SYSTEM 112	22000
●12.610 V	ENCYCLOPEDIA	22000

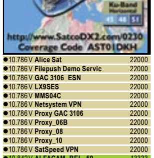
EUTELSAT W6
21.5 East

EUT0W6WB

Freq Pol GHz	Channel Name	Symbol rate
10.972 V	Service 2	2532
●10.978 V	NAHRAIN TV	2170
●11.345 H	CHANNEL 9	28780
11.345 H	ALPHA RADIO	28780
11.345 H	IFA DVB-H services	28780
11.345 H	{Empty}	28780
●11.490 V	SALAHADDIN TV	2170
●11.527 V	AL RAI 1B	2857
●11.530 V	afak	2857
●11.530 V	AL RAI 1B	2857
11.586 V	CFI PECO PRO	6511
●12.637 V	AL AHD	2532

ASTRA 1D,3A
23.5 East

AST01DKH



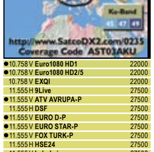
Freq Pol GHz	Channel Name	Symbol rate
●10.786 V	Alice Sat	22000
●10.786 V	Filepush Demo Servic	22000
●10.786 V	GAC 3106_ESN	22000
●10.786 V	LX9SES	22000
●10.786 V	MMS04C	22000
●10.786 V	Netsystem VPN	22000
●10.786 V	Proxy GAC 3106	22000
●10.786 V	Proxy_06B	22000
●10.786 V	Proxy_08	22000
●10.786 V	Proxy_10	22000
●10.786 V	SatSpeed VPN	22000
●10.842 V	ALFACAM_BEL_59	13333
●10.862 H	Ocko TV	22000
●10.862 H	A2C-RMT	22000
●11.475 V	ANN (arab)	28500
●11.475 V	France 24 (engl)	28500
●11.475 V	France 24 (frz)	28500
●11.475 V	GOD TV(engl)	28500
●11.475 V	Inter+ (ukr)	28500
●11.475 V	OBE TV (engl)	28500
●11.475 V	Phoenix CNE	28500
●11.475 V	Phoenix InfoNews	28500
●11.475 V	Pro TV International	28500
●11.475 V	RTVi Info (rus)	28500
●11.475 V	Samanyolu TV	28500
●11.475 V	The Poker Channel	28500
●11.475 V	TVR International	28500
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	SAT1 HH/SH	27500
11.513 H	SAT1 National	27500
11.513 H	SAT1 NRW	27500

Freq Pol GHz	Channel Name	Symbol rate
11.513 H	SAT1 NS/Bremen	27500
11.513 H	SAT1 RhlPf/Hessen	27500
11.513 H	Test BY	27500
11.513 H	TruckRadio	27500
●11.515 V	Comedy Central	27500
●11.515 V	Das Vierte	27500
●11.515 V	Eurosport	27500
●11.515 V	n-tv	27500
●11.515 V	RTL II	27500
●11.515 V	RTL Television	27500
●11.515 V	Super RTL	27500
●11.515 V	Viva	27500
●11.515 V	VOX	27500
●11.515 V	EPG Digital	27500
●11.592 V	Cartoon Network	28500
●11.592 V	Club TV	28500
●11.592 V	Disney Playhouse	28500
●11.592 V	Disney Toon + 1	28500
●11.592 V	Games TV	28500
●11.592 V	MTV Dance	28500
●11.592 V	MTV Dance (engl)	28500
●11.592 V	MTV Hits	28500
●11.592 V	MTV Hits (engl)	28500
●11.592 V	National Geo (engl)	28500
●11.592 V	National Geographic	28500
●11.592 V	Playboy TV	28500
●11.592 V	Relax TV	28500
●11.592 V	Sailing Channel	28500
●11.592 V	Sailing Channel (eng	28500
●11.592 V	SciFi (KD)	28500
●11.592 V	Spiegel TV Digital	28500
●11.592 V	The Biography Channe	28500
●11.592 V	Turner Classic Movie	28500
●11.595 H	ATV Avrupa (türk)	28500
●11.595 H	Canal 24 Horas	28500
●11.595 H	ERT Sat (griech)	28500
●11.595 H	Euro D (türk)	28500
●11.595 H	Euro Star (türk)	28500
●11.595 H	Kabel Digital Info	28500
●11.595 H	Nashe Kino (rus)	28500
●11.595 H	RTL Shop	28500
●11.595 H	RTP Internacional	28500
●11.595 H	RTR Planeta (rus)	28500
●11.595 H	RTVi (rus)	28500
●11.595 H	Traumpartner TV	28500
●11.595 H	TRTi (türk)	28500
●11.595 H	TV Polonia (pol)	28500
●11.595 H	TVEi (span)	28500
●11.635 H	Astro TV	28500
●11.635 H	Fashion TV	28500
●11.635 H	Gute Laune TV	28500
●11.635 H	History Channel	28500
●11.635 H	Kinowelt TV	28500
●11.635 H	Motors TV	28500
●11.635 H	Planet	28500
●11.635 V	redXclub 1	28500
●11.635 V	redXclub 2	28500
●11.635 V	redXclub Info	28500
●11.635 V	Select Kino 1	28500
●11.635 V	Select Kino 2	28500
●11.635 V	Select Kino 3	28500
●11.635 V	Select Kino 4	28500
●11.635 V	Select Kino 5	28500
●11.635 V	Select Kino 6	28500
●11.635 V	Select Kino 7	28500
●11.635 V	Select Kino Info	28500
●11.635 H	sonnenklar.TV	28500
●11.635 H	Trace.TV	28500
●11.635 H	tv.gusto Premium	28500
●11.635 H	Wetter Fernsehen	28500
●11.635 H	60er Hits	28500
●11.635 H	70er Hits	28500
●11.635 H	80er Hits	28500
●11.635 H	90er Hits	28500
●11.635 H	Alternative	28500
●11.635 H	Arabischer Pop	28500
●11.635 H	Big Band/Swing	28500
●11.635 H	Blues	28500
●11.635 H	Brasil	28500
●11.635 H	Chansons	28500
●11.635 H	Chillout	28500
●11.635 H	Classic Rock	28500
●11.635 H	Country & Western	28500
●11.635 H	Dance	28500
●11.635 H	Deutsche Hits	28500
●11.635 H	Deutsche Schlager	28500
●11.635 H	Deutscher Rock	28500
●11.635 H	Disco & Funk	28500
●11.635 H	Electronic Trends	28500
●11.635 H	Euro Hits	28500
●11.635 H	Evergreens	28500
●11.635 H	Französische Hits	28500
●11.635 H	Heavy Metal	28500
●11.635 H	Hottest Hits	28500
●11.635 H	Indie Classics	28500
●11.635 H	Instrumentals	28500
●11.635 H	Italienische Hits	28500
●11.635 H	Klassik Hits	28500
●11.635 H	Klassischer Jazz	28500
●11.635 H	Klassischer R & B	28500
●11.635 H	Love Songs	28500
●11.635 H	Modern Jazz	28500
●11.635 H	New Age	28500
●11.635 H	Perfect Dinner Party	28500
●11.635 H	Pop	28500
●11.635 H	Power Hits	28500
●11.635 H	R & B Hip Hop	28500
●11.635 H	Rap	28500
●11.635 H	Reggae	28500
●11.635 H	Rock Anthems	28500
●11.635 H	Rock'n' Roll Oldies	28500
●11.635 H	Spanischer Rock	28500
●11.635 H	Symphonie	28500
●11.635 H	Türkischer Pop	28500
●11.635 H	UK Hits	28500

AST01EV1

Freq Pol GHz	Channel Name	Symbol rate
●11.739 V	/Geschiedenis TV	27500
●11.739 V	Consumenten TV	27500
●11.739 V	Discovery Science	27500
●11.739 V	Discovery Travel	27500
●11.739 V	Etalagekanaal	27500
●11.739 V	Holland Doc	27500
●11.739 V	Humor TV	27500
●11.739 V	MGM	27500
●11.739 V	Nederland 4	27500
●11.739 V	NGC Wild	27500
●11.739 V	Playboy TV	27500
●11.739 V	Service 10	27500
●11.739 V	100%NL	27500
●11.817 V	Test H.264	27500
●11.817 V	ASTRA HD	27500
●11.817 V	FST 3.113	27500
●11.817 V	Proxy_10	27500
●11.817 V	TIC	27500
●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	FILMBOX EXTRA	27500
11.990 H	HBO	27500
●11.990 H	JimJam	27500
11.990 H	Nova	27500
●11.990 H	Nova Cinema	27500
11.990 H	Public TV	27500
●11.990 H	Spektrum	27500
●11.990 H	Viasat Explorer / Sp	27500
●11.990 H	Viasat History	27500
11.990 H	CS Link TV	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
●12.032 H	SatFlow	27500

AST03AKU



Freq Pol GHz	Channel Name	Symbol rate
●10.758 V	Euro1080 HD1	22000
●10.758 V	Euro1080 HD2/5	22000
10.758 V	EXQI	22000
11.555 H	9Live	27500
●11.555 V	ATV AVRUPA-P	27500
11.555 H	DSF	27500
●11.555 V	EURO D-P	27500
●11.555 V	EURO STAR-P	27500
●11.555 V	FOX TURK-P	27500
11.555 H	HSE24	27500
11.555 H	kabel eins	27500
●11.555 V	KANAL7 INT-P	27500
●11.555 V	LIG TV-P	27500
11.555 H	N24	27500
●11.555 V	NTV-P	27500
●11.555 V	POWER TURK-P	27500
11.555 H	ProSieben	27500
11.555 H	Sat. 1	27500

Freq Pol GHz	Channel Name	Symbol rate
●11.555 V	SHOW TURK-P	27500
11.555 H	Tele 5	27500
●11.555 V	TURKMAX-P	27500
●11.555 V	ALEM FM-P	27500
●11.555 V	MASAL RADYO-P	27500
●11.555 V	POWERTURK FM-P	27500
●11.555 V	RADYO D-P	27500
11.555 H	EPG Test	27500
11.675 V	Al Jazeera Int (engl	28500
●11.675 V	CH1 Russia (rus)	28500
11.675 V	EuroNews (itl)	28500
11.675 V	EuroNews (port)	28500
●11.675 V	EuroNews (rus)	28500
11.675 V	EuroNews (span)	28500
●11.675 V	Fox Turk (türk)	28500
●11.675 V	France 2 (frz)	28500
●11.675 V	France 3 (frz)	28500
●11.675 V	France 5 (frz)	28500
●11.675 V	iTVN (pol)	28500
●11.675 V	Kanal 7 Int (türk)	28500
●11.675 V	LiG TV (türk)	28500
●11.675 V	Rai 1 (itl)	28500
●11.675 V	Rai 2 (itl)	28500
●11.675 V	Rai 3 (itl)	28500
●11.675 V	Show Turk (türk)	28500
●11.675 V	Turkmax (türk)	28500
12.525 V	CT SPORT	27500
●12.525 V	CS Film/XXX/Test2	27500
12.525 V	CT 1	27500
12.525 V	CT 2	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
●12.565 V	1-2-3.tv (KD)	27500
●12.565 V	BBC World (engl)	27500
●12.565 V	BibelTV	27500
●12.565 V	Bloomberg	27500
●12.565 V	EuroNews	27500
●12.565 V	Eurosport 2	27500
12.565 H	Markiza	27500
●12.565 V	MTV	27500
●12.565 V	NICK	27500
12.565 H	STV1	27500
●12.565 H	STV1 TT	27500
12.565 H	STV2	27500
●12.565 H	STV2 TT	27500
●12.565 V	TV 5 (frz)	27500
12.565 H	TA3	27500
12.565 H	TV JOJ	27500
●12.565 V	ERF	27500
●12.565 V	Radio Horeb	27500
12.565 H	SM 1	27500
12.565 H	SM 2	27500
12.565 H	SM-CS	27500
●12.565 V	Sunshine Live	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-BBNew	27500
12.565 H	Radio - 7	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
●12.605 H	13th Street (KD)	28500
●12.605 H	AXN	28500
●12.605 H	AXN (engl)	28500
●12.605 V	BBC Prime (engl)	28500
●12.605 V	Boomerang	28500
●12.605 V	Boomerang (engl)	28500
●12.605 V	CNBC Europe (engl)	28500
●12.605 H	CNN (engl)	28500
●12.605 H	Der Schmuckkanal	28500
●12.605 V	Detski Mir	28500
●12.605 H	Disney Toon	28500
●12.605 V	DMAX	28500
●12.605 V	E! Entertainment	28500
●12.605 H	ESPN Classic	28500
●12.605 H	ESPN Classic (engl)	28500
●12.605 V	Extreme Sports	28500
●12.605 V	Extreme Sports (engl	28500
●12.605 V	GemsTV	28500
●12.605 H	Giga Digital	28500
●12.605 H	Jukebox	28500
●12.605 V	K1010	28500
●12.605 V	kabel eins classics	28500
●12.605 H	NASN	28500
●12.605 H	NASN (engl)	28500
●12.605 V	Playhouse Disney (en	28500
●12.605 H	QVC	28500
●12.605 V	Rock TV	28500
●12.605 V	Sat.1 Comedy	28500
●12.605 H	Silverline	28500
●12.605 V	Sky News (engl)	28500
●12.605 V	TCM Classic Movies (	28500
●12.605 V	Toon Disney (engl)	28500
●12.605 H	VH1 Classic	28500
●12.605 H	VH1 Classic (engl)	28500
●12.605 V	Voyages Television	28500
●12.605 H	Wein TV	28500
●12.605 V	BBC World Service	28500
●12.636 V	K-TV	2277
●12.649 H	OCKO-TV	5600
●12.672 V	Hamburg tx1	13016
12.672 V	RTL Hessen	13016
12.672 V	RTL NDS	13016
12.672 V	RTL SH	13016
12.725 V	Al Aqariya Real Esta	28500
●12.725 V	BVN (holl/belg)	28500
12.725 V	CaspioNet	28500
12.725 V	EuroNews (engl)	28500
●12.725 V	EuroNews (frz)	28500
12.725 V	First Musical Channe	28500
●12.725 V	Iran Music (pers)	28500
●12.725 V	LTV2 (lett)	28500
●12.725 V	Tunis 7 (tun)	28500
●12.725 V	TV Record (port)	28500
●12.725 V	tvCanaria (span)	28500

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	Oyoun Jeddah	27500
11.746 V	Saudi 1	27500
11.746 V	Saudi 2	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	Al Manar	27500
11.785 V	EL Emarah	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	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	Tele Liban	27500
11.785 V	test	27500
●11.785 V	Test 12	27500
●11.785 V	Test 13	27500
●11.785 V	Test 5	27500
11.785 V	Thane Express	27500
11.785 V	Al Nour Radio	27500
11.785 V	Orient Radio	27500
●11.785 V	Test 10	27500
●11.843 H	Rotana Zaman	27500
11.843 H	Al-Resala	27500
●11.843 H	Arabsat Coming Soon	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	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

Freq Pol GHz	Channel Name	Symbol rate
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	Koora	27500
11.862 V	MARAYA TV	27500
●11.862 V	Melody Trix	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	Yara TV	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

BADR04KB

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	Tunisie 21	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	TEST	27500
11.823 V	Thane Express	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	Alwseet	27500
11.938 V	Beeaty	27500
11.938 V	DardaChat	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	Mlive Club	27500
●11.938 V	Montadayat	27500
11.938 V	Morocco TV	27500
11.938 V	Rabet alkher	27500
●11.938 V	Rayhana TV	27500
11.938 V	SuperTech	27500
●11.938 V	Test	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	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	AL JAZEERA CHILDR	27500
12.032 H	Alkass	27500
12.032 H	JSC	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	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	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	Test	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	Funoon TV	27500
12.072 H	Luxe TV	27500
●12.072 H	SABA 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	Dubai Sports 2	27500
12.111 H	INFINITY 2	27500
12.111 H	SELEVISION TV	27500

Freq Pol GHz	Channel Name	Symbol rate
12.111 H	SHARAQIYA	27500
12.130 V	4Fun	27500
12.130 V	Al motahdth	27500
12.130 V	AlHaqiqah	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
●12.130 V	Shariq Alomar	27500
●12.130 V	Test1	27500
●12.130 V	Al Mirbad Radio	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	Fatwa	27500
●12.149 H	Info. Mohammed	27500
●12.149 H	Melody Trix	27500
●12.149 H	Melody Tunes	27500
12.149 H	Mersal	27500
12.149 H	Test-10	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	Zawag	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	MTV ARABIA	27500
12.166 V	CELRUN OTA	27500
12.205 V	Aalam Hawaa	27500
12.205 V	Al Fajir	27500
12.205 V	Al Iraqia	27500
12.205 V	Al Majd	27500
12.205 V	Al-Iraqia	27500
12.205 V	Al-Majid	27500
12.205 V	Al-Majid Quran	27500
12.205 V	AlHekmah	27500
12.205 V	almajd quran	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	PSC	27500
12.205 V	Qatar TV	27500
●12.205 V	Shada 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	Zafaf	27500
12.205 V	Al Iraqia R1	27500
12.205 V	Al Iraqia R2	27500
12.205 V	AL-Iraqia Quran	27500
12.205 V	PSC 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 R2	27500
●12.205 V	Yemen R1	27500
●12.205 V	Yemen 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	Qatar Radio	27500
10.971 H	Sout Al Khaleej	27500
●11.005 V	fashiontv Arabia	6430
●11.005 V	JARAS TV	6430
●11.005 V	OYOUN TV	6430
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	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 Boshra	27500
11.075 V	Al Hekmah	27500
11.075 V	Al Khalij	27500
11.075 V	Al Madina	27500
11.075 V	Al Omma	27500
●11.075 V	Al-Habeeb TV	27500
●11.075 V	Al-Qwafee	27500
11.075 V	AlFajr	27500
11.075 V	Aviation	27500
11.075 V	Bahry	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	Silk Road	27500
11.075 V	Taiba	27500
11.075 V	TIS	27500
11.075 V	Watani	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

TV Digital
Radio Digital
Channel
TV Analog
Radio Analog

Freq Pol GHz	Channel Name	Symbol rate
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	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 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	Gunaz TV	27500
11.585 V	HUDA	27500
11.585 V	New TV	27500
11.585 V	Noorsat Promo	27500
11.585 V	Sahar Tv	27500
●11.585 V	Supreme Master	27500
11.585 V	TIS	27500
11.585 V	ZAOL TV	27500
11.585 V	Zawjeti	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
11.642 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	Arrai	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	H G Business	27500
11.661 V	Imtiaz	27500
11.661 V	Industry	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	Rayeg	27500
11.661 V	Sama Dubai	27500
11.661 V	STOCK TV	27500
●11.661 V	Tahani	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
●11.770 H	AL DIYAR	18000
●11.770 H	syria 2	18000
●11.770 H	syria 3	18000
●11.770 H	syria 4	18000
11.770 H	test	18000
●11.770 H	Yemen r1	18000
●11.770 H	Yemen R2	18000
●12.180 H	Sheba TV	16196
12.180 H	test	16196
●12.180 H	YAMANIA	16196
●12.180 H	Yamania TV	16196
●12.180 H	Yemen TV	16196
●12.180 H	Yemen R1	16196
●12.180 H	Yemen R2	16196
●12.180 H	Yemen R3	16196
●12.180 H	Yemen R4	16196
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

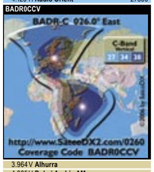
Freq Pol GHz	Channel Name	Symbol rate
●11.975 V	Al Watan Plus	27500
●11.975 V	Al Watan TV	27500
●11.975 V	Channel 11	27500
●12.090 V	AL HRMAIN	27500
●12.090 V	ALMOJTAMA	27500
●12.090 V	ARAB TV	27500
●12.090 V	Dunia TV	27500
●12.090 V	Panodrama	27500
●12.090 V	Petrogas TV	27500
●12.090 V	Recruitment TV	27500
●12.090 V	Shaer al Rasoul	27500
●12.090 V	Smarts Way	27500
●12.090 V	Zoal TV	27500
●12.090 V	Fujairah FM Radio	27500

C-Band: BADR-C
26.1 East

BADR0CCH

Freq Pol GHz	Channel Name	Symbol rate
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	Family TV	27500
3.882 H	Ghinwa	27500
3.882 H	MBC1	27500
●3.882 H	Oyoun Jeddah	27500
3.882 H	Press TV	27500
3.882 H	Qamar	27500
●3.882 H	Sayedaty	27500
3.882 H	Test	27500
3.882 H	Thane TV	27500
3.882 H	Thuraya TV	27500
●3.882 H	Yara TV	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
3.964 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	1385	27500
11.758 H	1481	27500
11.758 H	1483	27500
11.758 H	1381	27500
11.758 H	1382	27500
11.758 H	1383	27500
11.758 H	1384	27500
11.758 H	1386	27500
11.758 H	1387	27500
11.758 H	1388	27500
11.758 H	1389	27500
11.758 H	1482	27500
11.758 H	1484	27500
11.758 H	1485	27500
11.758 H	1486	27500
11.758 H	1487	27500
11.758 H	1488	27500
11.758 H	1489	27500
11.836 H	Sky Action	27500
11.836 H	Sky Classics	27500
11.836 H	Sky Comedy	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	5011	27500
●11.856 V	5012	27500
11.856 V	TV5	27500
●11.856 V	DCS5	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	TV5	27500
11.914 H	DCS5	27500
11.934 V	BLs	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 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
12.226 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	Brylcreem Dal	27500
●12.246 V	Portal Video 6	27500
12.246 V	Sky Bet, Vegas & Sky	27500
12.246 V	Vegas Elvis	27500
●12.246 V	Games Slot 33	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

Freq Pol GHz	Channel Name	Symbol rate
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	Channel 4 HD	29500
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.H&H+1	27500
11.876 H	Disc.H&Health	27500
●11.876 H	Disc.Knowldge	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	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 Trax	27500
11.895 V	MTV TWO	27500
●11.895 V	MTV®	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

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

Freq Pol GHz	Channel Name	Symbol rate
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	Sky Shop Test	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	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
●12.284 V	Nat Geo App	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	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	MiniWeb	27500
12.460 H	Pin Reminder Service	27500
●12.460 H	quick test	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	UKTV Style 2	27500
11.973 V	Zee Cinema	27500
11.973 V	Zee Gujarati	27500
11.973 V	Zee 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 dir	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	Sky Sports 3	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 2	27500
12.109 H	Sky Spts1 test	27500
12.109 H	SP1	27500
12.109 H	SP3	27500

Freq Pol GHz	Channel Name	Symbol rate
12.109 H	Spts Uefa	27500
12.109 H	TCM 2	27500
12.109 H	DCS2	27500
●12.188 H	4 Mix	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 Eire (Cable	27500
12.207 V	Sky News UK (Cable)	27500
12.266 H	Sky Sports 2	27500
12.266 H	SP2	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	SkyVenue	27500
12.266 H	{Empty}	27500
12.266 H	1720	27500
12.304 H	1429	27500
●12.304 H	9355	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	Sky Vegas	27500
12.304 H	SkyPoker.com	27500
12.324 V	Discovery HD	29500
●12.324 V	HD Retail Info	29500
●12.324 V	SBO HD2	29500
●12.324 V	Sky Arts HD	29500
12.344 H	Sky Box Office HD1	29500
12.344 H	Sky One HD	29500
●12.344 H	SkyMovies HD2	29500
12.363 V	History HD	29500
12.363 V	Nat Geo HD	29500
●12.363 V	SBO HD1	29500
●12.363 V	Test HD	29500
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	DW-TV	22000
10.744 H	RTE One	22000
10.744 H	RTE TWO	22000
10.744 H	TG4	22000
10.744 H	TV3	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

Freq Pol GHz	Channel Name	Symbol rate
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	DCT (t51)	22000
10.862 H	Disney Chnl	22000
10.862 H	Disney Chnl+1	22000
●10.862 H	Disney Cine	22000
●10.862 H	Disney Cine+1	22000
●10.862 H	Play Disney	22000
●10.862 H	Play Disney+	22000
●10.862 H	52071	22000
●10.862 H	52072	22000
●10.862 H	52073	22000
●10.862 H	52074	22000
●10.862 H	52075	22000
●10.862 H	52076	22000
●10.862 H	52077	22000
●10.862 H	52078	22000
●10.862 H	52079	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	FX+	22000
●10.876 V	Sky Real Lives	22000
●10.876 V	Sky RL Test	22000
10.876 V	Sky Sports 2	22000
●10.876 V	Sky Travel	22000
●10.876 V	SkyRealLive+1	22000
●10.876 V	SkyRealLives2	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	UTV	22000
●10.920 H	Current TV	22000
●10.920 H	NDTV 24x7	22000
●10.964 H	Five	22000
●10.964 H	Five Life	22000
●10.964 H	Five Life +1	22000
●10.964 H	Five US	22000
●10.964 H	Five US +1	22000

EUB001KF

Freq Pol GHz	Channel Name	Symbol rate
●11.222 H	52006	27500
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	Urban 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	Jackpot TV	27500
11.224 V	LivinginSpain	27500
11.224 V	Movies4Men 2	27500
11.224 V	MusFlashTV	27500
●11.224 V	Omusic TV	27500
11.224 V	Pitch TV	27500
11.224 V	Pitch TV Plus	27500
11.224 V	PTV Global	27500
●11.224 V	Red	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	Tease Me	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	OBE+1	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

Freq Pol GHz	Channel Name	Symbol rate
●11.307 V	JJB Sports TV	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	TV Warehouse1	27500
11.307 H	Vinappris	27500
11.307 V	Xleague.tv	27500
11.307 H	Premier	27500
●11.343 V	ParaComedy2+	27500
11.343 V	Setanta Sports	27500
11.343 V	52360	27500
11.343 V	AAG	27500
11.343 V	ARY QTV	27500
11.343 V	B4	27500
11.343 V	Babestation	27500
●11.343 V	Babeworld.tv	27500
11.343 V	Bliss	27500
11.343 V	Brit Shorts	27500
11.343 V	Fizz	27500
11.343 V	Flaunt	27500
11.343 V	GEO UK	27500
11.343 V	House Of Fun	27500
11.343 V	i Play TV	27500
●11.343 V	Innterplay	27500
11.343 V	Lucky Star	27500
11.343 V	Mainstreet	27500
●11.343 V	My Channel	27500
11.343 V	Pop +1	27500
11.343 V	PopGirl	27500
11.343 V	Psychic TV	27500
11.343 V	Raj TV	27500
●11.343 V	SA Direct	27500
11.343 V	Scuzz	27500
11.343 V	Sumo TV	27500
11.343 V	Tiny Pop +1	27500
11.343 V	True Movies	27500
11.343 V	True Movies 2	27500
11.343 V	Wine TV	27500
11.343 V	ZoneRomantica	27500
11.343 V	55216	27500
11.343 V	GROOVE	27500
11.343 V	HINRG LOWNRG	27500
11.343 V	WELL CLASS	27500
11.343 V	55250	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 H	AIT Int'l	27500
11.389 V	ARY The Musik	27500
11.389 H	channel U	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	52545	27500
11.426 V	AAG	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	KICC TV	27500
11.426 V	OBE	27500
●11.426 V	Urban TV	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

Freq Pol GHz	Channel Name	Symbol rate
11.469 H	Directgov	27500
11.469 H	Sky Customer Service	27500
11.488 V	Channel Punjab	27500
11.488 V	54063	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	Tease Me 2	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	FX+1	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
●11.508 H	Subaru Dal	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	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	GEO News	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	COI Tobacco Dal	27500
●11.565 V	Film DAL	27500
●11.565 V	Game DAL	27500
11.565 V	IA Homes Dal	27500
●11.565 V	Sky Charity	27500
11.565 V	Subaru Dal	27500
●11.565 V	Video Application Va	27500
11.565 V	Ford retail Dal	27500
11.565 V	Gadget Test App Dal	27500
●11.565 V	Games Slot 27	27500
●11.565 V	Games Slot 28	27500
●11.565 V	Games Slot 29	27500
●11.565 V	Games Slot 30	27500
●11.565 V	Games Slot 31	27500
●11.565 V	Games Slot 32	27500
●11.565 V	Games Slot 33	27500
●11.565 V	Games Slot 34	27500
●11.565 V	Games Slot 35	27500
●11.565 V	Games Slot 36	27500
11.565 V	Movie Quiz	27500
●11.565 V	Nicotinell Dal	27500
11.565 V	Sky Anytime Dal	27500
11.565 V	Sky Wonder Perks	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
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	50630	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	LiverpoolFCTV	27500
●11.585 H	NASN	27500
●11.585 H	Racing UK	27500
●11.585 H	Racing World	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	Setanta Ireland	27500
●11.585 H	Setanta Sports	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	50854	27500
11.623 H	Abu Dhabi TV	27500
11.623 H	Babe Central	27500
●11.623 H	Bedroom TV	27500
●11.623 H	HappyHourGirls	27500
11.623 H	Horse & Country	27500
11.623 H	PCNE Chinese	27500
11.623 H	PTV Prime	27500
●11.623 H	Russia Today	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

Freq Pol GHz	Channel Name	Symbol rate
11.642 V	ARY QTV	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	Brit Shorts	27500
11.642 V	Chart Show TV	27500
11.642 V	Fizz	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	NME TV	27500
11.642 V	POP	27500
11.642 V	Pop +1	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	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	True Movies	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
●11.662 H	Ladbrokes Test APP3	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	Peace TV	27500
11.681 V	TBN Europe	27500
●11.720 H	Sky Sports HD1	29500
●11.720 H	Sky Sports HD2	29500
●11.720 H	test	29500

EUB001S2

Freq Pol GHz	Channel Name	Symbol rate
12.523 V	BabyFirst	27500
●12.523 H	55003	27500
●12.523 H	55113	27500
12.523 H	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 H	Genesis	27500
12.523 H	Information TV	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 V	NASN	27500
12.559 H	Rangers TV	27500
12.559 H	Setanta Golf	27500
●12.559 H	Setanta News	27500
12.559 H	Setanta Sports1	27500
12.559 H	Setanta Sports2	27500
●12.559 V	54129	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	redhot 40+	27500
●12.607 H	redhot amateur	27500
●12.607 H	redhot dd	27500
●12.607 H	redhot fetish	27500
●12.607 H	redhot girl girl	27500

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Freq GHz Pol Channel Name Symbol rate

●12.607 H redhot just 18 27500
●12.607 H RedHot Raw 27500
●12.607 H redhot viewers 27500
12.607 H Television X 27500
12.607 H Television X 2 27500
12.607 H Television X 3 27500
12.607 H Television X4 27500

●12.643 H Luxe TV HD 27500
12.643 H Fantasy 1 27500
12.643 H Fantasy 2 27500
12.643 H Private One 27500
●12.643 H Iqra TV 27500
●12.643 H Luxe TV 27500
12.643 H Noor TV 27500
12.643 H PitchGaming2 27500
12.643 H Xleague.tv 27500

ARABSAT 2B
30.5 East
ARA02BKU

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 Tunis 14800
12.572 H Ethiopia R1 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 SUDANTV1 4220
12.589 V AL DIYAR 4220
12.589 V DEFAULT 4220
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
12.697 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

3.913 R TVZ-01MR, TVM Plus 8150
3.913 R TVZ-01MR, TVM 1 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 NOUR RADIO 3125

INTELSAT 802/EUROBIRD 3
33.0 East
EUB003KA

●11.175 H Animal Planet 23600
●11.175 H GTV 23600
●11.175 H Jetix/Art Ch. 23600
●11.175 H Planeta 23600
●11.175 H Planeta PP 23600
●11.175 H Premium Digital 23600
●11.175 H ART Channel 23600
●11.175 H Estate 23600
●11.175 H FolklorTV 23600
●11.175 H Kanal 3 23600
●11.175 H MMTV 23600
●11.175 H SC Folk 23600
●11.175 H Zdrave 23600
11.472 H EB3-A Linkstar Servi 27500
11.472 H Integrasys 27500
11.472 H PCR 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
11.598 H EB3-D Linkstar Servi 27500
11.598 H PCR 27500
●11.650 V Turf TV 10098
●11.650 V SSU1 10098
●11.685 H TS11_1 17360
●11.685 H TS11_2 17360
●11.685 H TS11_3 17360

EUB003KB

10.978 V Test 5787
11.098 H TV8 Mont Blanc 2441
11.110 H FOX TURK 3124
11.140 V MTV/MICK WALLONNE 4881
●11.165 V RETE ORO 1666
11.590 V MAP TV 27500
●11.596 V Radio BNL 27500
●11.596 V Radio Carrefour 27500
●11.596 V Radio GS 27500
11.596 V EB3-B Linkstar Servi 27500
11.596 V EB3-C-CTLPID 27500
11.596 V PCR 27500

EUTELSAT SESAT,W4
36.0 East
EUTW04AF

11.476 H 13RUE 29000
11.476 H Arte 29000
11.476 H Can+C 29000
11.476 H CineC 29000
11.476 H FR2 29000
11.476 H FR5 29000
●11.476 H Fut (was Arte) 29000
11.476 H KBCTV 29000
11.476 H NTV 29000
11.476 H Plan 29000
●11.476 H RTBF 29000
11.476 H RTL9 29000
11.476 H RTNC 29000
11.476 H Sprt+ 29000
11.476 H Tiji 29000
11.476 H TRACE 29000
11.476 H TraceTV 29000
11.476 H CORO 29000
11.476 H IDHAA 29000
11.476 H KBCes 29000
11.476 H METRO 29000
11.559 H AXN 29000
11.559 H DsnyP 29000
11.559 H Globo 29000
11.559 H MTV P 29000
11.559 H NGeoP 29000
●11.559 H RTNC 29000
11.559 H RTPa 29000
11.559 H SIC I 29000
11.559 H SIC N 29000
●11.559 H TVC1 29000
●11.559 H TVC2 29000
11.559 H TVMoz 29000
11.559 H TVRec 29000
11.559 H TVUga 29000
●11.559 H Ant 1 29000
●12.284 H Event 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 Z D F 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 TSN 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 Mstar 23438
12.437 H MTV B 23438
●12.437 H OneG 23438
12.437 H SABCA 23438
●12.437 H SS10 23438
12.437 H SS2 23438
12.437 H SSsel 23438
●12.437 H Even2 23438
12.437 H ITest 23438
●12.437 H Ang 2 23438
12.437 H DMove 23438
12.476 H AfMag 26040
12.476 H BBC F 26040
12.476 H ChO 26040
12.476 H Disc 26040
●12.476 H Event 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
●12.476 H OKSL 26040

EUT0W4EU

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
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-TECT 27500
12.265 L 010D010B0F 27500
12.303 L TB3 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 METEO 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 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

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 AZTV- 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

12.111 L Service 1 (SD) 26500
12.111 L Service 2 (SD) 26500
12.111 L Powerkhnost Test 26500
12.111 L Service 1 (HD) 26500
12.111 L Service 2 (HD) 26500
●12.511 H CASPIO-NET 4340
12.511 H KANAL A 4340
12.511 H Radyo A 4340
●12.545 H MediSAT 2734
●12.596 V VIDEOLINA SAT 2500
●12.616 V TBM 1628
●12.625 V ZAGROS 2668

C-Band: PAKSAT 1
38.0 East
PAK001CB

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

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
3.945 H Play TV 4700
3.951 H Haq TV 4340
3.961 H Infomax 27900
3.968 H Test 11481
● 4.035 H PTV.LAHORE PAK S 3255
4.105 H Labbaik TV 3333
4.120 H Indus Vision 3305

HELLAS SAT 2 - Europe
39.0 East
HEL002F1

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 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 ERT3 102 Makedonia 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 RADIOSTY 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 Fashion TV 13333
12.556 H Folklor TV 13333
●12.556 H Jetix 13333
12.556 H Perviy Kanal 13333
●12.556 H Ring TV 13333
12.556 H RTVI 13333
●12.556 H TV2 13333
12.556 H Zone Reality 13333
●12.565 V Acasa TV 30000
●12.565 V Antena 1 30000
●12.565 V Antena 2 30000
●12.565 V Antena 3 30000
●12.565 V AXN 30000
●12.565 V B1 TV 30000
●12.565 V Favorit TV 30000
●12.565 V Minimax/Anime 30000
●12.565 V N24 30000
●12.565 V National TV 30000
●12.565 V OTV 30000
●12.565 V Prima TV 30000
●12.565 V PRO TV 30000
●12.565 V PRO TV INTL. 30000
●12.565 V Realitatea TV 30000
●12.565 V Sport.ro 30000
12.565 V test 30000
●12.565 V X-Dream TV 30000
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
●12.606 H Animal Planet 30000
●12.606 H AXN SCI FI 30000
●12.606 H Cinemax 2 30000
●12.606 H Discovery 30000
●12.606 H Euforia 30000
●12.606 H Eurosport 2 30000
●12.606 H HBO Comedy 30000
●12.606 H Kiss TV 30000
●12.606 H Money Channel 30000
●12.606 H Science 30000
●12.606 H Sport Klub 30000
12.606 H test 30000
●12.606 H TVR 1 30000
●12.606 H TVR 2 30000
●12.606 H TVR Cultural 30000
●12.606 H VH 1 Classic 30000
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 Cartoon Network 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 TCM 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 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 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 FOX Crime 30000
●12.688 H FOX Life 30000
12.688 H Hallmark 30000
●12.688 H HBO 30000
12.688 H HBO Comedy 30000
12.688 H Hobby TV 30000
●12.688 H MTV Europe 30000
12.688 H Nat. Geographic 30000
12.688 V PRO Cinema 30000
●12.688 V TELESPORT 30000
●12.688 H Test 2 30000
12.688 H TRACE 30000
12.688 V Travel Channel 30000
12.688 H TV1000 30000
12.688 V 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
12.734 V Baby TV 30000
12.734 V Euro Channel 30000
12.734 V Jetix 30000
12.734 V KidsCo 30000
●12.734 V Movies 24 30000
12.734 V Nickelodeon 30000
12.734 V Test Dolce 30000
12.734 V Test Dolce 10 30000
12.734 V Test Dolce 2 30000
12.734 V Test Dolce 3 30000
12.734 V Test Dolce 4 30000
12.734 V Test Dolce 5 30000
12.734 V Test Dolce 6 30000
12.734 V Test Dolce 7 30000
12.734 V Test Dolce 8 30000
12.734 V Test Dolce 9 30000
12.734 V TVRM 30000
12.734 V (Empty) 30000
12.734 V Etno 30000
12.734 V Taraf 30000

HEL002F2

10.956 V GNET 4123
10.956 V MAD TV BULGARIA 4123
10.956 V MAD RADIO 4123
11.037 V PTV 5210
11.037 V CNBC Europe 5210
11.037 V Hellas Sat STN Pro 5210
11.135 V Calabria Channel 1425
●11.135 V Pgm1 1425
12.715 V test 6654

HEL002ME

11.512 H FEED 30000
11.512 H HTH 30000
11.512 H KDRTRK 30000
11.512 H KRT 30000
11.512 H KULTURA 30000
11.512 H TV BITA 30000
11.512 H UBK 30000
11.512 H UTR 30000
11.512 H ZAGRAVA 30000
11.512 H RUI2 30000
11.512 H StudioChocolate 30000
11.512 H StudioChocolate_2 30000
11.512 H UR1 30000
11.512 H UR2 30000
11.512 H UR3 30000

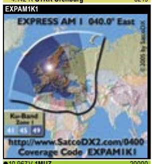
HELLAS SAT 2 - South Africa
39.1 East
HEL002S1

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

EXPRESS AM1
40.0 East
EXPAM1C1

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 Al-10 33483
3.675 R Radio Al-11 33483
3.675 R Radio Al-3_Al-9 33483
3.675 R Radio Al-8_Al-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
● 3.740 R GTRK VOLOGDA 3230
● 3.771 R SCOPUS-NET-TECH 3330
3.865 R RGVK-DAGESTAN 4000
● 3.873 R VAYNAH TV 4340
● 4.059 R GTRK ELISTA 3230
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



●10.967 V 1MUZ 20000
●10.967 V 5 Kanal 20000
●10.967 V 7 TV 20000
●10.967 V Dom Kino 20000
●10.967 V Orbita-4 20000
●10.967 V Russia Double-4 20000
●10.967 V Telecafe 20000
●10.967 V Telenyanya 20000
●10.967 V TV Centr 20000
●10.967 V Vesti 20000
●10.967 V Vremya 20000
●10.967 V Radio Rossii D4 20000
●10.967 V Yunost 20000
●10.995 V 1 Kanal 20000
●10.995 V 5 Kanal 20000
●10.995 V Home 20000
●10.995 V Kultura 20000
●10.995 V MuzTV 20000
●10.995 V RTR Sport 20000
●10.995 V Russia 20000
●10.995 V STS 20000
●10.995 V TNT 20000
●10.995 V TNV 20000
●10.995 V TV Centr 20000
●10.995 V Golos Rossii 20000
●10.995 V Love Radio 20000
●10.995 V Mayak 20000
●10.995 V Novy Vek 20000
●10.995 V Radio Kultura 20000
●10.995 V Radio Rossii 20000
●10.995 V Radio Zvezda 20000
11.097 H TV 4000
11.097 H FM 4000
11.159 V SPACE TV AZERBAIJ 3333

TURKSAT 1C, 2A
42.0 East
EAS001KE

11.733 H EAS PROMO 3291
11.733 H Polis radyosu 3291
11.733 H POLIS RADYOSU 3291
11.739 H KANALTURK 3125
11.739 H RADYOTURK 3125
11.748 H KANAL 7 4444
11.748 H RADYO 7 4444
11.753 H AVRASYA TV 3000
11.759 H ALEM FM 5925
11.759 H SHOW TV 5925
11.775 H ALJAZEER 2222
11.794 H STAR TV 5632
11.794 H Game Portal 5632
11.794 H HOROSCOPE 5632
11.794 H MEMORY 5632
11.800 H ANS GROUP 2400
11.892 H NBA TV 12800
11.892 H CNBC 12800
11.892 H CNBC-e 12800
11.892 H e2 12800
11.892 H E2 12800
11.892 H NTV 12800
11.892 H N 101 12800
11.892 H NTV Radyo 12800
11.892 H Radyo Eksen 12800
11.892 H Rokket FM 12800
11.905 H KANAL D 6666
11.905 H iPORTAL 6666
11.905 H RADYO D 6666
11.905 H BACKGAMMON 6666
11.905 H OPERATION OCTOPUS 6666
11.912 H AYNA TV 3332
11.966 H ANIMAL PLANET 12500
11.966 H CIVILISATION 12500
11.966 H COMEDY SMART 12500
11.966 H SCIENCE 12500
11.966 H TRAVEL & LIVING 12500
11.966 H WORLD FASHION 12500
11.966 H D-SMART PROMO 12500
11.966 H DISCOVERY CHANNEL 12500
11.966 H RADYO HABERTURK 12500
12.002 H atv 4800
12.008 H KANAL 1 4400
12.008 H . 4400
12.008 H MARMARA RADYO 4400
12.028 H samanyolu.tv 4557
12.028 H Burc FM 4557
12.028 H Dunya Radyo 4557
12.028 H SHaber Radyo 4557
12.688 H A Plus Live 2400
12.688 H Kanal Market 2400
12.692 H AZAD AZERBAYCAN 2800
●12.699 H EGE TV 2400

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11.712 V SES TV 2963
11.717 V HILAL TV 2222
11.717 V GÖZYAŞI FM 2222
11.727 V ELMAX 15555
11.727 V INTIMACY 15555
11.727 V JOJO 15555
11.727 V LIG TV 15555
11.727 V S'NEK 15555
11.727 V TÜRKMAX 15555
●11.727 V Z 15555
11.727 V SHOWROOM 15555
11.727 V MASAL RADYO 15555
11.727 V POWER FM 15555
11.727 V POWERTURK 15555
11.727 V TEST 15555
11.727 V CAM SW 15555
11.727 V HUMAX DOWNLOAD SV 15555
11.727 V VESTEL ZAP DOWNLO 15555
●11.743 V CAY TV 2222
●11.754 V 24 3900
●11.758 V CEM TV 2962
11.758 V CEM RADYO 96.4 2962
●11.762 V SU TV 2155
11.765 V KaradenizTV 2222
●11.765 V SU TV 2222
11.765 V KaradenizFM 2222
11.765 V MÜJDEFM EGE 2222
11.765 V Radyo EKİN 2222
11.765 V RADYO VATAN 2222
●11.770 V DTV 2177
11.773 V Dost TV 2420
●11.777 V TGRT EU 3150
●11.777 V TGRT FM 3150
11.781 V FOXTURK 2815
●11.804 V DREAM TV 24444
●11.804 V DREAM TÜRK 24444
●11.804 V PASSION TV 24444
●11.804 V WORLD FASHION 24444
●11.804 V BJK TV 24444
●11.804 V CNN TÜRK 24444
●11.804 V DA VINCI LEARNING 24444
●11.804 V EURO D 24444
●11.804 V EURO STAR 24444
●11.804 V FB TV 24444
●11.804 V FIX TV 24444
●11.804 V GS TV 24444
●11.804 V POWERTÜRK TV 24444
●11.804 V RADYO MODA 24444
●11.804 V BEST FM 24444
●11.804 V CNN TÜRK RADYO 24444
●11.804 V FENOMEN 24444
●11.804 V RADYO D 24444
●11.804 V SLOW TÜRK 24444
●11.804 V İSTANBUL FM 24444
●11.804 V EPG Dynamic Update 24444
●11.804 V (Empty) 24444
11.830 V TV 8 6666
●11.839 V TURKMEN TV 4444
11.846 V TV5 3333
11.846 V YenicagTV 3333
●11.852 V Akilli_TV 4444
●11.852 V Smart 4444
●11.852 V TARAFTAR_TV 4444
●11.852 V Z_TV 4444
●11.858 V TATLISES TV 2400
11.867 V KANAL B 4444
●11.874 V MELTEM TV 3400
●11.874 V ZLEM TV 3400
●11.874 V MEYDA FM 3400
●11.874 V Meltem Radyo 3400
●11.874 V RADYO 3400
●11.874 V RADYO ILAC 3400
●11.877 V KADIRGA TV 3750
●11.877 V MARMARA TV 3750
●11.877 V MESAJ TV 3750
●11.877 V Meltem Radyo-2 3750
●11.882 V ASSK 2965
●11.882 V Kanal Avrupa 2965
●11.882 V VTV 2965
●11.887 V Expo Channel TV 3333
●11.887 V TurkSporTV 3333
●11.892 V AVRASYA-TV 2960
●11.892 V Radyo ***** 2960
●11.896 V SAMSUN AKS TV 2222
11.920 V TRT 1 24440
11.920 V TRT 2 24440
11.920 V TRT 3 24440
11.920 V TRT 4 24440
11.920 V TRT INT 24440
11.920 V Meteorolojinin Sesi 24440
11.920 V RADYO 1 24440
11.920 V RADYO 2 (TRT FM) 24440
11.920 V RADYO 3 24440
11.920 V RADYO 4 24440
11.920 V Radyo GAP 24440
11.920 V TSR Turkce 24440
11.920 V Turizm Radyosu 24440
11.920 V VOT East 24440
11.920 V VOT West 24440
11.920 V VOT World 24440
11.952 V MEHTAP TV 8800
11.952 V S HABER 8800
11.952 V SAMANYOLU TV 8800
11.952 V YUMURCAK TV 8800
11.952 V INTERCOM 8800
11.952 V AKRA FM 8800
11.952 V BURC FM 8800
11.952 V DUNYA RADIO 8800
11.952 V MARMARA FM 8800
11.952 V MORAL FM 8800
11.952 V RADYO 15 8800
●11.959 V FIRST TV 2960
●11.959 V KIBRIS GENC TV 2960
●11.959 V KIRMIZI TV 2960
11.959 V CYS FEED 2960
11.959 V FIRST FM 2960
11.963 V DOGU TV 2300
11.973 V KONTV 2240
●11.996 V DEM TV 26000
11.996 V DugunTV 26000
11.996 V Gaziantep Olay 26000
11.996 V Genc TV 26000
11.996 V GERCEK TV 26000
11.996 V HAYAT TV 26000
11.996 V Istanbul TV 26000
●11.996 V KANAL T 26000
11.996 V M-ON 26000
11.996 V Manolya.TV 26000
11.996 V MAVI KARADENIZ 26000
11.996 V Ordu TV 26000
●11.996 V SPORTV 26000
11.996 V Tempo TV 26000
11.996 V TURKSHOP 26000
11.996 V TURKSHOW 26000
11.996 V Yol TV 26000
11.996 V Ekin Radyo 26000
11.996 V KUPE FM 26000
11.996 V Metro FM 26000
11.996 V RADYO SPOR 26000
11.996 V RADYO TATLISES 26000
11.996 V RADYO TIME 26000
11.996 V RADYOPINK 26000
11.996 V Super FM 26000
11.996 V OTA-DBC 26000
12.126 V HABER 7 6665
12.126 V KANAL7 INT 6665
12.126 V tvt 6665
●12.126 V ... 6665
12.126 V ; 6665
12.126 V RADYO M-R 7 6665
●12.134 V BUSINESS 3333
12.141 V EAS_PROMO 4444
●12.141 V NUMBER ONE TV 4444
●12.141 V NUMBER ONE FM 4444
●12.141 V POLIS RADYOSU 4444
●12.141 V RADYO KLAS 4444
●12.141 V RADYO MYDONOSE 4444

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12.507 H BERAT 3900
●12.507 H ISTANBUL TV 3900
12.507 H MMC TURK 3900
12.507 H SEBIL 3900
12.507 H STOP/T.TEMPO 3900
●12.507 H ISTANBUL FM 3900
12.513 H KANAL A 4400
12.513 H Dunya Radyo 4400
12.513 H Radyo A 4400
●12.518 H SHOPPING 3125
12.524 H SKYTURK 4250
12.530 H SHOW TURK 4444
●12.536 H HALK TV 2962
12.540 H EUROTURK 3125
12.540 H MAX 3125
●12.590 V MZE & 1ST . 3000
12.595 V Rustavi 2 2500
●12.605 V georgian tv 2962
●12.609 V IMEDI TV 3700
12.614 V FLASH TV 3333
12.633 V atv 4800
12.633 V TURKC 4800
●12.633 V . 4800
●12.633 V RADIO CITY 4800
●12.635 H Buket TV 4800
●12.635 H Kral TV 4800
●12.635 H Kral FM 4800
●12.638 V YENI ASIR TV 2400
12.646 V KACKAR TV 3333
12.646 V TEST 3333
12.646 V YILDIZ TV 3333
12.646 V KACKAR FM 3333
12.646 V RIZENIN SESI 3333
12.646 V TEST 3333
12.652 H D ÇOCUK 22500
12.652 H FANTASY 22500
12.652 H D MAX 22500
12.652 H D PLUS 22500
12.652 H D SHOPPING 22500
12.652 H D SPOR 22500
12.652 H D YEŞİLÇAM 22500
12.652 H EMLAK TV 22500
●12.652 V HABERTURK TV 3900
12.652 H KRAL TV 22500
12.652 H LOCA1 22500
12.652 H LOCA2 22500
12.652 H LULY 22500
●12.652 H MOVIE SMART 22500
12.652 H T.A.Y. TV 22500
12.652 V YABAN TV 3900
●12.652 H GECE KUPADI 22500
12.652 H LOCA PORTAL 22500
12.665 V teknoloji tv 2344
●12.672 H KANAL 67 2222
12.680 H Cine5 8888
12.680 H Gala 8888
12.680 H Supersport 8888
12.680 H Viva 8888
12.680 H . 8888
●12.680 H Nostalji TURK 8888
12.680 H Radyo Viva 8888
12.680 H Radyo5 8888
12.680 H Show Radyo 8888
12.696 V RENKLI TUGLALAR 2222
12.702 H ULUSAL TV 2285
12.702 H YON FM 2285
12.706 H E MEDYA INTERNATI 2400
●12.717 V NBA TV 5925
●12.717 V NTV BATI 5925
●12.717 V Intercomm 5925
●12.717 V 87.7 5925
●12.717 V N 101 5925
12.731 V EAS PROMO 3333

TUR01CEB

11.607 H AzTV Azerbaijan 3750
11.694 H TRT-TURK 4444

TUR01CWB

●10.956 V AAA TV 5859
10.956 V Cep SMS 5859
●10.956 V DEM TV 5859
10.956 V Mobilca TV 5859
10.956 V ON+ 5859
●10.956 V Premium TV 5859
●10.956 V Promosyon 5859
10.956 V Sevince TV 5859
10.956 V Tatil TV 5859
10.956 V Tube 5859
10.956 V VIX TV 5859
10.956 V Wap TV 5859
10.962 V Finest TV 3670
●10.962 V IMAN TV 3670
10.962 V KIRMIZI 3670
10.962 V Love TV 3670
10.962 V MOBILE 3670
●10.962 V SICAK TV 3670
●10.969 V BRTK KKTC 4557
●11.003 V HATAY TV 2175
●11.007 V OLAY TV & FM 2950
●11.011 V Service 1 2125
●11.014 V FASHIONONE 2050
●11.018 V K.MARAS AKSU TV 2150
●11.023 V AirBox 4444
●11.023 V Dating TV 4444
●11.023 V Finest 4444
●11.028 V TV 58 2400
11.136 V ATA TV 2170
11.142 V BASKENT-AB TV 2200
11.159 V RUMELI TV 2596
●11.162 V MPL TV 2222
●11.162 V MPL RADYO 2222
●11.166 V BENGUTURK TV 2960
●11.177 V VATAN TV 2200

TURKSAT 2A
42.1 East
EAS001KE

11.733 H Eurasiasat promo 3291
11.733 H Polis Radyosu 3291
11.757 V Avrasya-ANK 2960
11.757 V CEM TV 2960
11.757 V CEM RADYO 96.4 2960
11.759 H Show TV 5925
11.763 V SU TV 2155
11.788 H Palestine Channel 2892
11.794 H STAR TV 5632
11.794 H Game Portal 5632
11.794 H HOROSCOPE 5632
11.794 H MEMORY 5632
11.800 H ANS TV 2400
11.800 H ANS Ch.M. 2400
11.820 H Avrasya TV 3000
11.820 H Avrasya FM 3000
11.892 H NBA TV 12800
11.892 H CNBC-e 12800
11.892 H e2 12800
11.892 H NTV 12800
11.892 H N 101 12800
11.892 H NTV Radyo 12800
11.892 H Radyo Eksen 12800
11.892 H Rokket FM 12800
11.905 H KANAL D 6666
11.905 H Kanal D 6666
11.905 H IFB&TEK1 6666
11.905 H IFB&TEK2 6666
11.905 H IFB&TEK3 6666
11.905 H IFB&TEK4 6666
11.905 H iPORTAL 6666
11.905 H Radio Time 6666
11.905 H Radyo D 6666
11.905 H RADYO D 6666
11.905 H BACKGAMMON 6666
11.905 H OPERATION OCTOPUS 6666
11.912 H Ayna TV 3332
11.977 H CNBC-E 27500
11.977 H DISCOVERY 27500
11.977 H NBA 27500
11.977 H NICKELODEON 27500
11.977 H NTV 27500
11.977 H KANAL 7 27500
11.977 H NR1 27500
12.002 H ATV Turkiye 4800
12.008 H Kanal 1 4400
12.008 H Turk C 4400
12.017 H TGRT 8150
12.017 H TGRT Haber TV 8150
12.017 H TGRT Pazarlama TV 8150
12.017 H Blank audio channel 8150
12.017 H TGRT FM 8150
12.028 H Samanyolu TV 4557
12.028 H Audio tests 4557
12.028 H Burc FM 4557
12.028 H Dunya Radyo 4557

EAS001KW

11.712 V SES TV 2963
11.717 V HILAL TV 2222
11.717 V GÖZYAŞI FM 2222
11.727 V ELMAX 15555
11.727 V INTIMACY 15555
11.727 V KANAL L 15555
11.727 V LIG TV 15555
11.727 V RETROMAX 15555
11.727 V S'NEK 15555
11.727 V TÜRKMAX 15555
11.727 V İZ 15555
11.727 V JOJO 15555
11.727 V SHOWROOM 15555
11.727 V MASAL RADYO 15555
11.727 V POWER FM 15555
11.727 V POWERTURK 15555
11.727 V TEST 15555
11.727 V CAM SW 15555
11.727 V HUMAX DOWNLOAD SV 15555
11.727 V VESTEL ZAP DOWNLO 15555
11.743 V CAY TV 2222
11.765 V KaradenizTV 2177
11.765 V SU TV 2177
11.765 V KaradenizFM 2177
11.765 V MÜJDEFM EGE 2177
11.765 V Radyo EKİN 2177
11.765 V RADYO VATAN 2177
11.773 V Dost TV 2420
11.773 V Dost FM 2420
11.779 V Manolya TV 6250
11.779 V TEST 6250
11.779 V TGRT EU 6250
11.779 V TGRT FM 6250
11.779 V FIKIRSHOW 6250
11.779 V MANOLYA 6250
11.779 V TGRT EU 6250
11.779 V TGRT FM 6250
11.804 V DHA FEED 24444
11.804 V MOVIE SMART 24444
11.804 V PASSION TV 24444
11.804 V BJK TV 24444
11.804 V CNN TURK 24444
11.804 V CNN TÜRK 24444
11.804 V DHA FEED 24444
11.804 V DREAM TURK 24444
11.804 V DREAM TV 24444
11.804 V DREAM TÜRK 24444
11.804 V EURO D 24444
11.804 V EURO STAR 24444
11.804 V FB TV 24444
11.804 V FIX TV 24444
11.804 V GS TV 24444
11.804 V MAX TV 24444
11.804 V MMC Euroturk 24444
11.804 V POWERTURK TV 24444
11.804 V POWERTURK TV 24444
11.804 V IFB-TEK 1 V POL 24444
11.804 V IFB-TEK 2 V POL 24444
11.804 V IFB-TEK 3 V POL 24444
11.804 V IFB-TEK 4 V POL 24444
11.804 V RADIO TEST 24444
11.804 V BEST FM 24444
11.804 V CNN TURK RADIO 24444
11.804 V CNN TÜRK RADYO 24444
11.804 V FENOMEN 24444
11.804 V istanbul FM 24444
11.804 V POWER XL 24444
11.804 V RADYO D 24444
11.804 V RADYO TIME 24444
11.804 V SLOW TURK 24444
11.804 V SLOW TÜRK 24444
11.804 V İSTANBUL FM 24444
11.804 V (Empty) 24444
11.839 V TURKMEN TV 4444
11.846 V TV5 3333
11.852 V MaviAkdeniz 4444
11.852 V S TEST 4444
11.852 V Smart 4444
11.857 V Tatlises TV 2400
11.867 V KANAL B 4444
11.874 V Meltem TV 3400
11.874 V FM 3400
11.874 V Meltem Radyo 3400
11.874 V Radyo 3400
11.874 V Radyo Ilac 3400
11.877 V mesaj tv 2598
11.882 V KANAL AVRUPA 2965
11.887 V T------- S----- 3333
11.892 V Avrasya-ANK 2960
11.892 V Radyo BANKO 2960
11.923 V TRT 1 24440
11.923 V TRT 2 24440
11.923 V TRT 3 24440
11.923 V TRT 4 24440
11.923 V TRT INT 24440
11.923 V Audio Test Tone 24440
11.923 V Meteorolojinin Sesi 24440
11.923 V RADYO 1 24440
11.923 V RADYO 2 (TRT FM) 24440
11.923 V RADYO 3 24440
11.923 V RADYO 4 24440
11.923 V Radyo GAP 24440
11.923 V TSR Turkce 24440
11.923 V Turizm Radyosu 24440
11.923 V VOT East 24440
11.923 V VOT West 24440
11.923 V VOT World 24440
11.945 V TD 1 2960
11.952 V MEHTAP TV 8800
11.952 V S HABER 8800
11.952 V SAMANYOLU TV 8800
11.952 V YUMURCAK TV 8800
11.952 V INTERCOM 8800
11.952 V AKRA FM 8800
11.952 V BURC FM 8800
11.952 V DUNYA RADIO 8800
11.952 V MARMARA FM 8800
11.952 V MORAL FM 8800
11.952 V RADYO 15 8800
11.959 V KIBRIS GENC TV 2960
11.959 V CYS FEED 2960
11.959 V FIRST FM 2960
11.963 V DOGU TV 2300
11.970 V Test 4340
11.973 V KONTV 2239
11.996 V Ask TV 26000
11.996 V Box TV 26000
11.996 V cips tv 26000
11.996 V DugunTV 26000
11.996 V KanalC 26000
11.996 V KARE 26000
11.996 V Mavi Karadeniz 26000
11.996 V ORDU TV 26000
11.996 V TShop 26000
11.996 V TurkDugun 26000
11.996 V TurkShop 26000
11.996 V TurkShow 26000
11.996 V ASK FM 26000
11.996 V KUPE FM 26000
11.996 V Mujde Akdeniz 26000
11.996 V Mujde Ege 26000
11.996 V Ozgur Radyo Ankara 26000
11.996 V RADYO 26000
11.996 V RADYO SAHIN 26000
11.996 V Radyo Spor 26000
11.996 V Radyo TATLISES 26000
11.996 V Radyo Time 26000
11.996 V Radyo Vatan 26000
12.126 V HABER 7 6665
12.126 V KANAL7 INT 6665
12.126 V tvt 6665
12.126 V ; 6665
12.126 V ISTANBULUN SESI 6665
12.126 V RADYO M-R 7 6665
12.134 V BUSINESS CH 3333
12.141 V EAS PROMO 4442
12.141 V NUMBER ONE TV TES 4442
12.141 V TURKSAT TEST 2 4442
12.141 V NUMBER ONE FM 4442
12.141 V RADYO KLAS 4442
12.141 V RADYO MYDONOSE 4442
12.506 V Babe TV 2222
12.506 V Gunizi TV 2222
12.506 V Private TV 2222

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12.513 H Kanal A 4444
12.513 H Test 4444
12.518 H SHOPPING 3125
12.518 H Shopping TV 3125
12.524 H SKYTURK 4250
12.530 H SHOW TURK 4444
12.535 H HALK TV 2962
12.540 H EUROTURK 3125
12.590 V LIFE CHANNEL 3002
12.595 V Rustavi 2 2500
12.605 V Georgian TV 2962
12.605 V GEORGIAN TV 2962
12.608 V IMEDI TV 3700
12.614 V CLUB 3003
12.614 V EUROPE 3003
12.614 V GEORGIAN TV 3003
12.614 V RED 3003
12.614 V SHE 3003
12.620 V ARKADAS TV 6161
12.620 V CANLI SHOBET TV 6161
12.620 V CEP MELODI-SMS TV 6161
12.620 V God 6161
12.620 V GOD UK 6161
12.620 V Satmedia tv 6161
12.620 V VIC TV Promo 6161
12.620 V VICTV Promo 6161
12.620 V Cross Rhythms 6161
12.633 V FEED 4800
12.633 V atv 4800
12.633 V . 4800
12.633 V Marmara Radyo 4800
12.633 V RADIO CITY 4800
12.638 V TURK C 2300
12.649 V test 6666
12.652 H FANTASY 22500
12.652 H LOCA1 22500
12.652 H LOCA2 22500
12.652 H LULİ 22500
12.652 H D COCUK 22500
12.652 H D MAX 22500
12.652 H D PLUS 22500
12.652 H D SHOPPING 22500
12.652 H D SINEMAX 22500
12.652 H D SPOR 22500
12.652 H D YESILCAM 22500
12.652 H D YEŞİLÇAM 22500
12.652 H D ÇOCUK 22500
12.652 H EMLAK TV 22500
12.652 H HABERTURK 22500
12.652 H KRAL TV 22500
12.652 H MOVIE SMART 2 22500
12.652 H T.A.Y. TV 22500
12.652 H test2 22500
12.652 H KRAL FM 22500
12.652 H METRO FM 22500
12.652 H RADYO HABERTURK 22500
12.652 H SUPER FM 22500
12.652 H LOCA PORTAL 22500
12.665 V teknoloji tv 2344
12.665 V Teknoloji TV 2344
12.680 H Cine5 8888
12.680 H Gala 8888
12.680 H Halay TV 8888
12.680 H Supersport 8888
12.680 H Viva 8888
12.680 H Radyo Nostalji 8888
12.680 H Radyo Viva 8888
12.680 H Radyo5 8888
12.680 H Show Radyo 8888
12.688 H Kanal 6 2400
12.692 H AZAD AZERBAYCAN 2800
12.695 H Nur TV 2285
12.695 H Nur Radio 2285
12.699 H Ege TV 2400
12.702 H ULUSAL TV 2285
12.702 H YON FM 2285
12.706 H Ey TV Antalya 2400
12.706 H Ey FM Antalya 2400
12.715 V NTV Int 2965
12.719 V Olay TV 2950
12.733 V EAS_PROMO 3333

INTELSAT 12
45.0 East
INT012IN

11.468 V Cartoon Network 27680
11.468 V Derana 27680
11.468 V Eye 27680
11.468 V God TV 27680
●11.468 V Islam channel 27680
11.468 V ITN 27680
11.468 V MTV 27680
●11.468 V NEO Sports Plus 27680
11.468 V Nickelodeon 27680
11.468 V POGO 27680
11.468 V Rupavahini 27680
11.468 V Star Cricket 27680
●11.468 V Swarnawahini 27680
11.468 V TNL 27680
11.468 V VH1 27680
11.468 V Zee Music 27680
11.468 V Zee Sports 27680
11.468 V The Buddhist 27680
●11.509 V CNBC-ISLAMABAD 1955
●11.512 V CNBC-LAHORE 1955
●11.562 V ISB 2170
11.592 V Al Jazeera 27680
11.592 V AXN 27680
11.592 V BBC World 27680
11.592 V CineMax 27680
11.592 V CNN 27680
11.592 V Hallmark 27680
11.592 V HBO Family 27680
11.592 V HBO Hits 27680
11.592 V HBO Signature 27680
11.592 V NDTV 27680
11.592 V Set MAX 27680
11.592 V Star Movies 27680
11.592 V Star Vijay 27680
11.592 V Star World 27680
●11.592 V TBO 27680
11.592 V Zee Cinema 27680
11.592 V Zee Studio 27680
11.592 V Code Download 27680
●11.673 V Animal Planet 27680
●11.673 V AustraliaNetwork 27680
●11.673 V CITI Hits 27680
●11.673 V Discovery 27680
●11.673 V ESPN 27680
●11.673 V History 27680
●11.673 V NatGEO 27680
●11.673 V NatGEO Adventure 27680
●11.673 V Neo Sports 27680
●11.673 V SET 27680
●11.673 V Star Plus 27680
●11.673 V Star Sports 27680
●11.673 V Ten Sports 27680
●11.673 V Travel & Living 27680
11.673 V Zee Cafe 27680
●11.673 V Zee Trendz 27680
●11.673 V Zee TV 27680
11.673 V Zone Reality 27680
●12.707 V Control 3618
●12.707 V Data 3618
●12.707 V PCR 3618

INT012KE

●11.550 V Bridge TV 27500
●11.550 V Feniks-Art 27500
●11.550 V Sarafan 27500
●11.590 V Discovery HD 30000
●11.590 V Discovery HD Polish 30000
●11.590 V Disc Iberia Por 30000
●11.590 V Disc Iberia Sp 30000
●11.590 V Disc Iberia Sp Por 30000
●11.590 V Discovery Historia 30000
●11.590 V Discovery Hungary 30000
●11.590 V Discovery Russia 30000

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

INT012SA

Freq GHz	Pol	Channel Name	Symbol rate
● 11.452	H	TELEMEDIA MCR	3254
11.461	H	Skytrain	5926
11.461	H	Spare	5926
11.470	H	URBAN_BREW 2_	2894
● 11.483	H	TADIRAN SCOPUS	3100

C-Band: YAMAL 202
49.0 East

YAM202CB

Freq GHz	Pol	Channel Name	Symbol rate
3.597	L	TV ZVEZDA + 2	2895
3.706	L	PLANETA SPORT	15550
● 3.706	L	rentv0	15550
● 3.706	L	rentv2	15550
3.706	L	RIK	15550
3.706	L	RTR PLANETA	15550
● 3.740	L	TEST	38000
● 3.740	L	Rusiya Al-Yaum	38000
● 3.740	L	Russia Today	38000
3.740	L	D1-1	38000
3.740	L	D1-10	38000
3.740	L	D1-11	38000
3.740	L	D1-12	38000
3.740	L	D1-13	38000
3.740	L	D1-14	38000
3.740	L	D1-15	38000
3.740	L	D1-16	38000
3.740	L	D1-2	38000
3.740	L	D1-3	38000
3.740	L	D1-4	38000
3.740	L	D1-5	38000
3.740	L	D1-6	38000
3.740	L	D1-7	38000
3.740	L	D1-8	38000
3.740	L	D1-9	38000
3.791	L	Novy Vek	1800
3.940	L	RTR+Pomor'e	7500
3.940	L	TVS_Severnaya Dvina	7500
3.945	L	JAYA TV	1555
3.948	L	PRIME SPORTS	2220
3.953	L	TVLanka	4500
3.953	L	TVLanka 2	4500
● 3.953	L	TVLanka 7	4500
3.953	L	TVL Radio	4500
3.961	L	RTR+REGION TYUMEN	8570
3.961	L	TYUMEN TIME	8570
3.970	L	GTRK Yamal	4275
3.977	L	TYMEN-YGORIA TV	4285
3.982	L	TV KOMI	4285
4.068	L	Feed (FEED-1)	29755
4.068	L	Feed (ts)	29755

EXPRESS AM22/SESAT 2
53.1 East

EXPA22K2

Freq GHz	Pol	Channel Name	Symbol rate
● 10.974	H	5 Channel	8150
10.974	H	Kanal 5	8150
10.974	H	DVB-RCS Data	8150
11.022	H	SGU Internet	8888
11.031	H	CTPAHA COBETOB	3750
11.044	V	1-Muz BY	44950
11.044	V	CTC+0	44950
11.044	V	CTC+2	44950
● 11.044	V	Domashny+0	44950
● 11.044	V	Domashny+2	44950
11.044	V	FNS	44950
● 11.044	V	MuzTV+Love	44950
11.044	V	World Music Channel	44950
11.044	V	Love Radio	44950
● 11.044	V	Radio CH50	44950
● 11.044	V	Radio CH51	44950
● 11.044	V	Radio CH52	44950
● 11.044	V	Radio CH53	44950
11.044	V	Radio Max	44950
11.044	V	DATA CTC	44950
● 11.095	V	NTN	6400
11.095	V	UTR	6400
11.095	V	RUI2	6400
11.095	V	UR1	6400
11.124	V	Data services	7590
11.161	V	MINSK TV	5785
11.161	V	STV	5785
11.161	V	Belarus-TV	5785
● 11.616	V	Allibiya Satellite C	2892
12.631	V	ASHUR TV	2530
12.632	H	Al Salam	2170
12.637	H	Al Masar	2532
12.639	V	AL RAI 1B	2892
12.639	V	TV	2892
12.652	H	Al-Mosullia	2532
12.664	V	ART-Feed	30000
12.664	V	CH1-SCR	30000
12.664	V	CH2-SCR	30000
12.664	V	ERTU	30000
12.664	V	Feed-2	30000
12.664	V	JSC-Feed	30000
12.664	V	OrbitLine1	30000
12.664	V	OrbitLine2	30000
12.664	V	OrbitLine3	30000
12.664	V	Al-Majd Feed	30000
12.664	V	CH5	30000
12.664	V	CH8	30000
12.664	V	ESCA	30000
12.664	V	Feed-4	30000
12.664	V	N DRAMA	30000
12.664	V	HolyQuran Radio	30000
12.741	H	ERTU	7086
● 12.741	H	Service 2	7086
12.741	H	Ch-4	7086

C-Band: INSAT 3E
55.0 East

INS03ECI

Freq GHz	Pol	Channel Name	Symbol rate
3.970	V	Test	4250
4.000	V	DDK-HISAR	4250

BONUM 1
56.0 East

BON001KU

Freq GHz	Pol	Channel Name	Symbol rate
12.245	R	NTV Plus	27500
12.303	L	Ermak	27500
12.322	R	NTV Plus	27500
12.456	L	Serebryany Dozhd	5000
12.476	R	NTV Plus	27500

NSS 703
57.0 East

NSS703EH

Freq GHz	Pol	Channel Name	Symbol rate
3.751	R	SUN TV	13500
3.751	R	test	13500
3.751	R	UDAYA II	13500
3.792	R	ZEE TELUGU	3333
3.873	R	JESUS-TV	2963
3.981	R	ADITHYA TV	28000
3.981	R	GCV	28000
3.981	R	GEMINI TV	28000
3.981	R	K TV	28000
3.981	R	SUN MUSIC	28000
3.981	R	SURJO	28000
3.981	R	TEJA NEWS	28000
3.981	R	TEJA TV	28000
3.981	R	UDAYA NEWS	28000
3.981	R	UDAYA TV	28000
3.981	R	USHE TV	28000
3.981	R	KIRAN TV	28000
3.981	R	SUN NEWS	28000
3.981	R	SUN TV	28000
3.981	R	SURYA TV	28000
3.981	R	SURYAN FM	28000

NSS703EU

Freq GHz	Pol	Channel Name	Symbol rate
11.507	V	B-SKY-B	2917
12.551	V	bTV	9404
12.551	V	eUrotic ASTRA	9404
12.551	V	VTK	9404
12.551	V	BRAVO Radio	9404

NSS703GL

Freq GHz	Pol	Channel Name	Symbol rate
4.055	R	AETN TV 340	25994
4.055	R	Al Hurra TV 150	25994
4.055	R	DEFAULT	25994
4.055	R	Default - Ch #1	25994
4.055	R	IBB OS Download 8	25994
4.055	R	IBB OS Download 9	25994
4.055	R	VOA IOR TV 420	25994
4.055	R	Farda Radio 448	25994
4.055	R	Farda Radio 456	25994
4.055	R	IBB VOA RFE/RL Ra	25994
4.055	R	IBB VOA RFE/RL Ra	25994
4.055	R	IBB VOA RFE/RL Ra	25994
4.055	R	IBB VOA RFE/RL Ra	25994
4.055	R	IBB VOA RFE/RL Ra	25994
4.055	R	IBB VOA RFE/RL Ra	25994
4.055	R	IBB VOA RFE/RL Ra	25994
4.055	R	IBB VOA RFE/RL Ra	25994
4.055	R	RFA Radio 436	25994
4.055	R	RFA/VOA Radio 437	25994
4.055	R	Sawa Djibouti 421	25994
4.055	R	Sawa Egypt Radio 452	25994
4.055	R	Sawa Egypt/Gulf Radi	25994
4.055	R	Sawa Gulf Radio 453	25994
4.055	R	Sawa Gulf/VOA Djib	25994
4.055	R	Sawa Iraq / Iraq N-S	25994
4.055	R	Sawa Iraq Radio 451	25994
4.055	R	Sawa Lebanon Radio 4	25994
4.055	R	Sawa Levant Radio 45	25994
4.055	R	Sawa N. Africa Radio	25994
4.055	R	Sawa Sudan Radio 455	25994
4.055	R	VOA Djibouti/Farda	25994
4.055	R	VOA/Sawa Iraq Radi	25994
4.055	R	VOA/Sawa Lebanon R	25994
4.055	R	VOA/Sawa Levant Ra	25994
4.066	L		6600
4.066	L	MPEG TEST SERVICE	6600

NSS703NW

Freq GHz	Pol	Channel Name	Symbol rate
3.910	L	TV	2894
3.932	L	BTV	2894

INTELSAT 904
60.0 East

INT904K1

Freq GHz	Pol	Channel Name	Symbol rate
11.093	V	Nika TV	3980
11.093	V	Miliceiskaya Volna	3980
11.491	V	RTV Kuban	5787
11.491	V	Mayak Kubani	5787
11.491	V	Radio Roks-Region	5787
11.514	V	test	7600
11.529	V	Belarus TV	2893
11.554	V	Data service	27500

INT904K2

Freq GHz	Pol	Channel Name	Symbol rate
11.555	H	Animal Planet Europe	29270
11.555	H	BBC World	29270
11.555	H	Discovery Travel & A	29270
11.555	H	El Arna	29270
11.555	H	Fox Kids Russia & Tu	29270
11.555	H	Hallmark Channel (Ru	29270
11.555	H	KTK TV	29270
11.555	H	MTV Russia	29270
11.555	H	NTK	29270
11.555	H	NTV	29270
11.555	H	Rakhat TV	29270
11.555	H	TV XXI	29270
11.555	H	Europa Plus Kazakhst	29270
11.595	H	Discovery Channel Ru	29270
11.595	H	EuroNews	29270
11.595	H	Eurosport Russia	29270
11.595	H	Kazakhstan TV	29270
11.595	H	Khabar TV	29270
11.595	H	MCM Europe	29270
11.595	H	ORT Kazakhstan	29270
11.595	H	Telekanal Rossiya	29270
11.595	H	Kazakhstan RV	29270
11.595	H	Russkoe Radio - Asia	29270

INT904WH

Freq GHz	Pol	Channel Name	Symbol rate
3.655	R	ETC ALPHA PUNJABI	27500
● 3.655	R	ETC Alpha Punjabi	27500
3.655	R	ZEE CINEMA - UK	27500
● 3.655	R	ZEE CINEMA- USA	27500
3.655	R	ZEE GUJRATI - UK	27500
3.655	R	ZEE GUJRATI - USA	27500
● 3.655	R	ZEE MUSIC- UK	27500
3.655	R	ZEE RUSSIA	27500
3.655	R	ZEE TV - South Afr	27500
3.655	R	ZEE TV - USA	27500
● 3.655	R	ZEE TV- UK	27500

INTELSAT 902
62.0 East

INT902CG

Freq GHz	Pol	Channel Name	Symbol rate
4.180	L	Reuters TV	31530
4.180	L	Sky News Intl	31530
4.180	L	ABC	31530
4.180	L	Arqiva OU ch 2	31530
4.180	L	Arqiva OU ch1	31530
4.180	L	Intelsat 2	31530
4.180	L	Taiwan Radio	31530

INT902K1

Freq GHz	Pol	Channel Name	Symbol rate
10.973	V	Alantefaza TV	27500
10.973	V	IRIB TV1	27500
10.973	V	IRIB TV2	27500
10.973	V	IRIB TV3	27500
10.973	V	IRIB TV4	27500
10.973	V	IRIB TV5	27500
10.973	V	Jaam-e-Jam Internati	27500
10.973	V	IRIB Radio 1	27500
10.973	V	Radio Farhang	27500
10.973	V	Radio Farhang Varzes	27500
10.973	V	Radio Javan	27500
10.973	V	Radio Maaref	27500
10.973	V	Radio Payam	27500
10.973	V	Radio Quran	27500
10.973	V	Radio Quran Maaref	27500
10.973	V	Radio Salamt	27500
10.973	V	Radio Sarasari	27500
10.973	V	Radio Sport	27500
10.973	V	Sedaye Ashna	27500
11.043	V	Khozestan TV	3600
11.068	V	Mazandaran TV	3610
11.073	V	Azarbayjan TV	3600
11.078	V	Khorasan TV	3610
11.083	V	Esfahan TV	3600
11.088	V	Yazd TV	3610
11.093	V	Kerman TV	3600
11.103	V	Fars	10000
11.103	V	Fars TV	10000
11.103	V	feed	10000
11.103	V	khalij fars(T)	10000

INT902K2

Freq GHz	Pol	Channel Name	Symbol rate
11.106	H	A1 PLUS	5425
11.106	H	ORBIS	5425
11.106	H	SUTEL	5425
● 11.148	H	KISS TV	2710
11.148	H	KissTV	2710
11.152	H	Prima TV	3333
11.175	H	KANAL-D	3333
11.186	H	AXA TV	2046
11.189	H	TELESHOP	2221

INT902SE

Freq GHz	Pol	Channel Name	Symbol rate
3.814	L	NTV (Kenya)	3852
3.814	L	Nation Radio	3852
3.837	L	Citizen TV	2466
3.927	L	M-Net	
3.967	L	E.TV	9326
3.967	L	Akermans	9326
3.967	L	Good Hope FM	9326
3.996	L	BTV 2	20000
3.996	L	BTV 3	20000
3.996	L	SABC 1	20000
3.996	L	SABC 2	20000
3.996	L	SABC 3	20000
3.996	L	BTV 1	20000

INTELSAT 906
64.0 East

INT906CG

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

INT906EH

Freq GHz	Pol	Channel Name	Symbol rate
3.884	L	Star TV	3271
3.884	L	Kiss FM	3271
3.884	L	Radio Free Africa	3271
3.891	L	TVT	4445

INT906WH

Freq GHz	Pol	Channel Name	Symbol rate
3.642	R	Ch.10	13330
3.642	R	EATV	13330
3.642	R	ITV1	13330
3.642	R	PULSE	13330
3.653	R	TVM MZ	5632
3.721	R	MOI	4882
3.968	R	CHILD	10162
3.968	R	JCTV	10162
3.968	R	TBN	10162
3.968	R	TCC	10162

C-Band: INTELSAT 704
66.0 East

INT704EH

Freq GHz	Pol	Channel Name	Symbol rate
4.055	R	CFI ASIE PRO	27500
4.055	R	TV5 ASIE	27500
4.055	R	CFI Audio 1	27500
4.055	R	RFI AS Francais	27500
4.055	R	RFI AS Langues	27500
4.055	R	RFI Cambodge	27500
4.055	R	RFI China	27500
4.055	R	RFI Francais	27500
4.055	R	RFI French-Eng	27500
4.055	R	RFI Kaboul	27500
4.055	R	RFI Langues1	27500
4.055	R	RFI Langues2	27500
4.055	R	RFI Musique	27500
4.055	R	RFI Palapa	27500
4.055	R	RFI Russia	27500
4.055	R	RFI WS Ouest	27500
4.055	R	RFI WS Sud	27500
4.055	R	DASSAULT-IS704	27500
4.055	R	KATELCO-ALA	27500
4.055	R	KATELCO-ASTA	27500

INTELSAT 7,10
68.5 East

INT007SA

Freq GHz	Pol	Channel Name	Symbol rate
10.970	V	AfMag	30000
10.970	V	CNN	30000
10.970	V	CSN	30000
10.970	V	EuroN	30000
10.970	V	Home	30000
10.970	V	KykNT	30000
10.970	V	Rhema	30000
10.970	V	SkyN	30000
10.970	V	SS6	30000
10.970	V	SS7	30000
10.970	V	SSupd	30000
10.970	V	ZeeTV	30000
10.970	V	JAC	30000
10.970	V	Ksmos	30000
10.970	V	Verit	30000
10.970	V	Decoder Care	30000
10.970	V	INT2	30000
10.970	V	iSZone	30000
10.970	V	SSVirtual	30000
11.010	H	3SAT	30000
11.010	H	ANMAX	30000
11.010	H	ARD	30000
11.010	V	Astro	30000
11.010	H	B4U	30000
11.010	V	BBC F	30000
11.010	H	DW	30000
11.010	H	ERT	30000
11.010	V	FIN24	30000
11.010	H	FTV	30000
● 11.010	V	Fut	30000
11.010	V	Games	30000
11.010	H	IQRAA	30000
11.010	V	Learn	30000
11.010	V	MK	30000
11.010	V	NEW24	30000
11.010	H	PRO7	30000
11.010	H	RAI	30000
11.010	H	RTL	30000
11.010	H	RTPi	30000
11.010	V	SABC1	30000
11.010	V	SABC2	30000
11.010	V	SABC3	30000
11.010	H	SAT1	30000
11.010	H	ZDF	30000
11.010	V	ZNBC	30000
11.010	V	adhoc2	30000
● 11.010	V	Even2	30000
11.010	V	Fut3-	30000
11.010	V	Guide	30000
11.010	V	iA virtual 8	30000
11.010	V	iA Virtual 9	30000
11.010	V	MNET Extra	30000
11.010	V	Regis	30000
11.010	H	BAY1	30000
11.010	H	BAY3	30000
11.010	V	C FM	30000
11.010	V	Ch 73	30000
11.010	H	DW-R	30000
11.010	V	-	30000
11.010	V	adhoc1	30000
11.010	V	Extended EPG	30000
11.010	V	iA Virtual 10	30000
11.010	V	iA Virtual 12	30000
11.010	V	iA Vitual 6	30000
11.010	H	IP_Martl	30000
11.010	V	Theme Search	30000
● 11.010	H	TouchPids19	30000
11.050	V	BBC P	30000
11.050	V	Boom	30000
11.050	V	Ch2	30000
● 11.050	V	Event	30000
11.050	V	Fut	30000
11.050	V	go	30000
11.050	V	iA Virtual 1	30000
11.050	V	KAIDy	30000
11.050	V	NaGeo	30000
11.050	V	NBC	30000
11.050	V	SumTV	30000
11.050	V	TV5	30000
11.050	V	ZnRea	30000
11.050	V	THC	30000
11.050	V	100FM	30000
11.050	V	702	30000
11.050	V	ASAT1	30000
11.050	V	CII	30000
11.050	V	CRI	30000
11.050	V	HEAT	30000
11.050	V	Hyper	30000
11.050	V	Im	30000
11.050	V	VOA	30000
11.050	V	Wave	30000
11.050	V	WRN	30000
11.050	V	BR1	30000
11.050	V	BR2	30000
11.050	V	TWR	30000
11.050	V	IP_TV	30000
11.050	V	ORB1	30000
11.050	V	ORB2	30000
● 11.077	H	Learn	14876
● 11.077	H	Health	14876
● 11.087	V	BBC W	30000
● 11.087	V	Bloom	30000
● 11.087	V	CN	30000
● 11.087	V	Dsny	30000
● 11.087	V	ESPN	30000
● 11.087	V	KTV	30000
● 11.087	V	MTV	30000
● 11.087	V	MTV B	30000
● 11.087	V	SET	30000
● 11.087	V	Sun	30000
● 11.087	V	TCM	30000
● 11.087	V	Travl	30000
● 11.087	V	VH1	30000
● 11.087	V	BBC1	30000
● 11.087	V	BBC2	30000
● 11.087	V	BBC3	30000
● 11.087	V	Fut12	30000
● 11.087	V	Fut15	30000
● 11.087	V	TouchPids4	30000
11.090	V	BBC W	30000
11.090	V	Bloom	30000
11.090	V	CN	30000
11.090	V	Dsny	30000
11.090	V	ESPN	30000
11.090	V	KTV	30000
11.090	V	MTV	30000
11.090	V	MTV B	30000
● 11.090	V	SET	30000
11.090	V	Sun	30000
11.090	V	TCM	30000
11.090	V	Travl	30000
11.090	V	VH1	30000
11.090	V	BBC1	30000
11.090	V	BBC2	30000
11.090	V	BBC3	30000
11.090	V	Fut12	30000
11.090	V	Fut15	30000
● 11.090	V	TouchPids4	30000
● 11.096	H	Cartoon Network	5400
● 11.096	H	Channel O	5400
● 11.096	H	CNN	5400
● 11.096	H	E! Entertainment	5400
● 11.096	H	ESG CBMS	5400
● 11.096	H	ESG Sagem	5400
● 11.096	H	Int Table	5400
● 11.096	H	MagicWorld	5400
● 11.096	H	MTV	5400
● 11.096	H	Nat Geo	5400
● 11.096	H	SABC 1	5400
● 11.096	H	SABC 2	5400
● 11.096	H	Supersport 1	5400
● 11.096	H	SuperSport 2	5400
● 11.096	H	SuperSport 3	5400
11.100	H	Animal Planet	5400
● 11.100	H	Cartoon Network	5400
11.100	H	CBMS ESG	5400
● 11.100	H	Channel O	5400
● 11.100	H	CNN	5400
● 11.100	H	E! Entertainment	5400
11.100	H	ESG CBMS	5400
11.100	H	ESG Sagem	5400
11.100	H	FashionTV	5400
11.100	H	Int Table	5400
● 11.100	H	MagicWorld	5400
● 11.100	H	MTV	5400
● 11.100	H	Nat Geo	5400
11.100	H	Network	5400
11.100	H	Pisys EMM	5400
● 11.100	H	SABC 1	5400
● 11.100	H	SABC 2	5400
11.100	H	Summit TV	5400
● 11.100	H	Supersport 1	5400
● 11.100	H	SuperSport 2	5400
● 11.100	H	SuperSport 3	5400
11.170	V	SEN1	26660
11.170	V	SEN2	26660
11.170	V	SEN3	26660
11.170	V	SEN4	26660
11.170	V	SEN5	26660
11.170	V	SEN6	26660
11.170	V	FusFM	26660
11.170	V	MetFM	26660
11.170	V	SPUR	26660
11.170	V	Star2	26660
11.170	V	Star3	26660
11.170	V	Ack	26660
● 11.170	V	AdSa1	26660
11.170	V	AdSa2	26660
11.170	V	AdSa3	26660
● 11.170	V	AdSa4	26660
● 11.170	V	AdSa5	26660
11.170	V	Clicks	26660
11.170	V	FreshFM	26660
11.170	V	MRAIL	26660
11.170	V	NCRF	26660
11.170	V	ORIO1	26660
11.170	V	ORIO2	26660
11.170	V	ORIO3	26660
11.170	V	ORIO4	26660
11.170	V	ORIO5	26660
11.170	V	ORIO6	26660
11.170	V	PEP	26660
11.170	V	PnP_G	26660
11.170	V	Red1	26660
11.170	V	Red2	26660
11.170	V	SFM	26660
11.170	V	Spare2	26660
● 11.170	V	Spare4	26660
11.170	V	Star1	26660
11.170	V	Test1	26660
11.170	V	Test2	26660
11.170	V	Test3	26660
11.170	V	Test4	26660
11.170	V	Test5	26660
11.170	V	AIR03	26660
11.170	V	InfoSatA12	26660
11.170	V	UEC_DOWN2	26660
● 11.589	V	ChO	27500
● 11.589	V	Disc	27500
● 11.589	V	HallM	27500
● 11.589	V	M-Net	27500
● 11.589	V	MM1	27500
● 11.589	V	SABCA	27500
● 11.589	V	Serie	27500
● 11.589	V	SS1	27500
● 11.589	V	SS2	27500
● 11.589	V	SS5	27500
● 11.589	V	SSmax	27500
● 11.589	V	ASAT2	27500
● 11.589	V	Jhank	27500
● 11.589	V	Kaya	27500
● 11.589	V	KL	27500
● 11.589	V	RAI R	27500
● 11.589	V	TAR	27500
● 11.589	V	YFM	27500
● 11.589	V	Lotto App	27500
● 11.589	V	VRFY	27500
11.594	V	ChO	27500
11.594	V	Disc	27500
11.594	V	HallM	27500
11.594	V	M-Net	27500
11.594	V	MM1	27500
11.594	V	SABCA	27500
11.594	V	Serie	27500
11.594	V	SS1	27500
11.594	V	SS2	27500
11.594	V	SS5	27500
11.594	V	SSmax	27500
11.594	V	ASAT2	27500
11.594	V	Jhank	27500
11.594	V	Kaya	27500
11.594	V	KL	27500
11.594	V	RAI R	27500
11.594	V	TAR	27500
11.594	V	YFM	27500
11.594	V	Lotto App	27500
11.594	V	VRFY	27500
● 11.627	V	BOTSWANA TELEVISI	15000
11.674	V	F24	26653
11.674	V	Feed1	26653
11.674	V	SABC1	26653
11.674	V	SABC2	26653
11.674	V	SABC3	26653
11.674	V	GodCh	26653
11.674	V	ITV	26653
11.674	V	5FM	26653
11.674	V	Cii	26653
11.674	V	ClassicFM	26653
11.674	V	DWRadio	26653
11.674	V	Future1	26653
11.674	V	Future2	26653
11.674	V	Future3	26653
11.674	V	GHFM	26653
11.674	V	Ikwekwezi	26653
11.674	V	Impac	26653
11.674	V	Islam	26653
11.674	V	Lesedi	26653
11.674	V	Ligwalagwala	26653
11.674	V	Lotus	26653
11.674	V	Metro	26653
11.674	V	MM	26653
11.674	V	Motsweding	26653
11.674	V	Munghana	26653
11.674	V	Phalaphala	26653
11.674	V	Pulpit	26653
11.674	V	R2000	26653
11.674	V	Rad1	26653
11.674	V	RSG	26653
11.674	V	SAFM	26653
11.674	V	SERON	26653
11.674	V	Spare3	26653
11.674	V	Thobela	26653
11.674	V	Ukhozi	26653
11.674	V	Umhlobo	26653
11.674	V	Guide	26653
11.674	V	INFOSAT_B6	26653
11.674	V	Radix_Down	26653

INT010AV

Freq GHz	Pol	Channel Name	Symbol rate
12.575	V	Mana 2	3378
12.575	V	Mana Africa	3378
12.684	H	3ABN	26652
● 12.684	H	Adonai	26652
12.684	H	adonai	26652
● 12.684	H	Apostolic Oneness	26652
12.684	H	Day*	26652
12.684	H	DBN	26652
12.684	H	Dvine	26652
12.684	H	Emmanuel TV	26652
12.684	H	iNsight	26652
● 12.684	H	John 3v16	26652
12.684	H	LoveWorld	26652
12.684	H	Manna	26652
12.684	H	Press TV	26652
● 12.684	H	Supreme Master	26652
12.684	H	Test Channel	26652
12.684	H	TKC	26652
12.684	H	VwAfr	26652
● 12.684	H	Divine Radio	26652
12.684	H	Divine Truth Radio	26652
● 12.722	H	African Movie/Ftv	26657
12.722	H	AIT	26657
12.722	H	Baby TV	26657
12.722	H	BBCW	26657
● 12.722	H	Fashion TV	26657
12.722	H	MCM TOP	26657
12.722	H	MGM	26657
12.722	H	NatGeo Adventure	26657
12.722	H	Setanta	26657
12.722	H	Trace TV	26657
12.722	V	CNBC Africa	26656
12.722	V	CTV	26656
12.722	V	e.tv	26656
12.722	V	G	26656
12.722	V	HOPE	26656
12.722	V	Ps91	26656
12.722	V	SANI	26656
12.722	V	TCT	26656
12.722	V	ChAfr	26656
12.722	V	Future10	26656
12.722	V	Future11	26656
12.722	V	Future12	26656
12.722	V	Future7	26656
12.722	V	Future8	26656
12.722	V	Future9	26656
12.722	V	RPTA	26656
12.722	V	Spare5	26656
12.722	V	TWR	26656
12.722	V	INFO_GWY	26656
12.722	V	UEC_Down	26656

INT010SH

Freq GHz	Pol	Channel Name	Symbol rate
11.038	H	fashiontv Arabia	8888
11.038	H	JARAS TV	8888
11.038	H	Konouz-Tv	8888
11.038	H	Shahrazad-Tv	8888

Freq GHz	Pol	Channel Name	Symbol rate
● 12.522	H	Fox Sports	26657
● 12.522	H	Teletoon	26657
● 12.522	H	Zee Cinema	26657
● 12.522	H	France 24	26657
● 12.522	H	NTA+	26657

C-Band: INTELSAT 7,10
68.6 East

INT007CV

Freq GHz	Pol	Channel Name	Symbol rate
3.510	V	Sin-Pakistan	3305
● 3.516	V	Hope Channel Intl	4445
● 3.516	V	Hope Intl Alt Lang1	4445
● 3.516	V	Hope Intl Alt Lang2	4445
● 3.516	V	Lifetalk Radio	4445
3.664	V	Aapna Des	14070
3.664	V	DBN	14070
3.664	V	DM Digital World	14070
3.664	V	DM Islam TV	14070
3.664	V	Love World	14070
● 3.664	V	Noor TV	14070
3.664	V	View Asia	14070
● 4.011	V	PTV	2200
● 4.160	H	EXPRESS NEWS	3618

INT010CH

Freq GHz	Pol	Channel Name	Symbol rate
3.745	H	Premium	16175
3.745	H	NTSC English	16175
3.745	H	NTSC Japanese	16175
3.745	H	PAL English	16175
3.745	H	PAL Japanese	16175
3.745	H	Audio for Radio	16175
3.765	V	FCN	2940
3.768	H	ZEE SPORTS	6500
3.768	H	ZEE SPORTS USA	6500
3.775	H	HUM TV	3300
3.777	V	AASTHA.INTERNATIO	2940
3.781	H	ATRi - English	3000
3.811	H	CNBC_Pakistan	3313
3.836	H	Aajtak	19850
3.836	H	Aajtak Tez	19850
3.836	H	Delhi Aajtak	19850
3.836	H	Headlines Today	19850
3.836	H	INT AAJTAK	19850
3.836	H	INT HEADLINES TOD	19850
● 3.836	H	S10	19850
3.836	H	S7	19850
3.836	H	S8	19850
3.836	H	S9	19850
3.863	H	ARY Digital UK	19850
3.863	H	ARY Digital USA	19850
3.863	H	ARY Middle East	19850
● 3.863	H	ARY ONE World	19850
3.863	H	HBO ARY	19850
3.863	H	Nick ARY	19850
3.863	H	ARY Asia	19850
3.863	H	ARY One World	19850
3.863	H	ARY Qtv	19850
3.863	H	The Musik	19850
3.927	H	A copy of HBO India	26500
3.927	H	A copy of MAX Intern	26500
3.927	H	A copy of SET_Intern	26500
3.927	H	A copy of SETMAX	26500
3.927	H	Channel 10	26500
3.927	H	Download 200	26500
3.927	H	MAX International	26500
3.927	H	MAX_UK	26500
3.927	H	MIDDLE EAST	26500
3.927	H	PIX	26500
3.927	H	SABTV	26500
3.927	H	SET_Encrypted	26500
3.927	H	SET_Encrypted Finger	26500
3.927	H	SET_International	26500
3.927	H	SETMAX	26500
3.927	H	TRAI	26500
3.974	H	Cartoon Hinde	19500
3.974	H	Cartoon India	19500
3.974	H	Cartoon India ENGL	19500
3.974	H	Cartoon India HIND	19500
3.974	H	Cartoon India TAMI	19500
3.974	H	Cartoon India TELE	19500
3.974	H	Cartoon Pakistan	19500
3.974	H	Cartoon Pas10	19500
3.974	H	Cartoon Tamil	19500
3.974	H	CNN India	19500
3.974	H	HBO India	19500
3.974	H	Pogo	19500
4.034	H	MTV India	20500
4.034	H	MTV Indo	20500
4.034	H	MTV Mandarin	20500
4.034	H	MTVNA 1	20500
4.034	H	Nick India	20500
4.034	H	VH1 India	20500
4.064	H	B4U Movies	19850
4.064	H	Discovery	19850
4.064	H	SIS	19850
4.064	H	Al Jazeera	19850
4.064	H	B4U Music	19850
4.064	H	E!	19850
4.064	H	EWTN	19850
4.064	H	BBC WS Radio	19850
4.064	H	EWTN Radio	19850
4.064	H	Voice of Tibet	19850
4.064	H	WRN AAP1	19850
4.064	H	WRN AAP2	19850
4.064	H	B4U Music	19850
4.087	H	CCTV 4	9370
4.087	H	CCTV 9	9370
4.087	H	CCTV E	9370
4.087	H	CCTV F	9370
4.103	H	IBN	5720
4.103	H	SAW	5720
● 4.117	H	SAMAA	3333
4.126	H	DAWN NEWS TV	3255
4.132	H	Ujala TV	2573
4.143	H	ROHI TV	3306
● 4.165	H	ROYAL TV	3255
4.185	H	24x7	20000
4.185	H	INDIA	20000
4.185	H	METRO	20000
4.185	H	PROFIT	20000
4.185	H	TEST1	20000
4.185	H	TEST2	20000
● 4.185	H	TEST3	20000

INT010CV

Freq GHz	Pol	Channel Name	Symbol rate
3.716	V	BBC F	20600
3.716	V	BBC P	20600
3.716	H	Cricket Plus	20765
3.716	H	Football Channel	20765
3.716	V	go	20600
3.716	H	Goal TV1	20765
3.716	H	Goal TV2	20765
3.716	V	KAIDy	20600
3.716	V	Learn	20600
3.716	V	MM1	20600
3.716	V	MNetE	20600
3.716	V	MNetW	20600
3.716	V	SS1	20600
3.716	V	TCM	20600
3.716	H	Ten SI	20765
3.716	H	Ten SP	20765
3.716	H	TSME	20765
3.716	V	70's	20600
3.716	V	AdulC	20600
3.716	V	Afric	20600
3.716	V	Beaut	20600
3.716	V	CampR	20600
3.716	V	ClasJ	20600
3.716	V	ClasR	20600
● 3.716	V	Contl	20600
3.716	V	Dance	20600
3.716	V	FrenC	20600
3.716	V	Fut	20600
3.716	V	Gospl	20600
3.716	V	Htrax	20600
3.716	V	LiteC	20600
3.716	V	R'nR	20600
● 3.716	V	Regga	20600
3.716	V	SmthJ	20600
3.716	V	SoftH	20600
3.716	V	Symph	20600
3.716	V	UBeat	20600
3.716	V	Urban	20600
3.716	V	Extended EPG	20600
3.716	V	Theme Search	20600
3.743	V	AfMag	20600
3.743	V	C+H	20600
3.743	V	ChO	20600
3.743	V	CNN	20600
● 3.743	V	Event	20600
3.743	V	RTPi	20600
3.743	V	SABCA	20600
3.743	V	SS2	20600
3.743	V	Ssupd	20600
3.743	V	Guide	20600
3.743	V	IPEMart	20600
3.743	V	VFW4	20600
3.743	V	VRFY	20600
● 3.783	V	CGNTV	2964
3.783	H	PEACE TV	3250
3.787	V	India - Australia Ne	3617
3.787	V	RAS2	3617
3.787	V	RAS3	3617
3.787	V	RAS4	3617
● 3.787	V	RAS5	3617
● 3.787	V	RAS6	3617
3.808	V	Rai Africa	10340
3.808	V	Reality TV	10340
3.808	V	God Asia	10340
● 3.808	V	Supreme Master TV	10340
3.808	V	Multilingue	10340
3.808	V	satelRadio	10340
3.836	V	actX	20600
3.836	V	BBC W	20600
3.836	V	CN	20600
3.836	V	Disc	20600
3.836	V	ESPN	20600
3.836	V	HallM	20600
3.836	V	MTV	20600
3.836	V	NaGeo	20600
3.836	V	SS7	20600
3.836	V	TV5	20600
3.836	V	BBC1	20600
3.836	V	BBC2	20600
3.836	V	BBC3	20600
3.836	V	CRI	20600
3.836	V	DMove	20600
3.836	V	Event	20600
3.836	V	RAI R	20600
3.836	V	RFI	20600
3.836	V	VOA	20600
3.836	V	WRN	20600
3.863	V	Bloom	20600
3.863	V	FTV	20600
3.863	V	MM2	20600
3.863	V	Rhema	20600
3.863	V	Serie	20600
3.863	V	SkyN	20600
3.863	V	SS3	20600
3.863	V	SS5	20600
3.863	V	SS6	20600
3.863	V	THC	20600
3.863	V	Travl	20600
3.863	V	ZnRea	20600
3.863	V	CII	20600
3.863	V	TAR	20600
3.863	V	IPEW4	20600
3.900	V	Nimbus 1	12300
3.900	V	Nimbus 2	12300
3.913	V	KBS WORLD	6510
3.913	V	NoName	6510
3.920	V	LA CADENA	3000
3.924	V	FETV	3003
3.974	V	APL India	19850
3.974	V	BBC World India	19850
3.974	V	DSC India - English	19850
3.974	V	DSC India - Hindi	19850
3.974	V	DTL India	19850
3.974	V	Encoder 4	19850
3.974	V	Encoder 6	19850
3.974	V	BBC Burmese	19850
4.033	V	DD Bharti	19565
4.033	V	DD India	19565
4.033	V	DD News	19565
4.033	V	DD Sports	19565
4.033	V	DDFeeds	19565
4.054	V	Arirang TV	4400
4.059	V	CTS	3530
4.064	V	Times Now	4610
● 4.069	V	HOPE CHANNEL INT	3005
4.075	V	Hungama Tv	4000
4.083	V	CRI Radio	3428
4.125	V	AAG INTL	19845
4.125	V	GEO ME.	19845
4.125	V	GEO UK	19845
4.125	V	GEO USA	19845
4.125	V	AAG	19845
4.125	V	GEO	19845
4.125	V	GEO NEWS	19845
4.125	V	GEO SUPER	19845
4.173	V	INDIA TV	3000
4.178	V	Zoom	4000
● 4.189	V	IMAGINE	12210
● 4.189	V	LIFEST	12210
4.189	V	TEST5	12210
4.189	V	TEST6	12210

EUTELSAT W5
70.5 East

EUT0W5S1

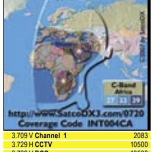
Freq GHz	Pol	Channel Name	Symbol rate
11.240	V	CH 450 VOA TV EUR	27500
● 11.240	V	CH 451 VOA/RFE/RL	27500
● 11.240	V	CH 452 VOA TV ASI	27500
● 11.240	V	CH 453 VOA/RFE/RL	27500
● 11.240	V	CH 454 VOA/RFE/RL	27500
● 11.240	V	CH 455 VO/RFE/RL	27500
● 11.240	V	CH 456 VOA/RFE/RL	27500
● 11.240	V	CH 457 VOA/RFE/RL	27500
● 11.240	V	CH 458 VOA/RFE/RL	27500
● 11.240	V	CH 459 VOA	27500
● 11.240	V	CH 460 VOA	27500
● 11.240	V	CH 461 VOA/RFE/RL	27500
● 11.240	V	CH 462 RFA	27500
● 11.240	V	CH 463 VOA/RFE/RL	27500
● 11.240	V	CH 464 VOA	27500
● 11.240	V	CH 465 VOA	27500
● 11.240	V	CH 466 VOA	27500
● 11.240	V	CH 467 VOA	27500
11.305	V	Luxe TV	17360
11.305	V	C-Music	17360
11.305	V	EuroNews Asia	17360
11.305	V	RR Promo	17360
11.305	V	TERISTIT CHINA	17360
11.305	V	Trace TV	17360
11.334	V	NTD TV	6511
11.334	V	VIDEIO-1	6511
11.334	V	VIDEO-2	6511

EUT0W5WB

Freq GHz	Pol	Channel Name	Symbol rate
● 11.214	H	ENG	13020
● 11.214	H	EuroNews	13020
● 11.214	H	FR	13020
● 11.214	H	Trace TV	13020
● 11.214	H	ENGRAD	13020
● 11.214	H	FRRAD	13020
● 11.214	H	CBCRAD	13020
● 11.214	H	DND_Audio	13020
11.385	H	IRIB-BAGDAD	19145
11.385	H	IRIB-DAMASCUS	19145
11.385	H	IRIB-HC-TEST	19145
11.385	H	IRIB-KABOL	19145
11.385	H	IRIB-SHIRAZ	19145
11.385	H	IRIB-TEHRAN	19145
11.683	H	Orbit 1	15000
11.683	H	Orbit 2	15000
11.683	H	Orbit 3	15000
11.683	H	Orbit 4	15000

INTELSAT 4
72.0 East

INT004CA

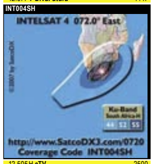


Freq GHz	Pol	Channel Name	Symbol rate
3.709	V	Channel 1	2083
3.729	H	CCTV	10500
3.729	H	DCC	10500
3.729	H	RTGA	10500
3.729	H	RTNC 1	10500
3.729	H	RADIO 1	10500
3.729	H	RADIO 2	10500
3.729	H	RADIO 3	10500
3.729	H	RADIO 4	10500
3.729	H	RADIO SARVICE 5	10500

INT004K1

Freq GHz	Pol	Channel Name	Symbol rate
12.518	V	NEWS ONE	8232
12.518	V	RU MUSIC	8232
12.518	V	EUROPA FM	8232
12.518	V	RADIO.5	8232
● 12.524	V	MENU-TV	3266
12.677	V	DivaFutura	1447

INT004SH



Freq GHz	Pol	Channel Name	Symbol rate
12.505	H	eTV	2500
12.544	H	Asianet	1480

C-Band: I
74.0 East

INS003CB

Freq GHz	Pol	Channel Name	Symbol rate
3.780	H	DD-13	6250
3.780	H	DDGUW-NFEED	6250
4.166	H	CEC-UGC-4	26000
4.166	H	EKLAVYA-3	26000
4.166	H	GYANDARSHAN-1	26000
4.166	H	GYANDARSHAN-2	26000
4.166	H	GYANVANI-6	26000
4.166	H	KISAN-5	26000

EDUSAT, INSAT 4CR
74.1 East

EDU001KU

Freq GHz	Pol	Channel Name	Symbol rate
10.955	H	DSERT-VIDYAVAHINI	1700
10.959	H	DSERT-VTU	1808
10.967	H	SLRC2	2142
10.970	H	Kairali Tv	2000
10.980	H	VICTERS	3000
11.160	H	IP/DVB Service	9992
11.160	H	RCS Map Table	9992

ABS-1
75.0 East

ABS001CB

Freq GHz	Pol	Channel Name	Symbol rate
3.491	V	ABTV1	10000
3.491	V	ABTV3	10000
3.491	V	ABTV4	10000
3.491	V	ABTV7	10000
3.491	V	ABTV2	10000
3.491	V	ABTV5	10000
3.491	V	ABTV6	10000
● 3.491	V	BIG FM	10000
● 3.491	V	FM 90.5	10000
3.491	V	RS RADIO	10000
3.491	V	blank	10000
● 3.570	H	MNC INT-1	3200
● 3.583	H	FASHION TV	2250
● 3.588	H	ENCODER	4443
3.594	H	Channel 1	5183
3.594	H	Channel 2	5183
3.619	H	GCN TV	27500
3.619	H	Data2	27500

ABS001SB

Freq GHz	Pol	Channel Name	Symbol rate
● 12.507	H	{Empty}	2500
12.511	H	NOOR TV	2450
● 12.579	H	JCTV	22000
● 12.579	H	1TVRUS Asia	22000
12.579	H	3ABN	22000
● 12.579	H	FASHION TV	22000
12.579	H	NET-25	22000
12.579	H	Smile of A Child	22000
● 12.579	H	Supreme Master TV	22000
12.579	H	TBN	22000
12.579	H	The Church Channel	22000
● 12.579	H	TV2Day	22000
● 12.640	H	RUNG TV	22000
● 12.640	H	ZAM TV	22000
12.640	H	Data1	22000
● 12.640	H	Skybroadcast	22000

TELSTAR 10
76.5 East

TEL010CG

Freq GHz	Pol	Channel Name	Symbol rate
3.646	V	Racing International	5065
● 3.646	V	SA Clean Feed	5065
3.655	H	SHANGRI-LA TV	3215
3.680	H	BBC India	27500
3.680	H	BBC India Hindi	27500
3.680	H	BBC Knowledge	27500
3.680	H	BBC LifeStyle	27500
3.680	H	CBeeBies	27500
● 3.680	H	Tamil Box Office	27500
● 3.680	H	Adhoc Feed/HoneyWell	27500
3.680	H	ERT	27500
3.680	H	ITV	27500
3.714	V	GMA	7475
3.714	V	PBO	7475
3.714	V	Pinoy Prime	7475
3.720	H	Hallmark Asia NTSC	29265
3.720	H	Hallmark Asia NTSC	29265
3.720	H	Hallmark Asia NTSC	29265
3.720	H	Hallmark Asia PAL	29265
3.720	H	Hallmark Asia PAL	29265
3.720	H	Hallmark Asia PAL	29265
3.720	H	Hallmark Asia PAL	29265
3.720	H	Test	29265
3.720	H	Virtual Hallmark A	29265
3.720	H	Virtual Hallmark A	29265
3.760	H	ALSH	28066
3.760	H	BOM	28066
3.760	H	ESC1	28066
3.760	H	K15	28066
3.760	H	MKTV	28066
3.760	H	NDM	28066
3.760	H	NTV	28066
3.760	H	NVAR	28066
3.760	H	ROTT	28066
3.760	H	DSPT	28066
3.760	H	DTV	28066
3.760	H	MAZZ	28066
3.760	H	SAMA DUBAI	28066
3.760	H	AGNI	28066
3.760	H	ALB	28066
3.760	H	ALRA	28066
3.760	H	BH1R	28066
3.760	H	CITY	28066
3.760	H	ELQN	28066
3.760	H	ERAS	28066
3.760	H	IASA	28066
3.760	H	MGF	28066
3.760	H	MRL	28066
3.760	H	MRT	28066
3.760	H	ROSA	28066
3.760	H	SOUT	28066
3.760	H	blank	28066
3.780	V	4E	28062
3.780	V	ALPHA	28062
3.780	V	ALTG	28062
3.780	V	ATV	28062
3.780	V	ESTAR	28062
3.780	V	EURO D	28062
3.780	V	MAD	28062
3.780	V	MEGA	28062
3.780	V	NTV	28062
3.780	V	SHOW	28062
3.780	V	SIGMA	28062
3.780	V	STAR	28062
3.780	V	AGHAPY TV	28062
3.780	V	RIKSAT	28062
3.780	V	SAMANYOLU TV	28062
3.780	V	ALEM FM	28062
3.780	V	ATHN	28062
3.780	V	BEST FM	28062
3.780	V	BURC	28062
3.780	V	COG	28062
3.780	V	ESFM	28062
3.780	V	ISFM	28062
3.780	V	KRAL FM	28062
3.780	V	MELO	28062
3.780	V	OASIS	28062
3.780	V	RADIO D	28062
3.780	V	REBLAIKA	28062
3.780	V	SFERA	28062
3.780	V	SOHO FM	28062
3.780	V	THES	28062
3.780	V	blank	28062
● 3.787	H	ETV ENC B	4600
● 3.793	H	DIGANTA TV	2700
3.841	H	BFTV	27500
3.841	H	DVB	27500
● 3.841	H	RR Promo	27500
3.841	H	THE SOUNDTRACK CH	27500
3.880	H	DC-Asia (Bahasa)	28125
3.880	H	DC-Asia (NTSC) Phi	28125
3.880	H	DC-Asia (NTSC) Phi	28125
3.880	H	DC-Asia (PAL)	28125
3.880	H	DC-Asia (Thai)	28125
3.880	H	DC-Asia with Cue-Ton	28125
3.880	H	DC-India (English)	28125
3.880	H	DC-India (Hindi)	28125
3.880	H	DC-India (Tamil)	28125
3.880	H	DC-India (Telugu)	28125
3.880	H	DC-Korea (NTSC) w/	28125
3.880	H	PDC-Asia (Bahasa)	28125
3.880	H	PDC-Asia (NTSC)	28125
3.880	H	PDC-Asia (PAL)	28125
3.880	H	PDC-Asia (Thai)	28125
3.880	H	PDC-India (English)	28125
3.880	H	Toon-India (English)	28125
3.880	H	Toon-India (Hindi)	28125
3.880	H	Toon-India (Tamil)	28125
3.880	H	Toon-India (Telugu)	28125
● 3.921	H	Animax Hong Kong	28343
3.921	H	Animax Philippines	28343
3.921	H	Animax Philippines	28343
3.921	H	Animax SEA track 345	28343
3.921	H	Animax Sout East Asi	28343
3.921	H	Animax Sout East A	28343
3.921	H	Animax Sout East A	28343
3.921	H	Animax South Asia	28343
3.921	H	Animax Taiwan	28343
3.921	H	Animax_HK_56	28343
3.921	H	ANIMAX_HK_78	28343
3.921	H	Animx _HK_78	28343
● 3.921	H	AXN Beyond	28343
● 3.921	H	AXN Beyond_A3QT	28343
3.921	H	AXN East Asia 2	28343
3.921	H	AXN India Audio Re	28343
3.921	H	AXN Korea	28343
3.921	H	AXN Philippines	28343
3.921	H	AXN Rest of Asia	28343
3.921	H	AXN Rest of AsiaCU	28343
3.921	H	AXN South Asia	28343
3.921	H	AXN Taiwan	28343
3.921	H	CH 13	28343
3.921	H	CH 14	28343
3.921	H	channel 40	28343
3.921	H	EA Business IRD	28343
3.921	H	EA2 Business	28343
3.921	H	Philippines Business	28343
3.921	H	SEA Business IRD	28343
3.921	H	SEA Business IRD A	28343
3.921	H	Test	28343
4.032	V	TVM	6310
4.032	V	VOM	6310
● 4.034	H	CHANNEL-I	4300
4.049	H	Bangla Vision	3600
4.056	H	Service 2	3215
● 4.073	H	BBC Arabic	13020
4.073	H	BBC Asia Feed 1	13020
4.073	H	BBC Asia Feed 2	13020
4.073	H	BBC Asia Feed 3	13020
4.073	H	BBC Asia Feed 4	13020
4.073	H	BBC Asia Feed 5	13020
4.073	H	BBC Asia Feed 6	13020
4.073	H	BBC Azeri	13020
4.073	H	BBC Bengali	13020
4.073	H	BBC Burmese	13020
4.073	H	BBC Dari	13020
4.073	H	BBC English (E Asi	13020
4.073	H	BBC English (Europe)	13020
4.073	H	BBC English (S Asi	13020
4.073	H	BBC English Mid-Ea	13020
4.073	H	BBC English News	13020
4.073	H	BBC Farsi	13020
4.073	H	BBC Hindi	13020
4.073	H	BBC Indonesian	13020
4.073	H	BBC Kirghiz	13020
4.073	H	BBC Mandarin	13020
4.073	H	BBC Pashto	13020
4.073	H	BBC Russian	13020
4.073	H	BBC Russian (C Asi	13020
4.073	H	BBC Tajik	13020
4.073	H	BBC Turkish	13020
4.073	H	BBC Urdu	13020
4.073	H	BBC Uzbek	13020
4.073	H	BBC Vietnamese	13020
4.084	H	Channel1	2565
● 4.090	H	BOISHAKHI TV	4300
4.095	H	Channel One	4080
● 4.113	H	NDTV.ARABIA-4.5MB	2893
● 4.147	H	IslamicTV	3600
● 4.165	H	DESH TV	4285
4.174	H	nTV DVB	7400
4.174	H	RTV DVB	7400

TEL010KB

Freq GHz	Pol	Channel Name	Symbol rate
12.280	V	BLTV ¤H¶¡½Âµø [UB	22425
12.280	V	BTV ·O´d[UB05]	22425
12.280	V	CONGRESS °ê·|½Â¬P	22425
12.280	V	j§Q'qµø¥x[UB06]	22425
12.280	V	LIFE TV ¥Í©R'qµø¥x	22425
12.280	V	TZUCHI ·OÀÙ¤j·R [	22425
12.280	V	UCTV ªk¬É½Â¬P ·s[U	22425
12.280	V	xÆW½Âµø[UB07]	22425
12.280	V	´µÛ°¦X¥x[UB09]	22425
12.308	V	CSN °ê®õ[UB306]	22425
12.308	V	EF TV'B³q[UB304]	22425
12.308	V	HB ¤¤µØ¥ø·~ [UB303]	22425
12.308	V	HS «Í¥Í[UB307]	22425
12.308	V	TACT¥xÅÀ[UB301]	22425
12.308	V	afa TV µØ¤H°Ó·~¥x[UB	22425
12.308	V	EF TV'B³q[UB304]	22425
12.308	V	FINANCE °]°T°],g¥x	22425
12.308	V	HB ¤¤µØ¥ø·~ [UB303]	22425
12.308	V	SBN ¾Ç³Ì°],g[UB308]	22425
12.308	V	TACT¥xÅÀ[UB301]	22425
12.308	V	World ¥@¬É[UB302]	22425
12.376	V	Xizang TV1	5660
12.376	V	Xizang TV2	5660
12.406	V	afa TV µØ¤HÀ¸¼@[UB61	30000
12.406	V	ETMV ªF´Ë'q¼v[UB60	30000
12.406	V	ETSP-2 ªF´ËÊÊª«¤G¥	30000
12.406	V	GOLDSUN TV °ê¿³[U	30000
12.406	V	HOLLYWOOD ¦nµÜ¶õ'	30000
12.406	V	JET[UB606]	30000
12.406	V	LS TIME'q¼v[UB609]	30000
12.406	V	PTV-1 ¤¤¤Ñ·s»D[UB6	30000
12.406	V	PTV-2 ¤¤¤Ñ°¦X[UB6	30000
12.406	V	PTV-3 ¤¤¤Ñ®T¼Ö[BU6	30000
12.406	V	UBN «D¤Z·s»D¥x[UB6	30000
12.406	V	NULL 'w³ÆÀW'D[UB61	30000
12.406	V	Ptvv1	30000
12.434	H	DVB	10000
12.434	H	ZHONGGUANG	10000
12.462	V	Boss Golf	22425
12.462	V	CTS 華視	22425
12.462	V	CTV 中視	22425
12.462	V	FTV 民視	22425
12.462	V	PTS 公視	22425
12.462	V	TVBS	22425
12.462	V	Asia Trave 亞洲旅遊	22425
12.462	V	PR-CH 公告頻道	22425
12.462	V	TTV台視	22425
12.491	V	DISNEY 迪士尼	22425
12.491	V	SETI	
12.491	V	Top & Ph TV	22425
12.491	V	TVBS-G	22425
12.491	V	TVBS-N	22425

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THAICOM 2,5
78.5 East
THA005KI

Freq GHz	Pol	Channel Name	Symbol rate
12.271	H	DLTV1	30000
12.271	H	DLTV10	30000
12.271	H	DLTV11	30000
12.271	H	DLTV12	30000
12.271	H	DLTV13	30000
12.271	H	DLTV14	30000
12.271	H	DLTV15	30000
12.271	H	DLTV2	30000
12.271	H	DLTV3	30000
12.271	H	DLTV4	30000
12.271	H	DLTV5	30000
12.271	H	DLTV6	30000
12.271	H	DLTV7	30000
12.271	H	DLTV8	30000
12.271	H	DLTV9	30000
12.271	H	ETV	30000
12.271	H	MONY	30000
12.271	H	RS79	30000
12.271	H	RS98	30000
12.271	H	TGN	30000
12.271	H	FM92	30000
12.313	H	Asia Hits	30000
12.313	H	CH11	30000
12.313	H	EarthOne	30000
12.313	H	FilMagix	30000
12.313	H	KIDS CLUB	30000
12.313	H	Modern9 TV	30000
12.313	H	Nation	30000
12.313	H	Newsline	30000
12.313	H	Thai TV3	30000
12.313	H	TITV	30000
12.313	H	TV5	30000
12.313	H	TV7	30000
12.313	H	Vacant2	30000
12.313	H	Vacant3	30000
12.313	H	Dhamma	30000
12.313	H	Parliament TV	30000
12.313	H	Test	30000
12.313	H	Vacant	30000
12.313	H	FM 101.0 MHz	30000
12.313	H	FM 101.75 MHz	30000
12.313	H	FM 102.5 MHz	30000
12.313	H	FM 103.5 MHz	30000
12.438	H	CH-3	30000
12.438	H	CH-5	30000
12.438	H	CH-7	30000
12.438	H	CH-9	30000
12.438	H	CH11	30000
12.438	H	CINM	30000
12.438	H	FL A	30000
12.438	H	HALL	30000
12.438	H	HBO	30000
12.438	H	MCTN	30000
12.438	H	MOVH	30000
12.438	H	NEWS	30000
12.438	H	PREV	30000
●12.438	H	RS09	30000
12.438	H	SMES	30000
12.438	H	STMV	30000
12.438	H	TITV	30000
12.438	H	70'S	30000
12.438	H	80'S	30000
12.438	H	BLUE	30000
12.438	H	CLAS	30000
12.438	H	CLRK	30000
12.438	H	CONT	30000
12.438	H	DISC	30000
12.438	H	INST	30000
12.438	H	JAZZ	30000
12.438	H	JVOC	30000
12.438	H	LOVE	30000
12.438	H	R&B	30000
12.438	H	R&R	30000
12.438	H	RATP	30000
12.438	H	SOFT	30000
●12.479	H	AFRR	30000
12.479	H	AXN	30000
12.479	H	CH-3	30000
12.479	H	CH-5	30000
12.479	H	CH-7	30000
12.479	H	CH-9	30000
●12.479	H	CH-V	30000
12.479	H	CH11	30000
12.479	H	CHIC	30000
12.479	H	CINM	30000
12.479	H	FL A	30000
12.479	H	HALL	30000
12.479	H	HBO	30000
12.479	H	HBOF	30000
12.479	H	HBOH	30000
12.479	H	HBOS	30000
12.479	H	insE	30000
●12.479	H	LTNG	30000
●12.479	H	MA	30000
12.479	H	MCTN	30000
12.479	H	MGM	30000
12.479	H	MOVH	30000
12.479	H	NEWS	30000
12.479	H	PREV	30000
12.479	H	SMES	30000
12.479	H	SRES	30000
12.479	H	STMV	30000
12.479	H	TCM	30000
12.479	H	TITV	30000
●12.479	H	TMUS	30000
12.479	H	TNN2	30000
12.479	H	XZYT	30000
12.479	H	70'S	30000
12.479	H	80'S	30000
12.479	H	ALT	30000
12.479	H	BBCW	30000
12.479	H	BLUE	30000
12.479	H	CLAS	30000
12.479	H	CLRK	30000
12.479	H	CONT	30000
12.479	H	COOL	30000
12.479	H	DANC	30000
12.479	H	DISC	30000
12.479	H	EURO	30000
12.479	H	GET	30000
12.479	H	GWV	30000
12.479	H	HOTT	30000
12.479	H	INST	30000
12.479	H	J100	30000
12.479	H	JAZZ	30000
12.479	H	JVOC	30000
12.479	H	LKTG	30000
12.479	H	LOVE	30000
12.479	H	METR	30000
12.479	H	MJNG	30000
12.479	H	R&B	30000
12.479	H	R&R	30000
12.479	H	RATP	30000
12.479	H	RIVR	30000
12.479	H	SOFT	30000
12.479	H	SPT	30000
12.479	H	TMSC	30000
12.562	H	ANPL	25776
12.562	H	D HH	25776
12.562	H	D TL	25776
12.562	H	Disn	25776
12.562	H	DisP	25776
12.562	H	GSQ	25776
●12.562	H	RS56	25776
●12.562	H	RS57	25776
●12.562	H	RS58	25776
●12.562	H	RS59	25776
12.562	H	SPRK	25776
12.562	H	TCCN	25776
12.562	H	TSP1	25776
12.562	H	TSP2	25776
12.562	H	TSP3	25776
12.562	H	TSP4	25776
12.562	H	ALT	25776
12.562	H	BBCW	25776
12.562	H	COOL	25776
12.562	H	DANC	25776
12.562	H	EURO	25776
12.562	H	GET	25776
12.562	H	GWV	25776
12.562	H	HOTT	25776
12.562	H	J100	25776
12.562	H	LTNG	25776
12.562	H	METR	25776
12.562	H	MJNG	25776
12.562	H	RIVR	25776
12.562	H	SPRT	25776
12.562	H	TMUS	25776
12.604	H	BBC	30000
12.604	H	BMBG	30000
12.604	H	CCTV	30000
12.604	H	CNBC	30000
12.604	H	CNN	30000
12.604	H	ESPN	30000
12.604	H	NHK	30000
12.604	H	RS67	30000
●12.604	H	RS75	30000
12.604	H	SPRT	30000
12.604	H	TSE1	30000
12.604	H	TSE2	30000
12.604	H	TSP5	30000
12.604	H	TV5	30000
●12.657	H	MCT1	30000
●12.657	H	MCT2	30000
12.657	H	PREV	30000
●12.657	H	RATV	30000
12.657	H	RS100	30000
●12.657	H	RS106	30000
●12.657	H	RS107	30000
●12.657	H	RS108	30000
●12.657	H	RS109	30000
●12.657	H	RS110	30000
●12.657	H	RS111	30000
●12.657	H	RS112	30000
●12.657	H	TATV	30000
12.720	H	RS116	30000

C-Band: THAICOM 2,5
78.6 East
THA002CR

Freq GHz	Pol	Channel Name	Symbol rate
3.751	H	BBTV Channel 7	
●3.764	H	BBTV CH 7 1	4702

THA005CG

Freq GHz	Pol	Channel Name	Symbol rate
3.430	H	EMP	13331
●3.430	H	HADI TV	13331
3.430	H	MANMIN-TV	13331
●3.504	H	KCTV	3365
●3.511	H	MRTV	6240
●3.511	H	MRTV3	6240
●3.511	H	MRTVRADIO	6240
3.551	H	APOSTOLIC ONENESS	13333
3.551	H	FTV INDIA	13333
3.551	H	GOD Africa	13333
3.551	H	Marine Biz TV	13333
3.551	H	TRT INT	13333
3.551	H	Hornafrik Somalia	13333
3.551	H	Radyo-2 (TRT FM)	13333
3.551	H	TSR Turkce	13333
3.551	H	VOT World	13333
3.569	H	5-CARTOONS	15000
3.569	H	5-MOVIES	15000
3.569	H	5-SERIES	15000
3.569	H	CNN	15000
3.569	H	ESPN	15000
3.569	H	STAR SPORTS	15000
3.569	H	MRTV	15000
3.569	H	MRTV-3	15000
3.569	H	MRTV-4	15000
3.569	H	MYANMAR RADIO	15000
3.569	H	RADIO-2	15000
3.600	H	SRTV	26667
●3.600	H	Almarnar TV	26667
3.600	H	APNA	26667
3.600	H	DMC	26667
3.600	H	KHYBER NEWS	26667
3.600	H	KTN	26667
3.600	H	Mayu TV	26667
●3.600	H	S-LAND	26667
3.600	H	SHIN SAT 13	26667
3.600	H	SINDH TV	26667
3.600	H	TV5 Global	26667
3.600	H	TVK	26667
3.600	H	Vibe	26667
3.600	H	VTV	26667
3.600	H	Radio Almadina	26667
3.600	H	TGN_radio	26667
3.640	H	BABY TV	28062
3.640	H	3ABN International	28062
3.640	H	BVN	28062
3.640	H	DAYSTAR	28062
3.640	H	KURDSAT	28062
3.640	H	LLBN TV	28062
3.640	H	Russia Today	28062
3.640	H	Svt Europa	28062
3.640	H	TCT	28062
3.640	H	TELEMEDIA	28062
3.640	H	The Word Network	28062
3.640	H	UNIV TV	28062
3.640	H	3ABN RADIO	28062
3.640	H	CVC	28062
3.640	H	Overcomer Radio	28062
3.640	H	Rvi1 (VRT)	28062
3.640	H	Swedish Radio 1	28062
3.640	H	Swedish Radio 2	28062
●3.665	H	TVK CAMBODIA	3703
3.693	H	Sky 2	5000
3.693	H	Sky 1	5000
3.711	V	GOA NEWS	13330
3.711	V	HARYANA NEWS	13330
3.711	V	PUNJAB TODAY	13330
3.711	V	UP NEWS	13330
3.727	V	KHYBER NEWS	3255
●3.760	V	7 Star Care	26660
●3.760	V	Enter10	26660
●3.760	V	Enterr10	26660
●3.760	V	Sanskar	26660
●3.760	V	{Empty}	26660

THA005CR

Freq GHz	Pol	Channel Name	Symbol rate
3.420	V	SCOPUS-NET-TEC0	6666
3.420	V	SCOPUS-NET-TEC1	6666
3.432	V	Nepal Television 1	6664
3.432	V	Nepal Television 2	6664
●3.440	V	Music LifeStyle	5923
●3.440	V	Next Step Television	5923
●3.440	V	PSI Mail	5923
●3.440	V	SAMRUJLOK	5923
●3.454	V	AVENUES TV	3000
●3.464	V	ETC	3328
3.475	V	IMAYAM	12800
3.475	V	SHAKTI	12800
3.475	V	SS MUSIC	12800
3.475	V	SUR SANGEET	12800
3.475	V	TARA NEWZ	12800
3.475	V	TEST INDIASIGN	12800
3.521	V	LaoStar Channel	2915
●3.545	V	7 Star Care	26667
3.545	V	Enter10	26667
●3.545	V	Sanskar	26667
3.585	V	TTN	26667
●3.585	V	AI-NET CHANNEL	26667
3.585	V	ETC	26667
3.585	V	ETC PANJABI	26667
3.585	V	mvtv_h plus channel	26667
3.585	V	MVTV_HITSTATION	26667
3.585	V	MVTV_MIC	26667
3.585	V	MVTV_NEWS	26667
3.585	V	MVTV_STAR	26667
●3.585	V	MVTV_VARIETY	26667
●3.585	V	P5tv	26667
3.585	V	PTC NEWS	26667
3.585	V	KCS Radio	26667
3.585	V	Shin 13	26667
3.625	V	Movie Mania	30000
3.625	V	MTV Thailand	30000
3.625	V	Nickelodeon	30000
3.625	V	Panorama '07	30000
3.625	V	Popper	30000
3.625	V	Rakthai	30000
3.625	V	SHIN SAT 5	30000
3.625	V	VH1 Thailand	30000
3.625	V	World fashion Channe	30000
●3.625	V	SHIN SAT 3	30000
3.625	V	SHIN SAT 4	30000
●3.625	V	SHIN SAT 6	30000
3.625	V	SHIN SAT 7	30000
3.625	V	TARA MUZIK	30000
●3.625	V	TCTV	30000
●3.625	V	S_Dance-Express	30000
●3.625	V	S_Euro-Express	30000
●3.625	V	S_Look Thoung Rak Th	30000
●3.625	V	S_Love Channel	30000
●3.625	V	S_Next FM	30000
●3.625	V	S_Pop-Express	30000
●3.625	V	S_Rock-Express	30000
●3.625	V	S_Urban-Express	30000
3.625	V	SHIN SAT 18	30000
3.722	V	STV FROM NTV	3333
3.784	V	AVENUESTV	3333
3.814	V	MHONE NEWS	6660
3.814	V	Shraddha	6660
3.840	V	MH1Music	26667
3.840	V	Nepal1	26667
3.840	V	Sadhana	26667
3.865	V	Ch 11	4685
●3.874	V	Chiangmai	2530
●3.877	V	UBON	2530
●3.880	V	CH11 Pitsanuloke	2530
●3.883	V	SONGKHLA 2.734	2530
●3.887	V	CH11 CHANTABURI	2530
●3.890	V	KHONKAEN	2530
●3.893	V	Suratthani	2530
3.893	V	Suratthani (Talkback)	2530
3.896	V	TV.11 KANCHANABUR	2530
3.920	V	EDN EDUTAINMENT N	30000
3.920	V	M1 MOVIE 1	30000
3.920	V	POP CHANNEL	30000
3.920	V	THAI CHAI YO	30000
3.920	V	VARIETY ONE	30000
●3.920	V	ACE CHANNEL	30000
3.920	V	DHOOM TV	30000
3.920	V	DIN NEWS	30000
3.920	V	Kashish TV	30000
3.920	V	Kook TV	30000
3.920	V	SINDH TV	30000
3.960	V	SRTV	30000
3.960	V	APNA	30000
●3.960	V	APNA NEWS	30000
3.960	V	Joo Music	30000
3.960	V	KTN	30000
3.960	V	NEWS TIME	30000
3.960	V	SILVER SCREEN	30000
3.960	V	SINDH TV NEWS	30000
●3.960	V	Starlite	30000
3.960	V	Vibe	30000
3.960	V	Voyages	30000
4.106	V	ATN-Bangla	6665
4.135	V	Apsara TV	4443
4.135	V	TV5 Cambodia	4443
4.135	V	FM 98 MHz Cambodia	4443
4.166	V	KTN-KARACHI	3333

EXPRESS AM2
80.0 East
EXPAM2CR

Freq GHz	Pol	Channel Name	Symbol rate
3.558	R	TPK-CEBEP	3214
3.561	R	TRV Muzhi	3226
3.583	R	RTPC Irkutsk	4285
3.675	R	Perviy kanal (+4h)	33484
3.675	R	Telekanal Rossiya (+	33484
3.675	R	7TV	33484
3.675	R	Kultura-2+RVKultura	33484
3.675	R	RenTV 0	33484
3.675	R	RenTV 2	33484
3.675	R	RenTV 4	33484
3.675	R	RenTV 7	33484
3.675	R	AI-15	33484
3.675	R	AI-16	33484
3.675	R	Mayak O3R	33484
3.675	R	Radio CH20	33484
3.675	R	Radio CH21	33484
3.675	R	Radio CH22	33484
3.675	R	Radio CH23	33484
3.675	R	Radio CH24	33484
3.675	R	Radio CH25	33484
3.675	R	Radio CH26	33484
3.675	R	Radio CH27	33484
3.675	R	Radio CH28	33484
3.675	R	Radio CH29	33484
3.675	R	Radio CH30	33484
3.675	R	Radio KulturaD2	33484
3.675	R	Radio RussiaD3	33484
3.675	R	Radio Unost	33484
3.928	L	5_kanal_msk	8703
3.928	L	5_kanal_sibir	8703
4.147	R	TV XXI	27500
4.147	R	7 TV	27500
4.147	R	Center TV Plus	27500
4.147	R	TVC	27500
4.147	R	TVC Siberia	27500
4.147	R	TVC Ural	27500
4.147	R	CTV Plus	27500
4.147	R	Radio 2 (test)	27500
4.147	R	Radio 4 (test)	27500
4.147	R	Radio 5 (test)	27500
4.147	R	Radio Arsenal	27500
4.147	R	Russian Public Radio	27500
4.175	R	Blagovest	4050

EXPAM2KR

Freq GHz	Pol	Channel Name	Symbol rate
10.973	V	ENISEY-REGION	4444
10.992	V	OTC	4441
10.992	V	ZV1	4441
11.043	H	Euronews	44937
11.043	H	Eurosport	44937
11.043	H	Eurosport 2	44937
●11.043	H	Hallmark	44937
11.043	H	National Geographic	44937
●11.043	H	Бибигон	44937
11.043	H	Вести 24	44937
11.043	H	Геомания ТВ	44937
●11.043	H	Драйв	44937
11.043	H	Звезда	44937
11.043	H	Культура	44937
11.043	H	Орион Экспресс Инфо	44937
●11.043	H	Охота и Рыбалка	44937
●11.043	H	Первый канал	44937
11.043	H	РБК-ТВ	44937
11.043	H	РЕН ТВ	44937
11.043	H	Россия	44937
11.043	H	ТВ Центр	44937
11.043	H	ТВ-3	44937
●11.043	H	Усадьба	44937
●11.043	H	Music Love	44937
11.043	H	Neo Music	44937
●11.043	H	Ocean TV	44937
11.043	H	Militseiskaya Volna	44937
11.043	H	Radio Mayak	44937
●11.043	H	Test1001	44937
●11.043	H	Test1002	44937
11.081	V	TBN RUSSIA	5064
11.081	V	{Empty}	5064
11.087	V	SGA	4546
11.087	V	SGU TV	4546
●11.463	V	Russya+Tomsk	3200
●11.477	H	Yugoria Network	4400
●11.477	H	Yugoria Audio	4400
●11.606	V	Animal Planet	44937
●11.606	V	AXN Sci Fi	44937
●11.606	V	Discovery Civilisati	44937
●11.606	V	Discovery Europe Cha	44937
●11.606	V	Discovery Science	44937
●11.606	V	Discovery Travel & L	44937
11.606	V	Dom kino	44937
●11.606	V	Extreme Sports	44937
●11.606	V	KidsCo	44937
11.606	V	Russkaja Noch	44937
●11.606	V	Telenyanya	44937
11.606	V	Zee TV Russia	44937
11.606	V	Авто Плюс	44937
●11.606	V	Боец	44937
●11.606	V	Индия ТВ	44937
11.606	V	Киномания ТВ	44937
●11.606	V	Комедия ТВ	44937
11.606	V	Ля-минор	44937
●11.606	V	Многосерийное ТВ	44937
11.606	V	Мультимания ТВ	44937
11.606	V	ТВ XXI век	44937
11.606	V	1TVRUS CIS	44937
11.606	V	Бридж ТВ	44937
●11.606	V	Феникс-Арт	44937

INSAT3B,4A
83.0 East
INS04AKB

Freq GHz	Pol	Channel Name	Symbol rate
10.970	H	BBC Entertainment	27500
10.970	H	Bindass	27500
10.970	H	CBeebies	27500
10.970	H	DD Kashir	27500
10.970	H	FILMY	27500
10.970	H	HBO	27500
10.970	H	NDTV GOOD TIMES	27500
10.970	H	Service 1314	27500
10.970	H	STAR Gold	27500
10.970	H	STAR Movies	27500
10.970	H	Zee Cafe	27500
10.970	H	Zee Cinema	27500
10.970	H	Zee Studio	27500
10.970	H	Zone Reality	27500
10.970	H	Actve Cooking Trig	27500
10.970	H	Home (Movies)	27500
11.010	H	Animal Planet	27500
11.010	H	DD Chandana	27500
11.010	H	Discovery	27500
11.010	H	ETV2	27500
11.010	H	Help Channel	27500
11.010	H	History	27500
11.010	H	HOME	27500
11.010	H	MAA TV	27500
11.010	H	Sales Promo Channel	27500
11.010	H	Service 1406	27500
11.010	H	Udaya 2	27500
11.010	H	Udaya Movies	27500
11.010	H	Udaya TV	27500
11.010	H	EPG BG Audio	27500
11.010	H	SDP Service	27500
11.050	H	Animax	27500
11.050	H	Cartoon Network	27500
11.050	H	Chutti TV	27500
11.050	H	Disney	27500
11.050	H	Hungama	27500
11.050	H	Kalaignar TV	27500
11.050	H	KTV	27500
11.050	H	Nick	27500
11.050	H	PIX	27500
11.050	H	Pogo	27500
●11.050	H	STAR Majha	27500
11.050	H	Toon Disney	27500
11.050	H	Udaya Varthegalu	27500
11.050	H	Home (Kids)	27500
11.050	H	Service 1519	27500
11.090	H	Aastha	27500
11.090	H	Channel V	27500
11.090	H	DD Punjabi	27500
11.090	H	Discovery T & L	27500
11.090	H	Fashion TV	27500
11.090	H	INDIA TV	27500
11.090	H	Lok Sabha TV	27500
11.090	H	MH ONE Shraddha	27500
11.090	H	MTV	27500
11.090	H	Nat Geo	27500
11.090	H	Sanskar	27500
11.090	H	Zee Punjabi	27500
11.090	H	Zee Trendz	27500
●11.090	H	Service 1614	27500
11.090	H	Home (Music)	27500
11.130	H	Aaj Tak	27500
●11.130	H	ACTVE DARSHAN	27500
11.130	H	ACTVE NEWSROOM	27500
11.130	H	ACTVE STAR NEWS	27500
11.130	H	Actve STAR News Te	27500
11.130	H	CNN-IBN	27500
11.130	H	DD NE	27500
11.130	H	DD News	27500
11.130	H	Headlines Today	27500
11.130	H	NDTV 24x7	27500
11.130	H	NDTV India	27500
11.130	H	STAR News	27500
11.130	H	TIMES NOW	27500
11.130	H	Zee News	27500
11.130	H	ACTVE KHABAR	27500
●11.130	H	Ferrari Contest	27500
11.130	H	Home (News)	27500
11.170	H	Asianet News	27500
11.170	H	BBC WORLD	27500
11.170	H	CNBC Awaaz	27500
11.170	H	CNBC-TV18	27500
11.170	H	CNN	27500
11.170	H	Gemini News	27500
11.170	H	Jaya	27500
11.170	H	MH One	27500
11.170	H	MI MARATHI	27500
11.170	H	NDTV Profit	27500
11.170	H	Sun Music	27500
11.170	H	Sun News	27500
11.170	H	TV9 - Kannada	27500
11.170	H	Zee Business	27500
11.170	H	Home (Entertainment)	27500
11.470	H	ACTVE SPORTS	27500
11.470	H	Actve Sports Highlig	27500
11.470	H	ACTVE SPORTS TEST	27500
11.470	H	Actve Sports Virtual	27500
11.470	H	ESPN	27500
11.470	H	MAX	27500
●11.470	H	NEO Plus	27500
●11.470	H	NEO Sports	27500
11.470	H	STAR Cricket	27500
11.470	H	STAR Sports	27500
11.470	H	ACTVE TRIGGER ESP	27500
●11.470	H	Actve Trigger NEO	27500
11.470	H	ACTVE TRIGGER SPO	27500
11.470	H	Home (Sports)	27500
11.510	H	Aakaash Bangla	27500
11.510	H	AXN	27500
11.510	H	DD Bangla	27500
11.510	H	DD Oriya	27500
11.510	H	DD Sahyadri	27500
11.510	H	ETV Bangla	27500
11.510	H	ETV Kannada	27500
11.510	H	ETV Marathi	27500
11.510	H	Kiran TV	27500
11.510	H	STAR Ananda	27500
11.510	H	STAR World	27500
11.510	H	Surya TV	27500
11.510	H	Zee Bangla	27500
11.510	H	Zee Marathi	27500
11.550	H	DD Gujarati	27500
11.550	H	DD National	27500
11.550	H	ETV Gujarati	27500
11.550	H	ETV Oriya	27500
11.550	H	ETV Urdu	27500
11.550	H	SAB	27500
11.550	H	Sahara ONE	27500
11.550	H	Sony	27500
11.550	H	STAR One	27500
11.550	H	STAR Plus	27500
11.550	H	STAR Utsav	27500
11.550	H	Teja TV	27500
11.550	H	Zee Gujarati	27500
11.550	H	Zee TV	27500
11.550	H	Home (Gen Ent Nth)	27500
11.550	H	STAR Plus Contest	27500
11.590	H	Amrita TV	27500
11.590	H	Asianet	27500
11.590	H	DD Malayalam	27500
11.590	H	DD Podhigai	27500
11.590	H	DD Saptagiri	27500
11.590	H	ETV Telugu	27500
11.590	H	Gemini Music	27500
11.590	H	Gemini TV	27500
11.590	H	Indiavision	27500
11.590	H	Kairali	27500
11.590	H	NE TV	27500
11.590	H	STAR Vijay	27500
11.590	H	Sun TV	27500
11.590	H	TV9	27500
11.590	H	HELPDESK	27500
11.630	H	ACTVE COOKING	27500
●11.630	H	ACTVE DOORDARSHAN	27500
●11.630	H	SERVICE 2310	27500
●11.630	H	Service 2311	27500
11.630	H	Showcase	27500
11.630	H	Showcase Promo Cha..	27500
●11.630	H	AIR Telugu	27500
●11.630	H	Gurbani (AIR Jall..)	27500
11.630	H	Actve AIR	27500
●11.670	H	9X	27500
11.670	H	DD Sports	27500
11.670	H	Service 2401	27500
●11.670	H	Service 2407	27500
11.670	H	TEN Sports	27500
11.670	H	VH1	27500
11.670	H	Service 2405	27500
11.670	H	Service 2408	27500
●11.670	H	ACTVE ASTROLOGY	27500
11.670	H	ACTVE GAMES	27500
●11.670	H	ACTVE LEARNING	27500
●11.670	H	ACTVE STORIES	27500
●11.670	H	ACTVE STORIES ENG	27500
●11.670	H	ACTVE STORIES HIN	27500
11.670	H	ACTVE WIZKIDS	27500
11.670	H	Contest	27500
●11.670	H	Game Guru	27500
11.670	H	Games Portal	27500
●11.670	H	High Score Module	27500
11.670	H	Interactive test BW	27500
11.670	H	Interactive test BW	27500
11.670	H	Interactive test BW	27500
●11.670	H	Service 1295	27500
11.670	H	Wizkids	27500
11.670	H	Wizkids5	27500

C-Band: INSAT 2E,3B,4A
83.1 East
INS02ECW

Freq GHz	Pol	Channel Name	Symbol rate
3.549	V	TV9	3255
3.643	V	Asianet	19531
3.643	V	Asianet News	19531
3.643	V	Asianet Plus	19531
3.643	V	Jeevan TV	19531
3.643	V	Suvarna	19531
3.679	V	AMRITA TV	5929
3.689	V	Ne Hi Fi	3328
3.761	V	CNBC	6500
3.761	V	CNBC AAWAZ	6500
3.774	V	RAJ TV	13020
●3.774	V	RDP	13020
3.774	V	VISSA	13020
3.774	V	RAJ MUSIX	13020
3.845	V	MAA-TV	26042
3.845	V	Kairali	26042
3.845	V	Kairali WE	26042
3.845	V	kairali People	26042
3.845	V	MAKKAL TV	26042
3.845	V	TAMILAN TV	26042
3.845	V	TV 5	26042
3.845	V	WIN-TV	26042
4.005	V	ETV-2	27000
4.005	V	ETV-Bengali	27000
4.005	V	ETV-Gujarathi	27000
4.005	V	ETV-Kannada	27000
4.005	V	ETV-Marathi	27000
4.005	V	ETV-Oriya	27000
4.005	V	ETV-Telugu	27000
4.005	V	ETV-Urdu	27000

INS02ECZ

Freq GHz	Pol	Channel Name	Symbol rate
3.485	V	ETV-BIHAR	27000
3.485	V	ETV-CHANNEL 13	27000
3.485	V	ETV-CHANNEL 14	27000
3.485	V	ETV-MADHYA PRADES	27000
3.485	V	ETV-RAJASTHAN	27000
3.485	V	ETV-UTTAR PRADESH	27000
3.559	V	S1 TELEVISION	3366
3.581	V	TV-9KANNADA	3255
3.593	V	JAYA MAX	8679
3.593	V	JAYA PLUS	8679
3.593	V	JAYA TV	8679
3.612	V	AKAASH	9625
3.620	V	NE TELEVISON	3333
4.070	V	DD1 2E NATIONAL	5000

INS04ACB

Freq GHz	Pol	Channel Name	Symbol rate
●3.725	H		26656
3.725	H	AASEERVATHAM TV	26656
●3.725	H	D TV	26656
3.725	H	JAIHIND TV	26656
●3.725	H	JHANKAR MOVIE	26656
3.725	H	LEMON TV	26656
3.725	H	PBC	26656
3.725	H	POWERVISION TV	26656
3.725	H	STANDARD WORLD	26656
●3.725	H	TIMETV	26656
3.754	V	NE BANGLA	3224
3.756	H	Manoranjan TV	13328
3.756	H	REAL ESTATE TV	13328
3.756	H	Service 3	13328
3.756	H	Service 4	13328
3.756	H	Service 5	13328
3.756	H	Service 6	13328
3.756	H	Service 7	13328
●3.778	H	STAR	10900
●3.778	H	STAR ANANDA	10900
●3.778	H	STAR NEWS	10900
●3.778	H	STAR MAJHA	10900
3.805	H	BINDASS	28500
3.805	H	BINDASS MOVIES	28500
●3.805	H	AZAD NEWS	28500
●3.805	H	CHANNEL 1	28500
●3.805	H	NEWS LIVE	28500
●3.805	H	OTV	28500
●3.805	H	PRAGYA	28500
●3.805	H	SHALOM TV	28500
●3.805	H	SUDARSHAN TV	28500
●3.805	H	YO MUSIC	28500
●3.838	H	INDIAVISION	3330
●3.843	H	YES INDIAVISION	3330
3.852	H	CTVN AKD PLUS	3265
3.856	H	kasthuri TV	3463
3.899	H	Bhakti	6800
●3.899	H	NTV	6800
3.922	H	Music India	13000
3.922	H	SANGEET BANGLA	13000
3.922	H	Satsang	13000
3.922	H	TOTAL TV	13000
3.922	H	TV 100	13000
3.923	V	MMINTL	3000
●3.934	V	KALAIGNAR	13020
●3.934	V	MEGATV	13020
●3.934	V	SUBHAVAARTHA	13020
●3.936	H	9x	10103
●3.936	H	9xM	10103
●3.975	V	SANSKRUTI	13330
●3.976	H	ZEE NEXT	3200
●4.042	V	Angel TV	8000
●4.042	V	Bhaarath TV	8000
●4.042	V	God's learning Chann	8000
●4.042	V	Telemedia	8000
●4.042	V	Tristit TV	8000
●4.087	H	JANMAT	3300
4.100	H	BBS TV	4750
4.100	H	BBS FM	4750
4.100	H	Kuzoo FM	4750
4.115	H	MMCAL	5555
4.115	H	MMCOCHIN	5555
4.115	H	MMTVM	5555
●4.134	H	BIZ-24	10603
●4.134	H	E 24	10603
●4.134	H	LIFE-24	10603
●4.134	H	NEWS 24	10603
4.152	H	ZEE KANNADA	6500
4.152	H	ZEE TELUGU	6500
●4.152	H	24 GHANTA	6500
4.161	H	PLAY TV	6500
4.161	H	ZEE TALKIES	6500
4.161	H	24 TAAS	6500
●4.170	H	LSTV	4650
4.181	H	KOLKATATV	3234

INTELSAT 709
85.0 East
INT709ME

Freq GHz	Pol	Channel Name	Symbol rate
11.584	H	Kurdsat	3254
11.591	H	SkyARCS Saudi Inte	2637
11.599	H	Feeds (2XG-EN2)	3000
11.599	H	RRSat Promo	3255
11.605	H	Feeds (2XG-EN2)	3600
11.679	H	Feeds (SNG-006B)	3255

CHINASTAR 1
87.5 East
CHI001CB

Freq GHz	Pol	Channel Name	Symbol rate
3.733	H	MYAWADY TV	5925

ST 1
88.0 East
STC001CB

Freq GHz	Pol	Channel Name	Symbol rate
3.413	V	UBC Thailand	3618
3.550	V	1_VL Cinema	30000
3.550	V	2_VL Nipponese	30000
3.550	V	3_VL Drama	30000
3.550	V	4_VL Ensemble	30000
3.550	V	5_VL Sports	30000
3.550	V	6_VL Edu & Ent	30000
●3.550	V	7_CH7	30000
3.550	V	9_Ad hoc feed	30000
3.550	V	8_UTV MOMO	30000
●3.550	V	Life TV	30000
●3.633	V	1_VL Cinema	30000
●3.633	V	2_VL Nipponese	30000
●3.633	V	3_VL Drama	30000
●3.633	V	4_VL Ensemble	30000
●3.633	V	5_VL Sports	30000
●3.633	V	6_VL Edu & Ent	30000
●3.633	V	7_CH7	30000
●3.633	V	9_Ad hoc feed	30000
3.633	V	1_Ch11 BTS	30000
●3.633	V	8_UTV MOMO	30000
●3.633	V	Life TV	30000
●3.671	H	Ch_1 BTS	9250
●3.671	H	Ch_2 Life TV	9250
●3.671	H	Ch_3	9250
●3.671	H	Ch_4	9250
3.688	H	Service 2	3000

STC001K2

Freq GHz	Pol	Channel Name	Symbol rate
●11.661	H	News One LHR	2170
11.693	H	TVLanka 1	12000
11.693	H	TVLanka 2	12000
11.693	H	TVLanka 3	12000
11.693	H	TVLanka 4	12000
11.693	H	TVLanka 5	12000
11.693	H	TVLanka 6	12000
11.693	H	TVL Radio 1	12000
11.693	H	TVL Radio 3	12000
11.693	H	TVL Radio 4	12000
●11.693	H	TVL Radio 5	12000

YAMAL 201
90.0 East
YAM201CB

Freq GHz	Pol	Channel Name	Symbol rate
3.550	L	Altyn Asyr	20000
3.550	L	Miras	20000
3.550	L	Turkmenistan TV-4	20000
3.550	L	Yaslyk	20000
3.606	L	Fashion TV Russia	2626
3.645	L	Sport	28000
3.645	L	DTV +7	28000
3.645	L	NTV7	28000
3.645	L	Test 1	28000
3.645	L	TNT	28000
3.645	L	TV ZVEZDA	28000
3.645	L	TV3	28000
3.674	L	MTV	17500
3.674	L	SGU TV	17500
3.674	L	SPAS	17500
3.674	L	TV-3 PLUS 3	17500
3.674	L	TV-3 PLUS 7	17500
3.725	L	Skvortsovo	3200
3.729	L	GTRK Dalnevostochnay	4283
3.900	L	ROSTOV-TV1	4285
3.906	L	ROSTOV-TV2	4265
3.944	L	AM LIFE	15550
3.944	L	O2TV	15550
3.944	L	RUTV	15550
3.944	L	Radio Radonezh/Famil	15550
3.944	L	Radio Zvezda	15550
3.944	L	Russkoe Mezhdunarodn	15550
4.042	R	HUMOR TV	8679
4.042	R	MUSIC BOX RU	8679
4.042	R	MUSIC BOX TV	8679
4.085	R	107-8	2500
4.085	R	Avtoradio	2500
4.085	R	Dinamit	2500
4.085	R	Echo Moscow	2500
4.085	R	Energia	2500
4.085	R	Monte Carlo	2500
4.085	R	Retro	2500
4.085	R	Russkoe-2	2500

YAM201KB

Freq GHz	Pol	Channel Name	Symbol rate
●10.990	V	OTV	2170
●10.995	V	Telakannl Yamal	4285
●11.057	V	STS	26470
●11.092	V	REN TV	26470
●11.671	V	Seven Skies	18200

MEASAT 1,3
91.5 East
MEA001KM

Freq GHz	Pol	Channel Name	Symbol rate
10.982	V	AXN	30000
10.982	V	CTWK	30000
10.982	V	DISN	30000
10.982	V	HBO	30000
●10.982	V	HHD	30000
●10.982	V	KBSW	30000
●10.982	V	MAK	30000
10.982	V	NGEO	30000
10.982	V	NICK	30000
10.982	V	PHDC	30000
10.982	V	RIA	30000
10.982	V	SMV	30000
10.982	V	TVBS	30000
10.982	V	VAAN	30000
10.982	V	WLT	30000
11.106	V	8TV	30000
11.106	V	ABO	30000
11.106	V	ANIM	30000
11.106	V	CEL	30000
11.106	V	ESPN	30000
11.106	V	HITZ	30000
11.106	V	KIRA	30000
11.106	V	RTM1	30000

MEA003KA

Freq GHz	Pol	Channel Name	Symbol rate
●12.523	V	B4U MUSIC	27500
●12.523	V	Fashion TV	27500
●12.523	V	Sahara Bihar	27500
●12.523	V	Sahara MP	27500
●12.523	V	Sahara Mumbai	27500
●12.523	V	Sahara National	27500
●12.523	V	Sahara Rajasthan	27500
●12.523	V	Sahara UP	27500
●12.523	V	Star Utsav	27500
●12.523	V	Zee Music	27500
●12.523	V	Zee Smile	27500
●12.523	V	Zoom TV	27500
●12.563	V	Big TV	27500
●12.563	V	Big TV Classic	27500
●12.563	V	Big TV Comedy	27500
●12.563	V	Big TV Hollywood	27500
●12.563	V	Big TV Kids	27500
●12.563	V	Big TV Marathi	27500
●12.563	V	Big TV Romance	27500
●12.563	V	Big TV Suspense	27500
●12.643	V	DD Bangla	27500
●12.643	V	DD Chandana	27500
●12.643	V	DD Gujarati	27500
●12.643	V	DD Malayalam	27500
●12.643	V	DD News	27500
●12.643	V	DD Oriya	27500
●12.643	V	DD Podhigai	27500
●12.643	V	DD Punjabi	27500
●12.643	V	DD Sahyadri	27500
●12.643	V	DD Sapthagiri	27500
●12.643	V	DD Urdu	27500
●12.683	H	Aakaash	27500
●12.683	H	Amrita TV	27500
●12.683	H	Asianet News	27500
●12.683	H	CNN IBN	27500
●12.683	H	ETV Bihar	27500
●12.683	H	ETV MP	27500
●12.683	H	ETV Rajasthan	27500
●12.683	H	ETV Urdu	27500
●12.683	H	IBN7	27500
●12.683	H	Jaya TV	27500
●12.683	H	Kairali Ch.	27500
●12.683	H	NETV	27500
●12.683	H	S1 Television	27500
●12.683	H	Tamilian TV	27500
●12.683	H	Times Now	27500
●12.683	H	TV 9	27500
●12.723	H	Aastha International	27500
●12.723	H	CNBC Awaaz	27500
●12.723	H	CNBC TV 18	27500
●12.723	H	DD India	27500
●12.723	H	DD National	27500
●12.723	H	DD sports	27500
●12.723	H	ETC	27500
●12.723	H	ETC Punjabi	27500
●12.723	H	Geo TV	27500
●12.723	H	India TV	27500
●12.723	H	MH 1	27500
●12.723	H	Nepal 1	27500
●12.723	H	SS Music	27500
●12.723	H	Tara News	27500
●12.723	H	TV 5 Monde	27500
●12.723	H	Gyanadarshan	27500
●12.723	H	Games Portal	27500

MEA003KI

Freq GHz	Pol	Channel Name	Symbol rate
11.483	V	AOD	30000
11.483	V	APL	30000
11.483	V	BBC	30000
11.483	V	CNBC	30000
11.483	V	CTV9	30000
11.483	V	DSCI	30000
11.483	V	ES	30000
11.483	V	GC	30000
11.483	V	MTV	30000
11.483	V	NTV7	30000
11.483	V	PIN	30000
11.563	V	@15	30000
●11.563	V	AEC	30000
11.563	V	ASSP	30000
11.563	V	BBCE	30000
11.563	V	BTV	30000
●11.563	V	CER	30000
●11.563	V	CHTV	30000
●11.563	V	CINE	30000
●11.563	V	CNN	30000
11.563	V	CTV4	30000
11.563	V	DH&H	30000
●11.563	V	DISC	30000
11.563	V	DRT	30000
11.563	V	E!	30000
11.563	V	HMK	30000
11.563	V	JYU	30000
●11.563	V	PHNX	30000
●11.563	V	PRIMA	30000
11.563	V	SM	30000
●11.563	V	SUN	30000
11.563	V	SWR	30000
●11.563	V	TV9	30000
●11.563	V	TVB8	30000
11.563	V	TVIQ	30000
●11.563	V	VT	30000
●11.563	V	XHE	30000
●11.563	V	XTY	30000
●11.563	V	ERA	30000
●11.563	V	GOLD	30000
●11.563	V	HITZ	30000
●11.563	V	IB	30000
●11.563	V	JAZ	30000
●11.563	V	LITE	30000
●11.563	V	MIX	30000
●11.563	V	MLD	30000
●11.563	V	MSQA	30000
●11.563	V	MY	30000
●11.563	V	NLG	30000
●11.563	V	OPUS	30000
●11.563	V	OSAI	30000
●11.563	V	RAAGA	30000
●11.563	V	ROCK	30000
●11.563	V	SINAR	30000
●11.563	V	XF FM	30000
●11.563	V	PLAY	30000
●11.563	V	DS DMR 103	30000
●11.563	V	RAD	30000
11.635	H	tv	27500
11.643	V	AOD	30000
11.676	H	tv	27500
11.682	V	AOD	30000
11.682	V	HIST	30000
11.682	V	NHK	30000
11.682	V	AOD	30000
11.833	V	AXN	30000
11.833	V	CTWK	30000
11.833	V	DISN	30000
11.833	V	HBO	30000
●11.833	V	HHD	30000
●11.833	V	KBSW	30000
●11.833	V	MAK	30000
11.833	V	NGEO	30000
11.833	V	NICK	30000
11.833	V	PHDC	30000
11.833	V	RIA	30000
11.833	V	SMV	30000
11.833	V	TVBS	30000
11.833	V	VAAN	30000
11.833	V	WLT	30000
11.957	V	8TV	30000
11.957	V	ABO	30000
11.957	V	ANIM	30000
11.957	V	CEL	30000
11.957	V	ESPN	30000
11.957	V	HITZ	30000
11.957	V	KIRA	30000
11.957	V	RTM1	30000
12.333	V	AOD	30000
12.333	V	APL	30000
12.333	V	BBC	30000
12.333	V	CNBC	30000
12.333	V	CTV9	30000
12.333	V	DSCI	30000
12.333	V	ES	30000
12.333	V	GC	30000
12.333	V	MTV	30000
12.333	V	NTV7	30000
12.333	V	PIN	30000
12.414	V	@15	30000
●12.414	V	AEC	30000
12.414	V	ASSP	30000
12.414	V	BBCE	30000
12.414	V	BTV	30000
●12.414	V	CER	30000
●12.414	V	CHTV	30000
●12.414	V	CINE	30000
●12.414	V	CNN	30000
12.414	V	CTV4	30000
12.414	V	DH&H	30000
●12.414	V	DISC	30000
12.414	V	DRT	30000
12.414	V	E!	30000
12.414	V	HMK	30000
12.414	V	JYU	30000
●12.414	V	PHNX	30000
●12.414	V	PRIMA	30000
12.414	V	SM	30000
●12.414	V	SUN	30000
●12.414	V	SWR	30000
●12.414	V	TV9	30000
●12.414	V	TVB8	30000
12.414	V	TVIQ	30000
●12.414	V	VT	30000
●12.414	V	XHE	30000
●12.414	V	XTY	30000
●12.414	V	ERA	30000
●12.414	V	GOLD	30000
●12.414	V	HITZ	30000
●12.414	V	IB	30000
●12.414	V	JAZ	30000
●12.414	V	LITE	30000
●12.414	V	MIX	30000
●12.414	V	MLD	30000
●12.414	V	MSQA	30000
●12.414	V	MY	30000
●12.414	V	NLG	30000
●12.414	V	OPUS	30000
●12.414	V	OSAI	30000
●12.414	V	RAAGA	30000
●12.414	V	ROCK	30000
●12.414	V	SINAR	30000
●12.414	V	XF FM	30000
●12.414	V	PLAY	30000
●12.414	V	DS DMR 103	30000
●12.414	V	RAD	30000
12.493	V	AOD	30000

C-BAND: MEASAT 1,3
91.6 East
MEA003CG

Freq GHz	Pol	Channel Name	Symbol rate
3.720	V	TV NATIN	2170
●3.720	V	BEAT	2170
●3.720	V	DZRH	2170
●3.720	V	HOT FM	2170
●3.720	V	KIDS FM	2170
●3.720	V	LOVE	2170
●3.720	V	RN	2170
●3.720	V	YES FM	2170
3.840	V	AFC	30000
3.840	V	BBC Entertainment	30000
3.840	V	Celestial 1	30000
3.840	V	Celestial 2	30000
3.840	V	CRIME&INVESTIGATI	30000
3.840	V	GOAL TV1	30000
3.840	V	GOLF	30000
3.840	V	HISTORY	30000
3.840	V	JIA YU	30000
●3.840	V	WATV	30000
3.864	V	Sabah TV	3835
3.864	V	Sabah FM	3835
3.864	V	Sabah FM1	3835
3.864	V	Sabah FM3	3835
3.864	V	Sabah FM4	3835
3.877	V	RTM 1	12520
3.877	V	RTM 2	12520
●3.877	V	RTM FEED 1	12520
3.877	V	RTM FEED 2	12520
3.877	V	AI FM	12520
3.877	V	ASYIK FM	12520
3.877	V	KLASIK NASIONAL F	12520
3.877	V	MINNAL FM	12520
3.877	V	MUZIK FM	12520
3.877	V	SUARA MALAYSIA 1	12520
3.877	V	SUARA MALAYSIA 2	12520
3.877	V	TRAXX FM	12520
3.888	V	RTM Sarawak TV	3980
3.888	V	Red FM	3980
3.888	V	Sarawak FM	3980
3.888	V	Sarawak FM 4	3980
3.888	V	Sarawak FM 5	3980
3.888	V	Wai FM	3980
3.919	V	Filmazia	28000
3.919	V	MTV Pakistan	28000
3.919	V	WFC	28000
3.919	V	Film World	28000
3.919	V	Indus Vision	28000

C-Band: INSAT 3A,4B
93.5 East
INS03ACE

Freq GHz	Pol	Channel Name	Symbol rate
4.131	V	RTA - Kabul	4000
4.131	V	RADIO	4000
4.136	V	Ningarhar Service	2000
4.141	V	ARIANA INT'L	5148
4.141	V	ARIANA NATIONAL	5148
●4.141	V	ARIANA FM	5148

INS03ACI

Freq GHz	Pol	Channel Name	Symbol rate
3.732	V	DD Bangala	6250
3.732	V	Kolkata Feed	6250
3.742	V	DD PUNJABI	6250
3.742	V	JALANDHAR FEED	6250
3.750	V	Ahmedabad Feed	6250
3.750	V	DD Gujrati	6250
3.759	V	DD BANGALORE NEWS	6250
3.759	V	DD CHANDANA	6250
3.772	V	DD Feed - BBSR	6250
3.772	V	DD Oriya	6250
3.782	V	DD-KASHIR (SRINAG	6250
3.782	V	DD-News feed(SRIN	6250
3.791	V	NEWS-FEED	8600
3.791	V	DD SAHYADRI	8600
3.791	V	MUMBAI-FEED	8600
3.800	V	DD URDU	4250
3.812	V	DD Malayalam RLSS	6250
3.812	V	NEWS DDK Trivandru	6250
3.821	V	News feed hyd	6250
3.821	V	Sapthagiri	6250
3.832	V	Chennai feed - 1	8601
3.832	V	Podhigai	8601
3.840	V	DD News 3A	3000
3.932	V	DD-News feed(Shimla)	6250
3.932	V	DD-Shimla	6250
3.941	V	DD-Jaipur	6250
3.941	V	DD-N/FeedJaipur	6250
3.950	V	DD-Bhopal	6250
3.950	V	DD-News feed(Bhopal)	6250
3.959	V	DD-Lucknow	6250
3.959	V	DD-News feed(Lucknow	6250
4.092	V	DDSHG-NEWSFEED	6250
4.092	V	DDSHG-REGIONAL	6250
4.101	V	AIZAWL-REGIONAL	6250
●4.101	V	DD-AZL-NEWSFEED	6250
4.108	V	DDK_AGARTALA	4250

INS04BCE

Freq GHz	Pol	Channel Name	Symbol rate
●3.885	H	GEMINI CABLE VISI	28000
●3.885	H	GEMINI MUSIC	28000
●3.885	H	GEMINI NEWS	28000
●3.885	H	GEMINI TV	28000
●3.885	H	K TV	28000
●3.885	H	SUN MUSIC	28000
●3.885	H	SUN NEWS	28000
●3.885	H	SUN TV	28000
●3.885	H	TEJA TV	28000
●3.885	H	UDAYA MOVIES	28000
●3.885	H	UDAYA TV	28000
●3.885	H	UDAYA VARTHEGALU	28000
●3.885	H	CHUTTI TV	28000
●3.885	H	KIRAN TV	28000
●3.885	H	SURYA TV	28000
●3.885	H	S FM BANGALORE 93	28000
●3.885	H	S FM HYDERABAD 93	28000
●3.885	H	SURYAN FM 93.5	28000
●4.045	H	ADITHYA TV	28000
●4.045	H	TEJA NEWS	28000
●4.045	H	UDAYA NEWS	28000
●4.045	H	USHE TV	28000
●4.045	H	UDAYA II	28000

INSAT 4B
93.6 East
INS04BKB

Freq GHz	Pol	Channel Name	Symbol rate
●10.990	V	LOK SABHA TV	27500
10.990	V	DD BANGLA	27500
10.990	V	DD BHARATI	27500
10.990	V	DD GUJARATI	27500
10.990	V	DD INDIA	27500
●10.990	V	DD KASHIR	27500
●10.990	V	DD NATIONAL	27500
10.990	V	DD NEWS	27500
10.990	V	DD SPORTS	27500
10.990	V	DD-CHANDANA	27500
10.990	V	AIR MARATHI	27500
10.990	V	AIR TAMIL	27500
10.990	V	AIR TELUGU	27500
10.990	V	AIR VBS	27500
●11.030	V	Gemini TV	27500
●11.030	V	Jaya TV	27500
●11.030	V	K TV	27500
●11.030	V	Kalaignar TV	27500
●11.030	V	Kiran TV	27500
●11.030	V	SM	27500
●11.030	V	SP	27500
●11.030	V	SS Music	27500
●11.030	V	Sun TV	27500
●11.030	V	Surya TV	27500
●11.030	V	Teja	27500
●11.030	V	Udaya	27500
●11.030	V	Udaya Movies	27500
●11.030	V	VI TEST	27500
●11.070	V	DD MALAYALAM	27500
11.070	V	DD NORTH EAST	27500
11.070	V	DD ORIYA	27500
11.070	V	DD PODHIGAI	27500
●11.070	V	DD PUNJABI	27500
11.070	V	DD RAJYA SABHA	27500
11.070	V	DD SAHYADRI	27500
11.070	V	DD SAPTAGIRI	27500
11.070	V	ENTER10	27500
11.070	V	MH1 MUSIC	27500
11.070	V	AIR GUJRATI	27500
11.070	V	AIR PUNJABI	27500
11.070	V	FM GOLD	27500
11.070	V	FM RAINBOW	27500
●11.110	V	B4U Music	27500
●11.110	V	Bhakti TV	27500
●11.110	V	C V-1	27500
●11.110	V	Chutti TV	27500
●11.110	V	E TEST	27500
●11.110	V	ETV 2	27500
●11.110	V	ETV Telugu	27500
●11.110	V	Gemini Music	27500
●11.110	V	Gemini News	27500
●11.110	V	Maa TV	27500
●11.110	V	Shalom TV	27500
●11.110	V	Star Majaa	27500
●11.110	V	Sun Music	27500
●11.110	V	Sun News	27500
●11.110	V	TV5 Telugu	27500
●11.110	V	TV9	27500
●11.150	V	AASTHA	27500
11.150	V	DW TV	27500
●11.150	V	ETC	27500
11.150	V	KAIRALI TV	27500
11.150	V	PTC NEWS	27500
11.150	V	SMILE TV	27500
11.150	V	SUN TV	27500
11.150	V	TIME TV	27500
11.150	V	TOTAL TV	27500
11.150	V	ZEE JAGRAN	27500
11.150	V	AIR BANGLA	27500
11.150	V	AIR HINDI	27500
11.150	V	AIR KANNADA	27500
11.150	V	AIR N E	27500
●11.185	V	DW TV	20000
●11.185	V	ETV Urdu	20000
●11.185	V	Jain TV	20000
●11.185	V	Kairali	20000
●11.185	V	Makkal TV	20000
●11.185	V	Mega TV	20000
●11.185	V	Podhigai	20000
●11.185	V	Sahara	20000
●11.185	V	SG	20000
●11.185	V	SO	20000
●11.185	V	Star Utsav	20000
●11.185	V	Win TV	20000
●11.185	V	Yo Music	20000
●11.185	V	SFM - B'lore	20000
●11.185	V	SFM Hyderabad	20000
●11.185	V	SuryanFM	20000
11.490	V	TEST -16	27500
11.490	V	TEST -17	27500
11.490	V	TEST -18	27500
11.490	V	TEST -19	27500
11.490	V	TEST -20	27500
11.490	V	TEST-11	27500
11.490	V	TEST-12	27500
11.490	V	TEST-13	27500
11.490	V	TEST-14	27500
11.490	V	TEST-15	27500
11.490	V	AIR ASSAMESE	27500
11.490	V	AIR MALAYALAM	27500
11.490	V	FM GOLD-MUM	27500
11.490	V	FM R'BOW-CHN	27500
●11.530	V	Asianet Suvarna	27500
●11.530	V	ETV Kannada	27500
●11.530	V	Fashion TV	27500
●11.530	V	K TEST	27500
●11.530	V	MI Marathi	27500
●11.530	V	N TV	27500
●11.530	V	NDTV Good Times	27500
●11.530	V	NE TV	27500
●11.530	V	Nepal TV	27500
●11.530	V	SW	27500
●11.530	V	TV 9 Kannada	27500
●11.530	V	Udaya 2	27500
●11.530	V	Udaya Varthegalu	27500
11.570	V	DD URDU	27500
●11.570	V	GYANDARSHAN-1	27500
●11.570	V	GYANDARSHAN-2	27500
●11.570	V	JAIHIND TV	27500
●11.570	V	Kalaignar TV	27500
●11.570	V	MAKKAL TV	27500
●11.570	V	MEGA TV	27500
●11.570	V	MUSIC INDIA	27500
●11.570	V	TEST 6	27500
11.570	V	WIN TV	27500
11.570	V	AIR ORIYA	27500
11.570	V	AIR RAGAM	27500
11.570	V	AIR URDU	27500
11.570	V	FM R'BOW-BLR	27500
●11.610	V	Akash bangla	27500
●11.610	V	Amrita	27500
●11.610	V	Angel TV	27500
●11.610	V	Asianet	27500
●11.610	V	Asianet News	27500
●11.610	V	Asianet Plus	27500
●11.610	V	ETV Marathi	27500
●11.610	V	God TV	27500
●11.610	V	H C	27500
●11.610	V	India Vision	27500
●11.610	V	Jeevan	27500
●11.610	V	Kairali People	27500
●11.610	V	Kairali We	27500
●11.610	V	N1	27500
●11.610	V	O TV	27500
●11.610	V	Sanskar	27500
●11.610	V	Shakthi TV	27500
●11.610	V	TV5 Intl	27500
●11.644	V	7 Star Care	20000
●11.644	V	ABC	20000
●11.644	V	Daystar	20000
●11.644	V	Manorama news	20000
●11.644	V	NDTV 24x7	20000
●11.644	V	NDTV India	20000
●11.644	V	NDTV Profit	20000
●11.681	V	SN	9500

NSS 6
95.0 East
NSS006IN

Freq GHz	Pol	Channel Name	Symbol rate
11.037	H	CHANNEL V	40690
11.037	H	CNBC AWAAZ	40690
11.037	H	CNN IBN	40690
11.037	H	DISNEY CHANNEL	40690
11.037	H	ETV 2	40690
11.037	H	ETV BANGLA	40690
11.037	H	ETV GUJARATI	40690
11.037	H	ETV KANNADA	40690
11.037	H	ETV ORIYA	40690
●11.037	H	ETV TELUGU	40690
11.037	H	ETV UP	40690
11.037	H	ETV URDU	40690
11.037	H	HISTORY CHANNEL	40690
●11.037	H	HUNGAMA	40690
●11.037	H	KHEL ACTIVE	40690
●11.037	H	NAT GEO	40690
11.037	H	NE TV	40690
●11.037	H	SANSKAR TV	40690
11.037	H	STAR UTSAV	40690
11.037	H	TOON DISNEY	40690
●11.037	H	KIDS ACTIVE	40690
●11.037	H	LIVE INDIA	40690
11.037	H	OTA	40690
11.091	H	CGNTV	29500
11.173	H	AAJ TAK	27500
11.173	H	ACTION CINEMA	27500
11.173	H	Cinema Active	27500
11.173	H	CLASSIC CINEMA	27500
11.173	H	Music Active	27500
11.173	H	POGO	27500
11.173	H	PREMIER CINEMA	27500
11.173	H	SS MUSIC	27500
11.173	H	STAR GOLD	27500
11.173	H	STAR MOVIES	27500
11.173	H	STAR NEWS	27500
11.173	H	STAR SPORTS	27500
11.173	H	STAR WORLD	27500
11.173	H	TIMES NOW	27500
11.173	H	VH1	27500
11.173	H	ETC PUNJABI	27500
12.538	V	ASIANET	40690
12.538	V	BBC WORLD	40690
12.538	V	BOOMERANG	40690
12.538	V	ESPN	40690
●12.538	V	FASHION TV	40690
12.538	V	GEMINI NEWS	40690
12.538	V	INDIA TV	40690
12.538	V	MAA TV	40690
12.538	V	MANORAMA NEWS	40690
●12.538	V	NDTV 24X7	40690
●12.538	V	RAJ TV	40690
●12.538	V	STAR CRICKET	40690
●12.538	V	STAR ONE	40690
12.538	V	STAR PLUS	40690
12.538	V	ZEE 24 TAAS	40690
12.538	V	ZEE GUJARATI	40690
●12.538	V	ZEE NEXT	40690
12.538	V	ZEE TRENDZ	40690
●12.538	V	ZOOM TV	40690
12.538	V	DISH INTERACTIVE	40690
12.538	V	ZEE JAGRAN	40690
12.538	V	OTA	40690
12.597	V	24 GHANTA	40700
●12.597	V	AMRITA TV	40700
12.597	H	ASIANET NEWS	40687
12.597	H	ASIANET PLUS	40687
12.597	V	CARTOON NETWORK	40700
12.597	V	CNBC TV 18	40700
12.597	V	CNN	40700
12.597	H	dish News Active	40687
12.597	H	dish Sports Active	40687
12.597	H	ETV MARATHI	40687
12.597	V	HBO	40700
12.597	H	MI MARATHI	40687
12.597	V	Movie Active	40700
12.597	H	MOVIE ON DEMAND 1	40687
12.597	H	MOVIE ON DEMAND 2	40687
12.597	H	MOVIE ON DEMAND 3	40687
12.597	H	MOVIE ON DEMAND 4	40687
12.597	H	MOVIE ON DEMAND 5	40687
12.597	V	NDTV INDIA	40700
12.597	H	NDTV PROFIT	40687
12.597	V	NEPAL 1	40700
12.597	V	RAJ DIGITAL	40700
12.597	V	SAHARA FILMY	40700
12.597	V	SAHARA ONE	40700
●12.597	V	SAHARA SAMAY	40700
12.597	H	STAR VIJAY	40687
12.597	V	TCM	40700
12.597	H	TEST SP	40687
●12.597	V	TV 5 Monde	40700
●12.597	V	VOYAGES	40700
12.597	V	ZEE BUSINESS	40700
12.597	V	ZEE CINEMA	40700
12.597	H	ZEE NEWS	40687
●12.597	V	ZEE SPORTS	40700
12.597	V	ZEE TALKIES	40700
12.597	V	ZEE TELUGU	40700
●12.597	V	ZONE REALITY	40700
12.597	V	AAKAASH BANGLA	40700
●12.597	H	games ACTIVE	40687
●12.597	V	PLAY TV	40700
●12.597	V	OTA	40700
12.647	H	ANIMAL PLANET	27500
12.647	H	ANIMAX	27500
12.647	H	AXN	27500
12.647	H	DISCOVERY	27500
12.647	H	DISCOVERY T & LIV	27500
●12.647	H	INDIAVISION	27500
12.647	H	MAX	27500
12.647	H	MTV	27500
12.647	H	NICKELODEON	27500
12.647	H	PIX	27500
12.647	H	SAB TV	27500
12.647	H	SONY	27500
12.647	H	TEN SPORTS	27500
●12.647	H	OTA	27500
12.689	H	CHUTTI TV	27500
●12.689	H	GEMINI MUSIC	27500
●12.689	H	GEMINI TV	27500
12.689	H	K TV	27500
12.689	H	KIRAN TV	27500
12.689	H	SUN MUSIC	27500
12.689	H	SUN NEWS	27500
12.689	H	SUN TV	27500
12.689	H	SURYA TV	27500
12.689	H	TEJA TV	27500
●12.689	H	U2	27500
12.689	H	UDAYA MOVIES	27500
12.689	H	UDAYA TV	27500
12.689	H	UDAYA VARTHEGALU	27500

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

Freq GHz	Pol	Channel Name	Symbol rate
12.692	V	MGM	27500
12.692	V	ZEE BANGLA	27500
12.692	V	ZEE CAFE	27500
12.692	V	ZEE KANNADA	27500
● 12.692	V	ZEE MARATHI	27500
● 12.692	V	ZEE MUSIC	27500
● 12.692	V	ZEE PUNJABI	27500
12.692	V	ZEE STUDIO	27500
12.692	V	ZEE TV	27500
● 12.692	V	playjam	27500
● 12.692	V	Dish Trivia	27500
12.692	V	EURO	27500
12.692	V	iGuide	27500
● 12.692	V	Minikids	27500
12.692	V	OTA	27500
12.692	V	test1	27500
12.692	V	test2	27500
● 12.729	V	ZEE BUSINESS	27500
● 12.729	V	ZEE NEXT	27500
● 12.729	V	CARTOON NETWORK	27500
● 12.729	V	CNBC TV 18	27500
● 12.729	V	SAHARA FILMY	27500
● 12.729	V	STAR CRICKET	27500
● 12.729	V	STAR ONE	27500
● 12.729	V	STAR PLUS	27500
● 12.729	V	ZEE CINEMA	27500
● 12.729	V	ZEE SPORTS	27500

NSS006SE

Freq GHz	Pol	Channel Name	Symbol rate
11.676	H	Body and Mind	27500
11.676	H	e-San Discovery	27500
11.676	H	For the Earth TV	27500
11.676	H	News 1	27500
11.676	H	Suwannabhumi Channel	27500
11.676	H	TOC	27500
11.676	H	Variety	27500
11.676	H	ASTV Radio 1	27500
11.676	H	ASTV Radio 2	27500
11.676	H	ASTV Radio 3	27500
11.676	H	ASTV Radio 4	27500
11.676	H	ASTV Radio 5	27500
11.676	H	ASTV Radio 6	27500
11.676	H	Test Channel	27500

C-Band: ASIASAT 2
100.5 East

ASI002CB

Freq GHz	Pol	Channel Name	Symbol rate
● 3.638	H	2Way	5400
● 3.638	H	PCR	5400
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 MAAREF	27500
● 3.660	V	RADIO QURAN	27500
3.660	V	RADIO SARASARI	27500
3.660	V	RES-ASIASAT2	27500
● 3.705	V	FEED 3	5630
● 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
3.791	V	Shamshad TV	2444
● 3.796	V	Service 2	2963
3.799	H	APTN Feeds (APTN1	5632
● 3.801	H	APTN1 GVW +4420748	5630
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
3.905	H	Reuters WNS	4000
3.905	H	Opportunistic Data	4000
● 3.960	H	TRACE TV	27500
3.960	H	VISION2	27500
● 3.960	H	Cancao Nova	27500
3.960	H	SATLINK	27500
● 3.960	H	Supreme Master TV	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 World	28100
3.980	V	VIJAY	28100
● 4.000	H	LUXE-TV-HD	28125
4.000	H	Cubavision	28125
● 4.000	H	LUXE-TV-SD	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	TRBBA	6665
● 4.061	V	ITRAI 2	6665
● 4.072	V	GBBBC Tx3	6665
● 4.083	V	Tandberg Service	6665
● 4.094	V	Eurovision_Netw	6665
● 4.105	V	Fi02WSHT	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

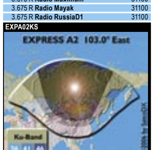
Freq GHz	Pol	Channel Name	Symbol rate
● 12.267	V	XHTV	5400

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
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

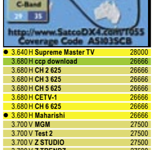
EXPA02KS



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

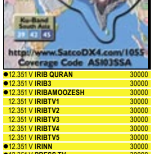
ASI03SCB



Freq GHz	Pol	Channel Name	Symbol rate
● 3.640	H	Supreme Master TV	28000
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 6 625	26666
● 3.680	H	Maharishi	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	Service1	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	508	28100
3.780	V	701 FOX Sports	28100
3.780	V	708 Nat. Geo	28100
● 3.780	V	709 Wild	28100
● 3.780	V	710 Fox Crime	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	793 STAR Chinese M	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	610 Fox News	26850
3.840	H	609 Sky 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	790 STAR Chinese I	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	409 STAR Sports So	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	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	ESPN Philippines	27500
3.860	V	STAR Cricket	27500
3.860	V	STAR Sports	27500
3.860	V	STAR Sports SEA	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
3.940	V	791 STARCon	28100
3.940	V	703 STAR PLUS ME	28100
● 3.940	V	711 FX	28100
● 3.940	V	712 Nat Geo Phil	28100
3.940	V	785 STAR Plus ME	28100
3.940	V	786 STAR One	28100
3.940	V	787 Vijay US	28100
3.940	V	788 STAR Chinese M	28100
3.940	V	789 STAR News HK	28100
3.940	V	STAR News	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 World	28100
3.980	V	VIJAY	28100
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	739 Movies Int'l	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
4.000	H	726 Ph'x Info	26850
4.000	H	743 Phoenix Chinese	26850
4.000	H	745 XING KONG	26850
4.000	H	747 Channel [V] Chin	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 Tv	27250
4.020	V	Sahara UP	27250
● 4.020	V	SaharaTV	27250
● 4.040	H	Ch. 340, Dedicated C	20400
● 4.040	H	Ch. 370, AS1-2, AS3-	20400
● 4.040	H	Ch. 371, AS1-2, AS5-	20400
● 4.040	H	Ch. 372, AS1-2, AS7-	20400
● 4.040	H	Ch. 373, AS3-4, AS5-	20400
● 4.040	H	Ch. 374, AS3-4, AS7-	20400
● 4.040	H	Ch. 375, AS5-6, AS7-	20400
● 4.040	H	Ch. 377, Closed Capt	20400
● 4.040	H	Ch. 378, AS1-8	20400
● 4.040	H	Ch. 380, AS9-10, AS1	20400
● 4.040	H	Ch. 381, AS9-10, AS1	20400
● 4.040	H	Ch. 382, AS9-10, AS1	20400
● 4.040	H	Ch. 383, AS11-12, AS	20400
● 4.040	H	Ch. 384, AS11-12, AS	20400
● 4.040	H	Ch. 385, AS13-14, AS	20400
● 4.040	H	Ch. 388, AS9-16	20400
● 4.040	H	Ch. 391, AS9-10, AS2	20400
● 4.040	H	Ch. 392, AS9-10, AS2	20400
● 4.040	H	Ch. 393, AS11-12, AS	20400
● 4.040	H	Ch. 394, AS11-12, AS	20400
● 4.040	H	Ch. 395, AS21-22, AS	20400
● 4.040	H	Ch. 398, AS17-24	20400
● 4.040	H	Ch. 401, AS25-26, AS	20400
● 4.040	H	Ch. 402, AS25-26, AS	20400
● 4.040	H	Ch. 403, AS27-28, AS	20400
● 4.040	H	Ch. 404, AS27-28, AS	20400
● 4.040	H	Ch. 405, AS29-30, AS	20400
● 4.040	H	Ch. 408, AS25-32	20400
● 4.040	H	Ch. 409, AS33-34, A	20400
● 4.040	H	Ch. 410, AS37-38, AS	20400
● 4.040	H	Ch. 8 - OS Downloa	20400
● 4.040	H	Ch. 9 - OS Downloa	20400
● 4.040	H	CHANNEL ONE	20400
● 4.040	H	411 RFA 1	20400
● 4.040	H	412 RFA 2	20400
● 4.040	H	413 RFA 3	20400
● 4.040	H	414 RFA 4	20400
● 4.040	H	Ch. 390, AS17-18, AS	20400
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
● 4.112	V	PTV-K FEED	9330
● 4.112	V	Ptv-K LAT	9330
● 4.112	V	INDUS NEWS	9330
● 4.112	V	Ptv National	9330
● 4.112	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

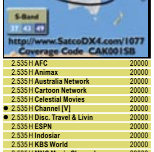
ASI03SSA



Freq GHz	Pol	Channel Name	Symbol rate
● 12.351	V	IRIB QURAN	30000
● 12.351	V	IRIB3	30000
● 12.351	V	IRIBAMOOZESH	30000
12.351	V	IRIBTV1	30000
12.351	V	IRIBTV2	30000
12.351	V	IRIBTV3	30000
12.351	V	IRIBTV4	30000
12.351	V	IRIBTV5	30000
● 12.351	V	IRINN	30000
● 12.351	V	PRESS TV	30000
● 12.351	V	SAHAR	30000
● 12.351	V	RADIO FARHANG	30000
● 12.351	V	RADIO IRAN	30000
● 12.351	V	RADIO JAVAN	30000
● 12.351	V	RADIO MAAREF	30000
● 12.351	V	RADIO PAYAM	30000
● 12.351	V	RADIO QURAN	30000
● 12.351	V	RADIO SEDAYE ASHN	30000
● 12.351	V	RADIO VARZESH	30000
● 12.378	V	IRIB TABAN	3100
● 12.382	V	HAMOON	3100
12.458	V	IRIB KERMAN	7600
● 12.465	V	TCP TEST	2895
12.469	V	TAMADON TV	2900

CAKRAWARTA 1
107.7 East

CAK001SB



Freq GHz	Pol	Channel Name	Symbol rate
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	Channel [V]	20000
● 2.535	H	Disc. Travel & Livin	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	NGC	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 Channel	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	Channel NewsAsia	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	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	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	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
● 3.580	H	Radio Test	28000
3.600	V	Data Service	25145
● 3.620	H	AFC	28000
● 3.620	H	Animax	28000
● 3.620	H	AXN	28000
● 3.620	H	BBC	28000
● 3.620	H	Celestial	28000
● 3.620	H	Discovery RT	28000
● 3.620	H	Discovery Travel	28000
● 3.620	H	Disney	28000
● 3.620	H	E!	28000
● 3.620	H	ESPN	28000
● 3.620	H	Fashion TV	28000
● 3.620	H	Hallmark	28000
● 3.620	H	HBO Signature	28000
● 3.620	H	Phoenix	28000
● 3.620	H	Ten Sport	28000
● 3.620	H	Telkomvision	28000
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
4.027	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

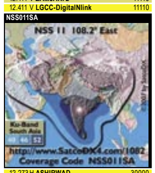
NSS011CH

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
12.611	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

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
12.273	H	ASHIRWAD	30000
● 12.273	H	{Empty}	30000
● 12.327	H	ASHIRWAD	5003
● 12.435	H	Ingest Broadcasting	2000
12.474	H	IP/DVB Service 900	3355
12.474	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	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

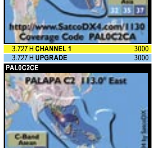
Freq GHz	Pol	Channel Name	Symbol rate
3.824	V	Human university	2100
4.067	V	K15 stero	5990
4.067	V	Lzh5 Rzh6	5990
4.067	V	Lzh8 Rdjy	5990
4.067	V	SW1 stero	5990
4.067	V	SW2 stero	5990
4.067	V	ZH1 stero	5990
4.067	V	ZH2 stero	5990
4.067	V	ZH3 stero	5990
4.067	V	ZH7 stero	5990
4.067	V	zh7-2 Stereo	5990

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-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

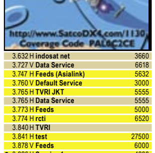
C-Band: PALAPA C2
112.9 East

PAL0C2CA



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

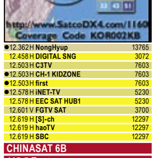
PAL0C2CE



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	6520
3.840	H	TVRI	
3.841	H	test	27500
3.878	Y	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	Antero	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

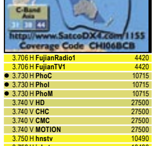
KOR002KB



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 KIDZONE	7603
● 12.503	H	first	7603
● 12.578	H	iNET-TV	5230
12.578	H	EEC SAT HUB1	5230
12.601	V	FGTV SAT	3700
12.619	H	[S]-ch	12297
12.619	H	haoTV	12297
12.619	H	SBC	12297

CHINASAT 6B
115.5 East

CHI06BCB



Freq GHz	Pol	Channel Name	Symbol rate
3.706	H	FujianRadio1	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
3.769	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 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-5	27500
3.880	H	CCTV-3	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	binhai	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	环球奇观	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
● 4.100	V	CCTV高清	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
4.171	H	CHINIC 8010	9200
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	C3TV	24080
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

THAICOM 1A
120.0 East

THA01ACR

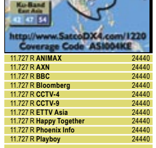
Freq GHz	Pol	Channel Name	Symbol rate
3.758	V	Laos TV	3033
3.758	V	Radio Laos	3033
3.855	V	CTN 1	5926
3.855	V	CTN 2	5926
3.886	V	Thai Society Channel	3000
3.916	V	BAYON/TKM, 2 Audio	3359
12.602	H	Test card	29000

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	2170
3.857	H	HN JJ	2170
3.857	H	HN JT	2170
3.857	H	HN LY	2170
3.857	H	HN NC	2170
3.857	H	HN XQ	2170
3.857	H	HN XW	2170
3.857	H	HN YSWZ	2170
3.857	H	HN YY	2170
3.857	H	MY Radio	2170
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	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	Happy Together	24440
11.727	R	Phoenix Info	24440
11.727	R	Playboy	24440

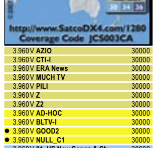
SINOSAT 3
125.0 East

SIN003CB

Freq GHz	Pol	Channel Name	Symbol rate
3.827	H	Guangxi TV	5720
3.845	H	Guangdong	17780
3.893	H	HLJ	6880
3.909	H	Jillin	8934
3.922	H	Yunnan	7250
3.933	H	Travel TV	6590
3.989	H	Xizang	5660
4.006	H	Liaoning	4420
4.080	H	CCTV	27500
4.120	H	XinJiang	27500
4.160	H	CCTV	27500

C-Band: JCSAT 3
128.1 East

JCS003CA



Freq GHz	Pol	Channel Name	Symbol rate
3.960	V	AZIO	30000
3.960	V	CTI-I	30000
3.960	V	ERA News	30000
3.960	V	MUCH TV	30000
3.960	V	PILI	30000
3.960	V	Z	30000
3.960	V	Z2	30000
3.960	V	AD-HOC	30000
3.960	V	BLTV-I	30000
● 3.960	V	GOOD2	30000
● 3.960	V	NULL_C1	30000
3.960	V	01_US New Songs & Ch	30000
3.960	V	02_US Popular Songs	30000
3.960	V	03_Sweet Love Songs	30000
3.960	V	04_50&60 Popular Hit	30000
3.960	V	05_R&B	30000
3.960	V	06_HIPHOP	30000
3.960	V	07_Party Music	30000
3.960	V	08_Rock Music	30000
3.960	V	09_Jazz Vocal	30000
3.960	V	10_Jazz Main Stream	30000
3.960	V	11_Lounge	30000
3.960	V	12_Enka	30000
3.960	V	13_Japanese Popular	30000
3.960	V	14_J&T Station	30000
3.960	V	15_Bossa Nova	30000
3.960	V	16_Classical	30000
3.960	V	17_Piano Easy Listen	30000
3.960	V	18_Crystal Music	30000
3.960	V	19_Soft Hearing	30000
3.960	V	20_Season Music	30000
3.960	V	21_Old Deck	30000
3.960	V	22_Chinese Best Sell	30000
3.960	V	23_Chinese Soft Song	30000
3.960	V	24_Chinese Classical	30000
3.960	V	25_Children Music	30000
3.960	V	26_Easy Listening	30000
3.960	V	27_Birthday Songs	30000
3.960	V	28_Wedding & Goodbye	30000
● 3.960	V	29_Sweet Love Channe	30000
3.960	V	30_POP Music	30000
3.960	V	31_3375	30000
3.960	V	32_Napoli	30000
3.960	V	33_KFC	30000
3.960	V	34_Audrey	30000
3.960	V	35_KF	30000
3.960	V	36_Crstal & Piano Mu	30000
3.960	V	37_Fashion Music	30000
3.960	V	38_Soft Music	30000
3.960	V	39_KG	30000
● 3.960	V	40_Asia Radio	30000
4.000	V	CTINews	30000
4.000	V	ETNews	30000
4.000	V	JET_I	30000
● 4.000	V	MEGA	30000
4.000	V	MTV	30000
● 4.000	V	NULL_C3	30000
● 4.000	V	PTV-2	30000
● 4.000	V	PTV-3	30000
4.000	V	STV	30000
4.000	V	UBN	30000
4.000	V	UBNNews	30000
4.000	V	DAAI	30000
4.000	V	MAC_TV	30000
4.000	V	Data1	30000
4.000	V	UFO	30000
4.120	V	GTV-27	30000
4.120	V	GTV-28	30000
4.120	V	GTV-41	30000
4.120	V	GTV-K	30000
4.120	V	SET-29	30000
4.120	V	SET-30	30000
4.120	V	SET-54	30000
4.120	V	SET-I	30000
4.120	V	FTV	30000
4.120	V	FTVN	30000

C-Band: APSTAR 6
134.0 East

APS006CB

Freq GHz	Pol	Channel Name	Symbol rate
● 3.840	H	Media Bridge	27500
● 3.840	H	TIME TV	27500

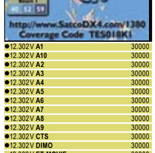
APSTAR 6
134.1 East

APS005K2

Freq GHz	Pol	Channel Name	Symbol rate
12.302	V	CNR	5990
● 12.302	V	GWL11R31	5990
● 12.302	V	K15 stero	5990
● 12.302	V	Lzh5 Rzh6	5990
● 12.302	V	Lzh8 Rdjy	5990
● 12.302	V	SW1 stero	5990
● 12.302	V	SW2 stero	5990
● 12.302	V	ZH1 stero	5990
● 12.302	V	ZH2 stero	5990
● 12.302	V	ZH3 stero	5990
● 12.302	V	ZH7 stero	5990
● 12.302	V	ZH7-2 stero	5990
● 12.355	V	CQTV	27500
● 12.355	V	GSTV	27500
● 12.355	V	GZTV	27500
● 12.355	V	HENTV	27500
● 12.355	V	HUNTV	27500
● 12.355	V	LIVE1	27500
● 12.355	V	NMTV	27500
● 12.355	V	QHTV	27500
● 12.355	V	SCTV	27500
● 12.355	V	SHXTV	27500
● 12.355	V	YNTV	27500
● 12.355	V	NMHR	27500
● 12.355	V	NMMR	27500
● 12.355	V	RAD_1	27500
● 12.355	V	RAD_2	27500
● 12.355	V	XJHR	27500
● 12.355	V	XJWR	27500
● 12.355	V	XZHR	27500
● 12.355	V	XZZR	27500
● 12.355	V	BisData	27500
● 12.395	V	CETV-1	27500
● 12.395	V	CETV-2	27500
● 12.395	V	CETV-Sky	27500
● 12.395	V	Reserve	27500
● 12.435	V	AXN	27500
● 12.435	V	CIN	27500
● 12.435	V	CNBC	27500
● 12.435	V	CNN	27500
● 12.435	V	DIS	27500
● 12.435	V	EAST	27500
● 12.435	V	ESPN	27500
● 12.435	V	HALL	27500
● 12.435	V	HBO	27500
● 12.435	V	NGC	27500
● 12.435	V	STAR1	27500
● 12.515	V	BBC	27500
● 12.515	V	CELES	27500
● 12.515	V	CETV	27500
● 12.515	V	CNAI	27500
● 12.515	V	CUBA	27500
● 12.515	V	HOR	27500
● 12.515	V	NHK	27500
● 12.515	V	NOW	27500
● 12.515	V	PHOE1	27500
● 12.515	V	TVB	27500
● 12.515	V	TVB8	27500
● 12.595	V	[V]	27500
● 12.595	V	BLOOM	27500
● 12.595	V	EUROS	27500
● 12.595	V	MAS	27500
● 12.595	V	MTV	27500
● 12.595	V	PHOEC	27500
● 12.595	V	PHOEN	27500
● 12.595	V	STARS	27500
● 12.595	V	SUN	27500
● 12.595	V	TV5	27500
● 12.595	V	XINGK	27500
● 12.621	V	SCOPUS-NET-TECH	5632
● 12.675	V	CUBA	27500
● 12.675	V	EAST	27500
● 12.675	V	KBS	27500
● 12.675	V	SUN	27500

TELSTAR 18
138.0 East

TES018K1



Freq GHz	Pol	Channel Name	Symbol rate
● 12.302	V	A1	30000
● 12.302	V	A10	30000
● 12.302	V	A2	30000
● 12.302	V	A3	30000
● 12.302	V	A4	30000
● 12.302	V	A5	30000
● 12.302	V	A6	30000
● 12.302	V	A7	30000
● 12.302	V	A8	30000
● 12.302	V	A9	30000
● 12.302	V	CTS	30000
● 12.302	V	DIMO	30000
12.302	V	ET-MOVIE	30000
12.302	V	FTV	30000
12.302	V	LS-TIME	30000
12.339	H	CA	10125
12.339	H	Int Table	10125
12.339	H	¦±´¼Æ»®	10125
12.339	H	®¶þÀÞºº	10125
12.339	H	ÂÆæ°ïÇÇÖÎ	10125
12.339	H	Ç¿ÔÎÀÊÓ	10125
12.339	H	Ú²¿ÈÊÊ¿	10125
12.339	H	çÓ°Í¶µÝ-1	10125
12.339	H	çÓ°Í¶µÝ-2	10125
12.339	H	ï»ÉÌÀÊÓ	10125
12.339	H	þÃÎÌÀÊÓ	10125
● 12.355	V	27-LUXE-TV-HD	43000
● 12.355	V	01-CCTV-1	43000
● 12.355	V	02-PHOENIX INFO	43000
● 12.355	V	03-PHOENIX CHANNE	43000
● 12.355	V	04-FASHION TV	43000
● 12.355	V	05-SUN TV	43000
● 12.355	V	06-MASTV	43000
● 12.355	V	07-ATV	43000
● 12.355	V	08-ATV	43000
● 12.355	V	09-TVB8	43000
● 12.355	V	10-TVB XINGHE	43000
● 12.355	V	11-TVBS	43000
● 12.355	V	12-TVBSG	43000
● 12.355	V	13-TVBSN	43000
● 12.355	V	14-MEGA MOVIE	43000
● 12.355	V	15-HALLLMARK CHAN	43000
● 12.355	V	16-ZHUJIANG	43000
● 12.355	V	17-CCTV-NEWS	43000
● 12.355	V	18-CMC	43000
● 12.355	V	19-CETV	43000
● 12.355	V	20-MTV	43000
● 12.355	V	21-CCTV-10	43000
● 12.355	V	22-LOVE TV	43000
● 12.355	V	23-CCTV	43000
● 12.355	V	24-CELESTIAL TV	43000
12.401	V	ET-ENTER	22425
12.401	V	SERVICE 1	22425
12.401	V	SERVICE 2	22425
12.401	V	TVBS	22425
12.401	V	TVBS-G	22425
● 12.401	V	BULLETIN BOARD	22425
12.401	V	EHSN-1	22425
12.401	V	EHSN-3	22425
12.401	V	EHSN-4	22425
12.401	V	EHSN-5	22425
12.401	V	SERVICE	22425
12.401	V	VIVA	22425

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
12.430 V	AXN	22425
12.430 V	LOOK TV	22425
12.430 V	NOVEL CHANNEL	22425
12.430 V	RAINBOW MOVIE	22425
12.430 V	RAINBOW-E	22425
12.430 V	TEST	22425
12.430 V	TVB-8	22425
12.430 V	WORLD FASHION	22425
12.430 V	XINGHE	22425
12.430 V	TOP	22425
12.430 V	TOP 2	22425
●12.490 V	25-CCTV	21593
●12.490 V	26-CCTV	21593
●12.490 V	27-GOAL TV	21593
12.490 V	28-CCTV	21593
●12.490 V	28-TVBJ	21593
●12.490 V	29-MBA	21593
●12.490 V	30-CHINA FOOD CHA	21593
●12.490 V	31-CHANNEL NEW AS	21593
●12.490 V	32-CCTV FINANCE C	21593
●12.490 V	33-	21593
●12.490 V	00-BILLBOARD	21593
12.538 V	BEIJING	41250
12.538 V	CCTV 4	41250
12.538 V	CCTV 9	41250
12.538 V	CCTV OPERA	41250
12.538 V	FUJIAN	41250
12.538 V	GUANGDONG	41250
12.538 V	HUNAN	41250
12.538 V	JIANGSU	41250
12.538 V	SHANGHAI	41250
12.538 V	SHENZHENG	41250
12.538 V	XIAMEN	41250
12.598 V	Asia Plus	43000
12.598 V	AXN	43000
12.598 V	Cartoon NetWk	43000
12.598 V	CEN	43000
12.598 V	Channel 18	43000
12.598 V	Discovery	43000
12.598 V	Entertainment	43000
12.598 V	Finance Info Ch	43000
12.598 V	Live News Ch	43000
12.598 V	Movies 1	43000
12.598 V	News Channel	43000
12.598 V	NGC	43000
12.598 V	Odds Express	43000
●12.646 V	P10	22425
●12.646 V	P1	22425
●12.646 V	P2	22425
●12.646 V	P3	22425
●12.646 V	P4	22425
●12.646 V	P5	22425
●12.646 V	P6	22425
●12.646 V	P7	22425
●12.646 V	P8	22425
●12.646 V	P9	22425
12.685 V	CBA	3000
12.720 V	BBC World	43000
●12.720 V	Ch63	43000
12.720 V	CNBC HK	43000
12.720 V	CNN	43000
12.720 V	Discovery T&L	43000
12.720 V	HMC 1	43000
12.720 V	i-CABLE Sports	43000
12.720 V	KBS World	43000
●12.720 V	Live News Ch	43000
●12.720 V	Macau Channel	43000
12.720 V	NBA TV	43000
12.720 V	PGA Tour	43000
12.720 V	Soccer Betting	43000
12.720 V	Super Soccer	43000
12.720 V	HUMAX DOWNLOAD SV	43000

C-Band: TELSTAR 18
138.1 East

APS005CB

Freq GHz Pol	Channel Name	Symbol rate
3.600 V	13 亞視本塔港台	30000
3.600 V	15 PTS 公視	30000
3.600 V	16 MEGA 電影台	30000
3.600 V	17 ETTV-N 東森新聞台	30000
3.600 V	18 ETTV-Asia 東森亞州台	30000
3.600 V	19 TTV WORLD 台視國際台	30000
3.600 V	20 JET日本台	30000
3.600 V	21 ETYoYo 東森幼幼美州台	30000
3.600 V	22 Test1	30000
3.600 V	23 Test2	30000
3.600 V	24 Test3	30000
3.600 V	25 Test4	30000
3.600 V	14 TZUCHI 慈濟大愛	30000
3.660 V	01 AfaTV華人商業TTV台視	30000
3.660 V	02 CTV 中視	30000
3.660 V	03 CTS 華視	30000
3.660 V	04 FTV 民視	30000
3.660 V	05 FTVN 民視新聞	30000
● 3.660 V	06 Uplink 1	30000
● 3.660 V	07 Uplink 2	30000
● 3.660 V	08 Uplink 3	30000
3.660 V	09 中視my life 亞洲旅遊	30000
3.660 V	10 SETI 三立國際	30000
3.660 V	11 CTI-I中天亞洲台	30000
3.660 V	12 HollywoodMovie好萊塢	30000
● 3.664 H	Channel 11	3617
3.664 H	Test Channel	3617
3.804 V	LTV	3034
3.867 H	vsat	4290
● 3.867 H	±êÇâÒµÎñ101	4290
3.867 H	prg3	4290
● 3.867 H	,ßÇâÒµÎñ102	4290
● 3.867 H	Î³Ò»Éý¼¶	4290
4.124 V	Test Channel	3255
4.124 V	BBC Arabic	3255
4.124 V	BBC English (E Asi	3255
4.124 V	BBC English (S Asi	3255
4.124 V	BBC English Aus NZ	3255
4.124 V	BBC English News	3255
4.124 V	BBC Mandarin	3255
4.124 V	BBC Pac Feed 1	3255

EXPRESS AM3
140.0 East

EXPAM3C6

Freq GHz Pol	Channel Name	Symbol rate
3.576 R	Magadan	4285
3.627 R	Duble2+GTRK CAXA	4340
3.633 R	AZIMUT-V	4340
3.675 R	Duble-1+RRD1	33470
3.675 R	Duble-2+RRD2	33470
3.675 R	Orbita-1R+Mayak	33470
3.675 R	Orbita-2R+Yunost	33470
3.675 R	Sport	33470
3.675 R	Kultura-1	33470
3.675 R	NTV7	33470
3.675 R	Radio Mayak	33470
3.675 R	Radio RussiaD1	33470
3.730 R	MATBEEBKA	3199

EXPAM3KU

Freq GHz Pol	Channel Name	Symbol rate
●10.981 V	FNS	29812
10.981 V	MuzTV_Love	29812
●11.104 V	Yakutia	5789

SUPERBIRD C
144.0 East

SUP00CJH

Freq GHz Pol	Channel Name	Symbol rate
12.523 H	AMX	21096
12.523 H	AXN	21096
12.523 H	CNN International	21096
12.523 H	CTN	21096
12.523 H	EPG Channel Guide	21096
12.523 H	FAM	21096
12.523 H	FOX	21096
12.523 H	Gaora	21096
12.523 H	Golf Network	21096
12.523 H	HTR	21096
12.523 H	Music Air Networks	21096
12.523 H	SPC	21096
12.523 H	SPI	21096
12.523 H	SSW	21096
12.523 H	E11	21096
12.553 H	FIV	21096
12.553 H	FOD	21096
12.553 H	KAR	21096
12.553 H	M21	21096
12.553 H	NGC	21096
12.553 H	ST1	21096
12.553 H	ST2	21096
12.553 H	ST3	21096
12.553 H	TAB	21096
12.553 H	E71	21096
12.583 H	EPG Channel Guide	21096
12.583 H	J Sky Sports 2	21096
12.583 H	J Sky Sports 3	21096
12.583 H	Viewsic	21096
12.583 H	{Empty Name}	21096
12.613 H	BBG	21096
12.613 H	DS1	21096
12.613 H	DS2	21096
12.613 H	JNN	21096
12.613 H	KMC	21096
12.613 H	MTR	21096
12.613 H	QVC	21096
12.613 H	TBS	21096
12.613 H	VPR	21096
12.613 H	E51	21096
12.643 H	BBC	21096
12.643 H	GAO	21096
12.643 H	IGO	21096
12.643 H	JS2	21096
12.643 H	JS3	21096
12.643 H	KID	21096
12.643 H	NBC	21096
12.643 H	SHP	21096
12.643 H	VSC	21096
12.643 H	E31	21096

SUP00CJV

Freq GHz Pol	Channel Name	Symbol rate
12.305 V	Feed	5275
12.597 V	Radio	21096
12.628 V	Test Card	21096
12.718 V	FOX Japan	21096
12.718 V	GMA International	21096
12.718 V	Thai TV Channel 3	21096
12.718 V	The Mabuhay Channel	21096
12.718 V	Dream FM 106.7	21096
12.718 V	DZBB 594 Super Rad	21096
12.718 V	PBS Sport	21096

SUP00CKA

Freq GHz Pol	Channel Name	Symbol rate
12.683 V	Feeds (CTS)	3400
12.688 V	Da Ai	2900
12.688 V	DAAI-TV	2900
12.693 V	CTS IQ Channel	2000
12.698 V	CTS	1780

AGILA 2
146.0 East

AGI002CA

Freq GHz Pol	Channel Name	Symbol rate
3.645 H	Test	1171
3.671 V	Feeds	1851
3.679 V	Data service	26661
3.808 V	Living Asia	3000
3.810 V	Chat TV 1	4300
3.810 V	ST_Channel	4300
3.834 H	testing	2612
3.834 H	Viva Prime	2612
3.837 V	Channel 11	2300
3.854 H	TCT WORLD	2602
3.870 H	ABC 5	3356
3.875 H	NBN PHILIPPINES	3000
3.885 H	RPN 9	3000
3.892 H	Channel 11	5425
3.892 H	Church Channel	5425
3.892 H	Data service	5425
3.913 V	ACQ-KBN	2200
3.913 V	Data Service	2200
3.970 V	AAVIS 1	12406
3.985 H	Kabayan TV	2000
3.985 H	apexcom1	2000
3.985 H	apexcom2	2000
3.985 H	apexcom3	2000
3.989 V	Ch. 1	5000
4.040 H	TELERED TEST	3009
4.050 H	Data Servicde	5359
4.092 H	IBC13	9760
4.092 H	Solar Sports	9760
4.092 H	Solar USA	9760
4.092 H	DZAS	9760
4.165 V	ACQ TV TEST BRDCS	3735
4.165 V	FAMILYLAND TV	3735
4.165 V	{Empty Name}	3735
4.165 V	TEST BRDCST	3735
4.185 V	TOP-CHNL	2169
4.188 V	UNTV-37	2170
4.190 V	NBN	3250
4.192 V	Isat Feeds	2169

AGI002KP

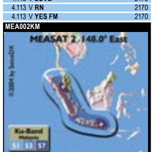
Freq GHz Pol	Channel Name	Symbol rate
12.301 H	ABC 5	25600
12.301 H	ABS-CBN 2	25600
12.301 H	e-Talk	25600
12.301 H	GMA 7	25600
12.301 H	IBC 13	25600
12.301 H	MTV Phil	25600
12.301 H	NBN 4	25600
12.301 H	RPN 9	25600
12.301 H	Studio 23	25600
12.301 H	Mabuhay Channel	25600
12.301 H	106 Dream FM	25600
12.301 H	BBC Radio	25600
12.301 H	CMN Radio	25600
12.301 H	Crossroads	25600
12.301 H	DREAM ROCK	25600
12.301 H	DWNU FM	25600
12.301 H	EDGE Radio	25600
12.301 H	I FM	25600
12.301 H	RJ 100	25600
12.301 H	RMN News AM	25600
12.301 H	DAW SW DL	25600
12.301 H	Elle Astrology	25600
12.301 H	Elle Beauty	25600
12.301 H	IP Data Broadcast	25600
12.301 H	M@gic Games	25600
12.301 H	M_D@ily	25600
12.301 H	NewsCast	25600
12.301 H	Nokia SW DL	25600
●12.501 H	Boss uplink A	30000
12.541 H	2nd Avenue	25600
12.541 H	Animal Planet	25600
12.541 H	Cinemax	25600
12.541 H	CNBC	25600
12.541 H	Deutsche Welle	25600
12.541 H	Discovery T & L	25600
12.541 H	ESPN	25600
12.541 H	ETC	25600
●12.541 V	FLIP2	26000
12.541 H	HBO	25600
12.541 H	MBC Korea	25600
12.541 H	National Geographic	25600
12.541 H	Solar Sports	25600
12.541 H	Star Movies	25600
12.541 H	TCM	25600
●12.541 V	AMA Channel	26000
●12.541 V	Flip TV	26000
12.541 V	Jollibee TV	26000
●12.541 V	Karaoke TV	26000
●12.541 V	MAX TV	26000
●12.541 V	MSC-SNG	26000
12.541 V	RJ TV	26000
●12.541 V	Beat Box	26000
12.541 V	GV AM 792	26000
●12.541 V	GV FM 99.1	26000
12.541 V	Jollibee R1	26000
●12.541 V	MAGIC89.9	26000
●12.541 V	RadioMaria	26000
●12.541 V	RJ FM	26000
12.541 V	DATA	26000
12.581 H	Animax	25600
●12.581 H	Australia Network	25600
12.581 H	AXN	25600
12.581 H	BBC World	25600
12.581 H	Cartoon Network	25600
12.581 H	CNN	25600
12.581 H	Discovery	25600
12.581 H	Dream Cinema	25600
12.581 H	Hallmark	25600
12.581 H	Living Asia	25600
12.581 H	Nickelodeon	25600
12.581 H	Star Sports	25600
12.581 H	Star World	25600
12.581 H	TV Maria	25600
12.661 H	Animax	25600
12.661 H	CNN	25600
12.661 H	DCinema 1	25600
12.661 H	DCinema 2	25600
12.661 H	ESPN	25600
12.661 H	etc	25600
12.661 H	Hallmark	25600
12.661 H	MBC Korea	25600
12.661 H	Nat Geo	25600
12.661 H	Nat Geo Adventure	25600
12.661 H	Nickelodeon	25600
12.661 H	Solar Sports	25600
12.661 H	Star Sports	25600
12.661 H	Smile of a Child	25600

MEASAT 2
148.0 East

MEA002CB

Freq GHz Pol	Channel Name	Symbol rate
3.725 V	GMA7 Manila	13432
3.725 V	International 1	13432
3.725 V	International 1 - AC	13432
3.725 V	International 2	13432
3.725 V	QTV 11	13432
4.113 V	TV NATIN	2170
4.113 V	BEAT	2170
4.113 V	DZRH	2170
4.113 V	HOT FM	2170
4.113 V	KIDS FM	2170
4.113 V	LOVE	2170
4.113 V	RN	2170
4.113 V	YES FM	2170

MEA002KM



Freq GHz Pol	Channel Name	Symbol rate
●11.537 H	AUSTRALIAN NW	35500
●11.537 H	BIBI	35500
●11.537 H	DISNEY	35500
●11.537 H	GOALTV1	35500
●11.537 H	GOALTV2	35500
11.537 H	HALLMARK	35500
●11.537 H	HTV	35500
●11.537 H	INFO-TV	35500
●11.537 H	MTV ASIA	35500
●11.537 H	THIEN ANH	35500
11.537 H	VCTV1	35500
11.537 H	VCTV2	35500
11.537 H	VCTV3	35500
11.537 H	VCTV4	35500
11.537 H	VCTV6	35500
11.537 H	VCTV7	35500
●11.537 H	VTV1	35500
●11.537 H	VTV2	35500
●11.537 H	VTV3	35500
●11.537 H	VTV4	35500
●11.537 H	VTV5	35500
●11.537 H	VTV6	35500
11.537 H	VOV1	35500
11.537 H	VOV3	35500
11.537 H	OTA Opentech	35500
11.537 H	STB Opentech	35500
12.407 H	ASTRO SUPERSPORT	30000
12.407 H	ASTRO WAH LAI TOI	30000
12.407 H	ASTRO XPRESI	30000
12.407 H	CARTOON NTWK	30000
12.407 H	CCTV-9	30000
12.407 H	DISNEY	30000
12.407 H	GOAL TV1	30000
12.407 H	HBO	30000
12.407 H	PLAYHOUSE	30000
12.407 H	STAR WORLD	30000
12.407 H	TVB XING HE	30000
12.407 H	ZEE	30000
12.470 H	ASTRO ARUNA	30000
12.470 H	ASTRO KIRANA	30000
12.470 H	ASTRO TVIQ	30000
12.470 H	GOAL TV2	30000
12.470 H	NATIONAL GEOGRAPH	30000
12.470 H	NHK WORLD	30000
12.470 H	PHOENIX	30000
12.470 H	STAR MOVIES	30000
12.470 H	STAR SPORTS	30000
●12.470 H	ALJAZEERA INTERNA	30000
12.470 H	ASTRO SHUANG XING	30000
12.470 H	DISCOVERY	30000
12.470 H	NICKELODEON	30000
12.532 H	ANIMAL PLANET	30000
12.532 H	ANIMAX	30000
12.532 H	ASTRO AWANI	30000
12.532 H	ASTRO CERIA	30000
●12.532 H	ASTRO OASIS	30000
12.532 H	BLOOMBERG	30000
12.532 H	CELESTIAL MOVIES	30000
12.532 H	CHANNEL [V]	30000
12.532 H	CINEMAX	30000
12.532 H	ESPN	30000
12.532 H	INDOSIAR	30000
12.532 H	WA TV	30000
12.594 H	AXN	30000
12.594 H	BBC WORLD	30000
12.594 H	CCTV-4	30000
12.594 H	CNN	30000
12.594 H	DISCOVERY TRAVEL	30000
12.594 H	E! ENTERTAINMENT	30000
12.594 H	METRO TV	30000
12.594 H	MTV ASIA	30000
12.594 H	SCTV	30000
12.594 H	TRANS 7	30000
12.594 H	TRANS TV	30000
12.594 H	TVRI	30000

OPTUS B3
152.0 East

OPT0B3KA

Freq GHz Pol	Channel Name	Symbol rate
12.407 V	BTV2	30000
12.407 V	BTV3	30000
12.407 V	CLK	30000
12.407 V	SKY1	30000
12.407 V	SKY2	30000
12.407 V	SKY3	30000
12.407 V	SKY4	30000
12.407 V	SKY5	30000
12.407 V	SKY6	30000
12.407 V	SKY7	30000
12.407 V	SKY8	30000
12.407 V	TUNE 152°E	30000
12.407 V	QTAB	30000
12.407 V	Retail R1	30000
12.407 V	Retail R2	30000
12.407 V	Retail R3	30000
12.407 V	Retail R4	30000
12.407 V	Retail R5-6	30000
12.407 V	SKY Radio1	30000
12.407 V	Sport 927	30000
12.407 V	.	30000
●12.525 V	Deepam	30000
12.525 V	KTV Tamil	30000
12.525 V	SUN TV	30000
12.525 V	TTV	30000
12.525 V	3ABN	30000
12.525 V	Abu Dhabi	30000
12.525 V	DMC	30000
12.525 V	DUNA	30000
12.525 V	ERT	30000
12.525 V	EWTN	30000
12.525 V	Hope Channel	30000
12.525 V	Kurdsat	30000
●12.525 V	Oman TV	30000
12.525 V	Russia Today	30000
12.525 V	TGN	30000
12.525 V	TVRI	30000
12.525 V	Suryan FM	30000
12.525 V	2CR	30000
12.525 V	3ABN Radio	30000
12.525 V	ATBC Tamil	30000
12.525 V	Bangkok FM94	30000
12.525 V	Emirates FM	30000
12.525 V	In Direct Romania	30000
12.525 V	KISS FM	30000
12.525 V	Net 105.8	30000
12.525 V	Oman Radio	30000
12.525 V	UCB Radio	30000
12.658 V	Picture Of Croatia	30000
12.658 V	VA NDTV	30000
12.658 V	VA SET Max	30000
12.658 V	VA Sony Ent TV	30000
12.658 V	VA Star Plus	30000
12.658 V	VA Zee TV	30000
12.658 V	BVN	30000
12.658 V	Church TV	30000
12.658 V	Daystar	30000
12.658 V	GOD TV	30000
12.658 V	Inspiration	30000
12.658 V	JCTV	30000
12.658 V	Smile of a Child	30000
12.658 V	Trinity	30000
12.658 V	TRT Int	30000
12.658 V	ABS Radio	30000
12.658 V	Tarana	30000
12.658 V	Vietnamese Radio	30000
12.658 V	Voice of Croatia	30000
12.658 V	DMX Music	30000
12.658 V	Kossuth Radio	30000
12.658 V	Overcomer Radio	30000
12.658 V	Radyo-2	30000
12.658 V	Raw FM	30000
12.658 V	RNW1	30000
12.658 V	RNW2	30000
12.658 V	RNW3	30000
12.658 V	RVI-1	30000
12.658 V	SNG 1FB	30000
12.658 V	Tamil Radio	30000
12.658 V	TSR Turkce	30000
12.658 V	VOT World	30000

OPT0B3KH

Freq GHz Pol	Channel Name	Symbol rate
●12.425 H	4E	22500
●12.425 H	AJI	22500
●12.425 H	ALSH	22500
12.425 H	Arabic Network of Au	22500
●12.425 H	BAGD	22500
●12.425 H	BHTV	22500
●12.425 H	CDF	22500
●12.425 H	CHV	22500
●12.425 H	DSPT	22500
●12.425 H	DTV	22500
●12.425 H	KAN7	22500
●12.425 H	MAZZ	22500
●12.425 H	AGPY	22500
●12.425 H	ITN	22500
●12.613 H	ALPH	22500
●12.613 H	CEST	22500
●12.613 H	CINL	22500
●12.613 H	COLM	22500
●12.613 H	MEGA	22500
●12.613 H	PELI	22500
●12.613 H	RITL	22500
12.613 H	SKY 1	22500
●12.613 H	TEFE	22500
●12.613 H	TNOV	22500
●12.613 H	TVE	22500
●12.613 H	ERT	22500
●12.613 H	KTV	22500
●12.613 H	SCTV	22500
●12.613 H	BHTR	22500
●12.613 H	CITY	22500
●12.613 H	FARD	22500
●12.613 H	MRT	22500
●12.613 H	R37	22500
●12.613 H	R38	22500
●12.613 H	R41	22500
●12.613 H	R47	22500
●12.613 H	R48	22500
●12.613 H	R82	22500
●12.613 H	RDPR	22500
●12.613 H	ROSA	22500
●12.640 H	ALYM	22500
●12.640 H	ANA	22500
●12.640 H	CIN1	22500
12.640 H	ESPN	22500
●12.640 H	INFY	22500
●12.640 H	MSLT	22500
●12.640 H	MWER	22500
●12.640 H	NDM	22500
●12.640 H	NEWT	22500
●12.640 H	NNEW	22500
●12.640 H	NVAR	22500
●12.640 H	PARS	22500
●12.640 H	ROTC	22500
●12.640 H	RTPI	22500
●12.640 H	R100	22500
●12.640 H	R102	22500
●12.640 H	R103	22500
●12.640 H	R104	22500
●12.640 H	R105	22500
●12.640 H	R106	22500
●12.640 H	R107	22500
●12.640 H	R108	22500
●12.640 H	R110	22500
●12.640 H	R111	22500
●12.640 H	R112	22500
●12.640 H	R109	22500
●12.674 H	ALMJ	22500
●12.674 H	ESC	22500
●12.674 H	HEYA	22500
●12.674 H	JSC	22500
12.674 H	MGM	22500
●12.674 H	ROTM	22500
●12.674 H	ROTT	22500
●12.674 H	ROTZ	22500
●12.674 H	SAT7	22500
●12.674 H	SHRQ	22500
●12.674 H	SIC	22500
●12.674 H	TASH	22500
●12.674 H	TLBN	22500
●12.674 H	TVS	22500
●12.674 H	BCFM	22500
●12.674 H	BTFM	22500
●12.674 H	ESFM	22500
●12.674 H	ISFM	22500
●12.674 H	KRAL	22500
●12.674 H	R113	22500
●12.674 H	R115	22500
●12.674 H	R23	22500
●12.674 H	R24	22500
●12.674 H	RADD	22500
●12.674 H	SRFM	22500
●12.674 H	2ME	22500

Freq GHz Pol	Channel Name	Symbol rate
●12.394 H	ALTG	22500
●12.394 H	BOM	22500
●12.394 H	DYES	22500
●12.394 H	HYAT	22500
●12.394 H	K15	22500
●12.394 H	MAD	22500
●12.394 H	MKTV	22500
●12.394 H	PLAN	22500
●12.394 H	RIKS	22500
●12.394 H	RTCG	22500
●12.394 H	SIG	22500
●12.394 H	STAR	22500
●12.394 H	INFO	22500
●12.394 H	R49	22500
●12.394 H	R50	22500
●12.394 H	R51	22500
●12.394 H	R52	22500
●12.394 H	R53	22500
●12.394 H	R54	22500
●12.394 H	R55	22500
●12.394 H	R56	22500
●12.394 H	R58	22500
●12.394 H	R59	22500
●12.394 H	NTC	22500
●12.581 H	ALNA	22500
●12.581 H	ATV	22500
●12.581 H	EURD	22500
●12.581 H	EURS	22500
●12.581 H	IRQY	22500
●12.581 H	JAJM	22500
●12.581 H	KRAL	22500
●12.581 H	LATV	22500
●12.581 H	NTV	22500
●12.581 H	STV	22500
●12.581 H	TRTI	22500
●12.581 H	TVGL	22500
●12.581 H	VZYN	22500
●12.581 H	ALFM	22500
●12.581 H	ATNA	22500
●12.581 H	COG	22500
●12.581 H	ERAS	22500
●12.581 H	FERA	22500
●12.581 H	MELO	22500
●12.581 H	MGF	22500
●12.581 H	MRL	22500
●12.581 H	OFM	22500
●12.581 H	RAUS	22500
●12.581 H	SOHO	22500
●12.581 H	THES	22500
●12.706 V	ITVN	22500
●12.706 V	Setanta Sports	22500
●12.706 V	TV Polonia	22500
●12.706 V	TVK 1	22500
●12.706 V	TVK 2	22500
●12.706 V	TVN Racing	22500
●12.706 V	Aghapy	22500
●12.706 V	Al Forat	22500
●12.706 V	AON	22500
●12.706 V	CMC	22500
●12.706 V	Press TV	22500
●12.706 V	SMTV	22500
●12.706 V	Narodni Radio	22500
●12.706 V	Radio Polskie	22500
●12.706 V	Cronat Radio	22500
●12.706 V	GCA Adhoc	22500
●12.706 V	IFB	22500
●12.706 V	RFI	22500
●12.706 V	Tamil Radio	22500

JCSAT 2A
154.0 East

JCS02AKJ

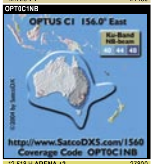
Freq GHz Pol	Channel Name	Symbol rate
12.310 H	Agonsyu	3515
12.688 V	S-Net package	21096
12.700 H	AG Net	5275

OPTUS C1
156.0 East

OPT0C1NA

Freq GHz Pol	Channel Name	Symbol rate
12.305 H	ABC	30000
12.305 H	AITV05	30000
12.305 H	SBS	30000
12.305 H	EXPO	30000
12.305 H	air	30000
12.305 H	EPG	30000
12.305 H	GamesWorld	30000
12.305 H	Play	30000
12.305 H	AITV100	30000
12.305 H	AITV71	30000
12.305 H	AITV72	30000
12.305 H	AITV96	30000
12.305 H	AITV97	30000
12.305 H	AITV98	30000
12.305 H	AITV99	30000
12.305 H	Boot	30000
12.305 H	Mind	30000
12.305 H	MindGames	30000
12.305 H	Playin'TV	30000
12.305 H	The Arcade	30000
12.305 H	Tune	30000
12.358 H	Cartoon	27800
12.358 H	Discovery	27800
12.358 H	Fox Sports 3	27800
12.358 H	Hallmark	27800
12.358 H	History	27800
12.358 H	Movie Extra	27800
12.358 H	Movie Greats	27800
12.358 H	Nat Geo	27800
12.358 H	Nickelodeon	27800
12.358 H	Show Greats	27800
●12.358 H	Spr	27800
12.358 H	World Movies	27800
12.367 V	ABC	27800
12.367 V	ACC	27800
12.367 V	NITV	27800
12.367 V	SBS	27800
12.367 V	SBS News	27800
12.367 V	Setanta Sports	27800
12.367 V	TVN	27800
12.367 V	720ABCPerth	27800
12.367 V	ABC Classic	27800
12.367 V	ABC Goldflds	27800
12.367 V	ABCLocal WA	27800
●12.367 V	ABCRadioNat	27800
12.367 V	SBS AM	27800
12.367 V	SBS FM	27800
12.398 H	Animal Planet	27800
12.398 H	Antenna	27800
●12.398 H	Bio.	27800
12.398 H	Bloomberg	27800
12.398 H	CNN	27800
12.398 H	ESPN	27800
●12.398 H	Food	27800
12.398 H	FOX News	27800
12.398 H	RAI	27800
●12.398 H	Showcase	27800
12.398 H	TWC	27800
12.398 H	Weather	27800
12.398 H	WEATHER ACTIVE	27800
●12.398 H	Ant1 Radio	27800
●12.398 H	RAI Radio	27800
12.438 H	bars	27800
12.438 H	FBOB	27800
12.438 H	Playhouse	27800
12.438 H	Sky News	27800
12.438 H	SKY NEWS ACTIVE	27800
12.438 H	Help	27800
12.438 H	iEPG Video Satellite	27800
12.438 H	{Empty}	27800
12.438 H	Ch998 Modem Test App	27800
12.438 H	SWDL Satellite (ND	27800
12.447 V	AUSA	27800
12.447 V	SPA	27800
12.447 V	SPB	27800
12.447 V	SPH	27800
12.447 V	SPM	27800
12.447 V	SPW	27800
12.447 V	Arcade	27800
12.447 V	Gamesworld	27800
12.447 V	GAMESWORLD	27800
12.447 V	Mindgames	27800
12.447 V	PickNPlay	27800
●12.478 H	Boomerang	27800
12.478 H	Fox Sports 1	27800
12.478 H	Fox Sports 2	27800
12.478 H	FOX SPORTS NEWS A	27800
12.478 H	FoxSportsNews	27800
12.478 H	FS1	27800
12.478 H	FSNA	27800
12.478 H	Main Event	27800
12.478 H	Ovation	27800
12.478 H	SATest	27800
●12.478 H	Sky Business	27800
12.478 H	Sky Racing	27800
●12.478 H	Spare	27800
12.478 H	SPORT SELECTOR	27800
12.478 H	SportSelector	27800
●12.478 H	Spr	27800
12.478 H	TVSN	27800
●12.487 V	Channel 10	27800
12.487 V	Channel 9	27800
12.607 V	ACC	27800
12.607 V	FB06	27800
12.607 V	FB07	27800
12.607 V	FB07 test	27800
12.607 V	FB08	27800
12.607 V	FB19	27800
12.607 V	FB20	27800
12.607 V	FB21	27800
12.607 V	FB22	27800
12.607 V	FB23	27800
12.607 V	FB24	27800
12.647 V	Adults Only 1	27800
12.647 V	Adults Only 2	27800
12.647 V	AO2 test	27800
●12.647 V	CNBC	27800
12.647 V	EXPO	27800
12.647 V	FB09	27800
12.647 V	FB10	27800
12.647 V	FB11	27800
12.647 V	FB12	27800
12.647 V	FB25	27800
12.647 V	FB26	27800
12.728 V	ABC TV NT	24450
12.728 V	ABC TV Q	24450
12.728 V	ABC TV SA	24450
12.728 V	ABC TV SE	24450
12.728 V	ABC FM NT	24450
12.728 V	ABC FM Q	24450
12.728 V	ABC FM SA	24450
12.728 V	ABC FM SE	24450
12.728 V	ABC JJJ	24450
12.728 V	ABC PNN	24450
12.728 V	ABC RN NT	24450
12.728 V	ABC RN Q	24450
12.728 V	ABC RN SA	24450
12.728 V	ABC RN SE	24450
12.728 V	ABC RR AS	24450
12.728 V	ABC RR NQ	24450
12.728 V	ABC RR NT	24450
12.728 V	ABC RR Q	24450
12.728 V	ABC RR SA	24450
12.728 V	ABC RR SE	24450
12.728 V	ABC RR V	24450
12.728 V	.	24450

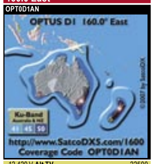
OPT0C1NB



Freq GHz Pol	Channel Name	Symbol rate
12.518 H	ARENA +2	27800
12.518 H	Classics +2	27800
12.518 H	Comedy +2	27800
12.518 H	FOX8 +2	27800
12.518 H	LifeStyle +2	27800
12.518 H	Movie Two	27800
●12.518 H	Showtime +2	27800
●12.518 H	Spr	27800
12.518 H	TV1 +2	27800
12.518 H	UKTV +2	27800
12.518 H	W2	27800
12.527 V	ABC TV WA	30000
12.527 V	GWN TV	30000
12.527 V	IMP TV	30000
12.527 V	SBS SA	30000
12.527 V	WIN	30000
12.527 V	WLK	30000
12.527 V	NITV	30000
12.527 V	2CUZ	30000
12.527 V	5PY	30000
12.527 V	8HA	30000
12.527 V	990 AM	30000
12.527 V	ABC FM WA	30000
12.527 V	ABC RN WA	30000
12.527 V	ABC RR WN	30000
12.527 V	ABC RR WS	30000
12.527 V	Caama	30000
12.527 V	GUM- ALA	30000
12.527 V	PAK- AM	30000
12.527 V	PAW	30000
12.527 V	SBS R SA	30000
12.527 V	Teab- ba	30000
12.527 V	ARDS	30000
12.527 V	Arrow	30000
12.527 V	Mulba	30000
12.527 V	RABS TONE	30000
12.527 V	SMA BUS6	30000
12.527 V	SMA BUS7	30000
12.527 V	.	30000
12.558 H	AREN	27800
12.558 H	ARENA	27800
12.558 H	Comedy	27800
12.558 H	Disney	27800
12.558 H	FOX Classics	27800
12.558 H	FOX8	27800
12.558 H	LifeStyle	27800
12.558 H	Movie One	27800
12.558 H	Showtime	27800
●12.558 H	Spare	27800
12.558 H	TV1	27800
12.558 H	UKTV	27800
12.558 H	W	27800
12.567 V	AURORA	27800
12.567 V	FB01	27800
12.567 V	FB02	27800
12.567 V	FB02 test	27800
12.567 V	FB03	27800
12.567 V	FB04	27800
12.567 V	FB13	27800
12.567 V	FB14	27800
12.567 V	FB15	27800
12.567 V	FB16	27800
12.567 V	FB17	27800
12.567 V	FB18	27800
12.598 H	BBC World	27800
12.598 H	Channel [V]	27800
●12.598 H	CI	27800
●12.598 H	FUEL TV	27800
●12.598 H	How To	27800
12.598 H	MAX	27800
12.598 H	MTV	27800
12.598 H	SCI FI	27800
12.598 H	Sky News	27800
12.598 H	SkyN	27800
12.598 H	TCM	27800
●12.598 H	Vh1	27800
12.598 H	{Empty}	27800
12.607 V	FB05	27800
12.638 H	BOX	27800
12.638 H	Box Office	27800
12.638 H	Channel [V]2	27800
12.638 H	Country Music	27800
12.638 H	Disc Health	27800
●12.638 H	Disc Science	27800
●12.638 H	Disc Travel	27800
●12.638 H	E!	27800
12.638 H	Eurosportnews	27800
12.638 H	FTV	27800
12.638 H	NG Adventure	27800
●12.638 H	Nick Jr	27800
12.638 H	AIR01	27800
12.638 H	AIR02	27800
12.638 H	AIR03	27800
12.638 H	AIR04	27800
12.638 H	AIR05	27800
12.638 H	AIR06	27800
12.638 H	AIR07	27800
12.638 H	AIR08	27800
12.638 H	AIR09	27800
12.638 H	AIR10	27800
12.638 H	AIR11	27800
12.638 H	AIR12	27800
12.638 H	AIR13	27800
12.638 H	AIR14	27800
12.638 H	AIR15	27800
12.638 H	AIR16	27800
12.638 H	AIR17	27800
12.638 H	AIR18	27800
12.638 H	AIR19	27800
12.638 H	AIR20	27800
12.638 H	AIR21	27800
12.638 H	AIR22	27800
12.638 H	AIR23	27800
12.638 H	AIR24	27800
12.638 H	AIR25	27800
12.638 H	AIR26	27800
12.638 H	AIR27	27800
12.638 H	AIR28	27800
12.638 H	AIR29	27800
12.638 H	AIR30	27800
12.638 H	AIR ACTIVE	27800
12.638 H	AIR active	27800
12.638 H	{Empty}	27800
12.688 H	CI	27800
12.688 H	Food	27800
12.688 H	FUEL TV	27800
12.688 H	Sci	27800
●12.688 H	Spare	27800
12.692 V	ABC	28650
12.692 V	ABC2	28650
12.692 V	612ABC Bris	28650
12.692 V	702ABC Syd	28650
12.692 V	774ABC Melb	28650
12.692 V	891ABC Adel	28650
12.692 V	ABC Classic	28650
12.692 V	ABC Local SA	28650
●12.692 V	ABC LocalVic	28650
12.692 V	ABC Nth Qld	28650
12.692 V	ABC Regnl	28650
●12.692 V	ABCLocalNSW	28650
12.692 V	ABCNewsRadio	28650
●12.692 V	ABCRadioNat	28650
12.692 V	ABCWest Qld	28650
12.692 V	Classic FM	28650
12.692 V	dig	28650
12.692 V	dig jazz	28650
12.692 V	Radio Nat	28650
12.692 V	triple j	28650

OPTUS D1
160.0 East

OPT0D1AN



Freq GHz Pol	Channel Name	Symbol rate
12.420 V	Alt TV	22500
12.420 V	Documentary	22500
12.420 V	Fox News	22500
12.420 V	Playhouse	22500
12.420 V	Res 1404	22500
12.420 V	Star Plus Hindi	22500
12.420 V	TCM	22500
12.420 V	TS14 IEPG Data Ser	22500
●12.427 H	GWN	14289
●12.427 H	WIN WA 16:9	14289
●12.519 V	Cartoon Network	22500
●12.519 V	CTV 1	22500
●12.519 V	J2	22500
●12.519 V	Preview	22500
●12.519 V	Preview	22500
●12.519 V	SKY Movies	22500
●12.519 V	SKY News	22500
●12.519 V	MindGames	22500
●12.519 V	Ad Tracks	22500
●12.519 V	Classical	22500
●12.519 V	George FM	22500
●12.519 V	Kids	22500
●12.519 V	Reggae	22500
●12.519 V	EPG Background Audio	22500
●12.519 V	Niu FM	22500
●12.519 V	RNZ Concert	22500
●12.519 V	RNZ National	22500
●12.519 V	Tahu FM	22500
●12.519 V	TS3 IEPG Data Serv	22500
●12.519 V	CA2 Download Servi	22500
●12.519 V	Firecall	22500

OPT0D1AU

Freq GHz Pol	Channel Name	Symbol rate
●12.407 H	SBS	12600
●12.407 H	SBS 2	12600
●12.407 H	SBS HD	12600
●12.407 H	SBS NEWS	12600
●12.407 H	SBS RADIO 1	12600
●12.407 H	SBS RADIO 2	12600
12.451 H	SBS	12600
12.451 H	SBS 2	12600
12.451 H	SBS HD	12600
12.451 H	SBS NEWS	12600
12.451 H	SBS RADIO 1	12600
12.451 H	SBS RADIO 2	12600
12.469 H	SBS	12600
12.469 H	SBS 2	12600
12.469 H	SBS HD	12600
12.469 H	SBS NEWS	12600
12.469 H	SBS RADIO 1	12600
12.469 H	SBS RADIO 2	12600
12.487 H	SBS	12600
12.487 H	SBS 2	12600
12.487 H	SBS HD	12600
12.487 H	SBS NEWS	12600
12.487 H	SBS RADIO 1	12600
12.487 H	SBS RADIO 2	12600
12.514 H	ABC HDTV	14294
12.514 H	ABC TV	14294
12.514 H	ABC TV NSW	14294
12.514 H	ABC2	14294
12.514 H	ABC DiG Jazz	14294
12.514 H	ABC DiG Radio	14294
12.532 H	ABC HDTV	14294
12.532 H	ABC TV	14294
12.532 H	ABC TV SA	14294
12.532 H	ABC2	14294
12.532 H	ABC DiG Jazz	14294
12.532 H	ABC DiG Radio	14294
12.550 H	ABC HDTV	14294
12.550 H	ABC TV	14294
12.550 H	ABC TV NT	14294
12.550 H	ABC2	14294
12.550 H	ABC DiG Jazz	14294
12.550 H	ABC DiG Radio	14294
12.577 H	ABC HDTV	14294
12.577 H	ABC TV	14294
12.577 H	ABC TV WA	14294
12.577 H	ABC2	14294
12.577 H	ABC Dig Jazz	14294
12.577 H	ABC DiG Radio	14294
12.595 H	ABC HDTV	14294
12.595 H	ABC TV	14294
12.595 H	ABC TV Victoria	14294
12.595 H	ABC2	14294
12.595 H	ABC DiG Jazz	14294
12.595 H	ABC DiG Radio	14294
12.610 H	ABC HDTV	14294
12.610 H	ABC TV	14294
12.610 H	ABC TV Queensland	14294
12.610 H	ABC2	14294
12.610 H	ABC DiG Jazz	14294
12.610 H	ABC DiG Radio	14294
●12.637 V	Test	5100

C-Band: INTELSAT 8
166.0 East

INT008CH

Freq GHz Pol	Channel Name	Symbol rate
3.741 H	MTV Asia	27500
3.741 H	MTV China	27500
3.741 H	MTV Mandarin	27500
3.741 H	MTV Philippines	27500
3.741 H	MTVNA	27500
3.741 H	Nick Japan	27500
3.741 H	Nick NZ	27500
3.741 H	Nick SE	27500
3.920 V	Radio	27906
4.020 H	Atlantic	26470
● 4.020 H	ESPN	26470
4.020 H	ESPN 2	26470
4.020 H	ESPN 2 Caribbean	26470
4.020 H	Latin Caribbean	26470
4.020 H	Mexico	26470
4.020 H	Mexico Alt.	26470
4.020 H	Pac Rim	26470
4.020 H	Syndication NTSC	26470
4.020 H	Syndication PAL	26470
4.020 H	Deportes Radio	26470
4.020 H	Download Channel	26470
4.060 H	Premium	16171
● 4.060 H	NTSC English	16171
4.060 H	NTSC Japanese	16171
4.060 H	PAL English	16171
● 4.060 H	PAL Japanese	16171
● 4.060 H	Premium	16171
4.060 H	Audio for Radio	16171

INT008CV

Freq GHz Pol	Channel Name	Symbol rate
3.790 V	KBS WORLD	6507
3.790 V	YTN	6507
3.808 V	EMTV & Radio	5632
3.808 V	Radio Services	5632
3.815 V	Arirang TV	4400
3.833 V	Asia	17500
3.833 V	TVBS	17500
3.833 V	TVBS-M	17500
3.833 V	TVBSG	17500
3.833 V	TVBSN	17500
3.833 V	UTILITY	17500
3.833 V	Audio Only	17500
3.880 V	A copy of ANC (stati	28700
3.880 V	ABS-CBN 1 (cable)	28700
3.880 V	ABS-CBN halalan	28700
3.880 V	ANC (cable)	28700
3.880 V	ANC (station)	28700
3.880 V	channel 2	28700
3.880 V	Cinema 1 (cable)	28700
3.880 V	HERO Channel	28700
3.880 V	LIFESTYLE (cable)	28700
3.880 V	MYX (cable)	28700
3.880 V	OS Download Channel	28700
3.880 V	PBB	28700
3.880 V	Studio 23 (cable)	28700
3.880 V	A copy of TFC 1 (cab	28700
3.880 V	Channel 17	28700
3.880 V	Cinema Global	28700
3.880 V	Knowledge Channel (c	28700
3.880 V	PinoyCentral TV	28700
3.880 V	PinoyCentral TV Kida	28700
3.880 V	TFC 1 (cable)	28700
3.880 V	DZMM (international)	28700
3.880 V	DZMM (local)	28700
3.880 V	DWRR (international)	28700
3.880 V	DWRR (local)	28700
3.880 V	MOR Feed	28700
● 3.949 V	MBC 1	4613
3.960 V	CRI Radio	3429
3.972 V	SBS WORLD	2206
4.031 V	NAPSA1	13240
4.050 V	Service 3 HD	13236
4.050 V	TVB 8	13236
4.050 V	TVBJ	13236
4.050 V	14-4 TRANSVISION	13236
4.080 V	1_Ch1	30000
4.080 V	2_Ch2	30000
4.080 V	3_Ch3	30000
4.080 V	4_Ch4	30000
4.080 V	5_Ch5	30000
4.080 V	6_Ch6	30000
4.080 V	7_Ch7	30000
4.080 V	8_MOMO	30000
4.080 V	9_Ch9	30000
4.121 V	GEMTV	5555
4.121 V	NET-25	5555
4.121 V	Data	5555
4.131 V	DAAI	5796
4.131 V	HZ	5796

INTELSAT 8
166.1 East

INT008KA

Freq GHz Pol	Channel Name	Symbol rate
●12.286 H	Animal Planet	28800
12.286 H	Canal Sur	28800
●12.286 H	Discovery HH	28800
●12.286 H	Discovery RT	28800
●12.286 H	Discovery Sc	28800
●12.286 H	Discovery TL	28800
●12.286 H	Enews ES	28800
●12.286 H	Enews Italy	28800
●12.286 H	Euronews	28800
12.286 H	Leonardo World	28800
●12.286 H	PGM 207	28800
●12.286 H	PGM 208	28800
●12.286 H	PGM 213	28800
●12.286 H	PGM_206	28800
●12.286 H	RAI INTL	28800
12.286 H	TV Chile	28800
12.286 H	Utilisima	28800
●12.286 H	VTV Uruguay	28800
●12.286 H	Wine TV	28800
12.326 H	E! Ent	28800
12.326 H	Movie Ex	28800
12.326 H	Movie Gr	28800
12.326 H	Movie One	28800
12.326 H	Movie Two	28800
12.326 H	MTV	28800
12.326 H	Nat.Geographic	28800
12.326 H	NG Adventure	28800
12.326 H	Ovation	28800
12.326 H	PGM 311	28800
12.326 H	PGM 313	28800
12.326 H	TCM	28800
12.326 H	VH1	28800
12.396 H	AAFES TV	2777
12.396 H	Aghapy	2777
12.396 H	INN News	2777
12.686 H	CCTV 4	28125
12.686 H	Celestial	28125
12.686 H	Chong Qing TV	28125
12.686 H	Dragon TV	28125
12.686 H	Hunan	28125
12.686 H	Phoenix Chinese	28125
12.686 H	Phoenix InfoNews	28125
12.686 H	TVB K/C	28125
12.686 H	TVB8	28125
12.686 H	TVBJ	28125
12.686 H	tvbN	28125
12.686 H	TVBS - N	28125
12.686 H	TVBS Asia	28125
12.686 H	Xing He	28125
12.686 H	Coship Code Download	28125

INT008KN

Freq GHz Pol	Channel Name	Symbol rate
12.400 H	Mac TV	3074
12.412 H	MYUNG SUNG CHURCH	3680
12.422 H	HMV TV	3680

INT008KS

Freq GHz Pol	Channel Name	Symbol rate
12.432 H	HAMERS SNG E-2	4420
12.441 H	Service 1	4420
12.462 H	DMC	2222
12.465 H	BP TN	2222

Freq GHz Pol	Channel Name	Symbol rate
12.526 H	ANT1 Pacific	28800
●12.526 H	BBC	28800
●12.526 H	Bloomberg	28800
12.526 H	Cartoon Network	28800
12.526 H	CNNI	28800
●12.526 H	ERT World	28800
12.526 H	Eurosport	28800
12.526 H	Fashion TV	28800
●12.526 H	PGM 102	28800
●12.526 H	PGM 109	28800
●12.526 H	PGM*114	28800
12.526 H	Sky Racing	28800
●12.526 H	TVE	28800
●12.526 H	Weatherzone	28800
●12.526 H	SelecTV	28800
●12.526 H	Antenna Radio	28800
12.526 H	ERA Sport Radio	28800
●12.526 H	STSTEST	28800
●12.526 H	Vce of Greece	28800
12.575 H	ANC	13845
12.575 H	CINEMA1	13845
12.575 H	KC	13845
12.575 H	TFC	13845
●12.575 H	ANC	13845
●12.575 H	CINEMA1	13845
●12.575 H	DA-I	13845
12.575 H	ISHTAR TV	13845
●12.575 H	KC	13845
12.575 H	PRODUCTION1	13845
●12.575 H	TFC	13845
12.575 H	DWRR	13845
12.575 H	DZMM	13845
●12.575 H	DWRR	13845
●12.575 H	DZMM	13845
12.646 H	Al Arabiyah	28066
12.646 H	Al Jazeera	28066
12.646 H	ART Australia	28066
12.646 H	ART Movies	28066
12.646 H	FUTURE TV	28066
12.646 H	LBC Australia	28066
12.646 H	MBC	28066
12.646 H	Melody Arabia	28066
12.646 H	Tele Lumiere	28066
12.646 H	ART Global	28066
12.646 H	ART Latino	28066
●12.646 H	Future News	28066
12.646 H	LBC America	28066
12.646 H	Leonardo World	28066
12.646 H	NTV	28066
12.646 H	RAI NTSC	28066
12.646 H	RAI PAL Australia	28066
12.646 H	RAI PAL South Amer	28066
12.646 H	Orient Radio	28066
12.646 H	Radio AL Ddikr	28066
12.646 H	Radio Italia	28066
12.646 H	Radio Music	28066
12.646 H	Radio Voice of Chari	28066
12.646 H	Radio2 Moro	28066
12.646 H	RAI radio Australia	28066
12.646 H	RAI radio service	28066
12.646 H	RI anni 60	28066
12.646 H	dsd	28066
●12.646 H	DSD ARION	28066
●12.726 H	A1 PLUS	28066
●12.726 H	BHT	28066
●12.726 H	BK TV	28066
●12.726 H	BN TV	28066
●12.726 H	DM SAT	28066
●12.726 H	NHK	28066
●12.726 H	PINK EXTRA	28066
●12.726 H	PINK PLUS	28066
●12.726 H	VIKOM	28066
●12.726 H	BETHEL TV	28066
●12.726 H	DW TV	28066
●12.726 H	ERI TV	28066
●12.726 H	SYRIA TV	28066
●12.726 H	ERI RADIO A	28066
●12.726 H	ERI RADIO T	28066
●12.726 H	Main General Program	28066
●12.726 H	Voice of People	28066
●12.726 H	Voice of Youth	28066

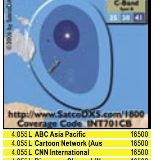
C-Band: INTELSAT 2
169.0 East

INT002CP

Freq GHz Pol	Channel Name	Symbol rate
3.836 V	Al Arabiyah	11000
3.836 V	Al Jazeera NTSC	11000
3.836 V	ART Australia	11000
3.836 V	Future TV	11000
3.836 V	LBC Australia	11000
3.836 V	RAI int Aus	11000
3.836 V	Radio2 Moro	11000
3.836 V	RAI Radio Australia	11000
3.836 V	RAI Radio Service	11000
3.901 H	Adhoc III VC 7	30800
3.901 H	Australian Broadcast	30800
3.901 H	BBC	30800
3.901 H	BBC India Restoral	30800
3.901 H	Copy VC 4 P2 DCP U	30800
3.901 H	P2 CCP Upgrade	30800
3.901 H	PAS Adhoc I VC 2	30800
3.901 H	PAS Adhoc II VC 4	30800
3.901 H	Radio Australia ABC	30800
3.992 V	Channel 1	26470
3.992 V	Channel 2	26470
3.992 V	Channel 5	26470
3.992 V	MetroMux Channel 7	26470
3.992 V	MetroMux Channel 8	26470
3.992 V	Channel 3	26470
3.992 V	Channel 4	26470
3.992 V	Channel 6	26470
4.022 H	Hope Channel Intl	5900
4.022 H	Hope Channel Intl.2	5900
4.022 H	Hope Channel Intl.3	5900
4.022 H	Radio Service	5900

INTELSAT 701
180.0 East

INT701CB

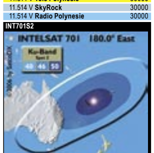


Freq GHz Pol	Channel Name	Symbol rate
4.055 L	ABC Asia Pacific	16500
4.055 L	Cartoon Network (Aus	16500
4.055 L	CNN International	16500
4.055 L	Discovery Channel (N	16500
4.055 L	Fiji 1	16500
4.055 L	MTV (Southeast Asia)	16500
4.055 L	Sky Entertainment	16500
4.095 L	Sky Multiplex	16500
4.175 L	AFRTS News	3679
4.175 L	AFRTS Pacific	3679
4.175 L	AFRTS Sports	3679

INT701KP

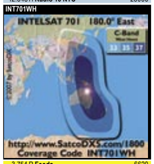
Freq GHz Pol	Channel Name	Symbol rate
11.060 V	Cinefaz	30000
11.060 V	Infosport	30000
11.060 V	LCI	30000
11.060 V	M6	30000
11.060 V	M6 Music	30000
11.060 V	Matavision	30000
11.060 V	Odyssee	30000
11.060 V	TeleToon	30000
11.060 V	TPS Star	30000
11.060 V	Tahiti Nui TV	30000
11.060 V	Europe 2	30000
11.060 V	Radio Nostalgie	30000
11.060 V	Rire et Chansons	30000
11.136 V	France O	23150
11.136 V	Malakof	23150
11.136 V	RFO feeds	23150
11.136 V	RFO Tempo Nouvelle	23150
11.136 V	RFO Tempo Polynesie	23150
11.136 V	Tele Nouvelle Caledo	23150
11.136 V	Tele Polynesie	23150
11.136 V	Tele Wallis et Futun	23150
11.514 V	Cartoon Network	30000
11.514 V	Cinestar 2	30000
11.514 V	CNN International	30000
11.514 V	Mangas	30000
11.514 V	RFO Tempo Tahiti tes	30000
11.514 V	RTL 9	30000
11.514 V	TCM	30000
11.514 V	Teva	30000
11.514 V	TF1	30000
11.514 V	TF6	30000
11.514 V	TV Polynesie tests	30000
11.514 V	RFO Tempo Polynesie	30000
11.514 V	Tele Polynesie	30000
11.514 V	SkyRock	30000
11.514 V	Radio Polynesie	30000

INT701S2



Freq GHz Pol	Channel Name	Symbol rate
10.975 H	Action	30000
10.975 H	Canal+ Jaune	30000
10.975 H	Cinefaz	30000
10.975 H	Cinestar 1	30000
10.975 H	Eurosport France	30000
10.975 H	Mezzo	30000
10.975 H	TF 6	30000
11.174 H	France O	23150
11.174 H	Malakof	23150
11.174 H	RFO Feeds	23150
11.174 H	RFO Tempo Nouvelle	23150
11.174 H	RFO Tempo Polynesie	23150
11.174 H	Tele Nouvelle Caledo	23150
11.174 H	Tele Polynesie	23150
11.174 H	Tele Wallis et Futun	23150
11.174 H	France Culture	23150
11.174 H	France Inter	23150
11.174 H	Le Mouv Inter	23150
11.174 H	Radio Nouvelle Caled	23150
11.174 H	Radio Polynesie	23150
11.610 H	Canal+ Caledonie	30000
11.610 H	Cartoon Network	30000
11.610 H	Cine Cinemas	30000
11.610 H	Disney Channel	30000
11.610 H	Euronews	30000
11.610 H	LCI	30000
11.610 H	LEquipe TV	30000
11.610 H	M6	30000
11.610 H	MCM	30000
11.610 H	Motors	30000
11.610 H	National Geographic	30000
11.610 H	Planete	30000
11.610 H	RFM TV	30000
11.610 H	RTL 9	30000
11.610 H	Sport+	30000
11.610 H	TCM	30000
11.610 H	Tele Caledonie	30000
11.610 H	TV5	30000
11.610 H	Voyage	30000
11.610 H	XXL	30000
11.610 H	France O	30000
11.610 H	Europe 1	30000
12.648 H	BBC World	28066
12.648 H	Discovery Channel (N	28066
12.648 H	EWTN (Asia)	28066
12.648 H	MUTV	28066
12.648 H	Nickelodeon (New Zea	28066
12.648 H	Pacific Sports Netwo	28066
12.648 H	PBS info card	28066
12.648 H	PTV 1	28066
12.648 H	SET Asia	28066
12.648 H	VH1 (Australia)	28066
12.648 H	Zee Cinema (Australi	28066
12.648 H	Zee Music (Asia)	28066
12.648 H	Zee TV (Asia Pacific	28066
12.648 H	BBC World Service	28066
12.648 H	Radio 16 NTC	28066

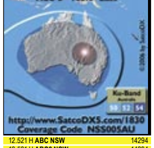
INT701WH



Freq GHz Pol	Channel Name	Symbol rate
3.754 R	Feeds	6620
3.769 R	Church TV	20000
3.769 R	Feeds	20000
3.769 R	JCTV	20000
3.769 R	Pacific TV feeds	20000
3.769 R	Pictures of Croatia	20000
3.769 R	TBN - Trinity Broa	20000
3.793 R	TV Globo Internation	6111
3.793 L	WDC_Enc3	5632
3.803 R	NBC Solar 1	6111
3.815 R	NBA Feeds	6111
3.821 R	Feeds (DSNG 2)	6111
3.830 R	Feeds (DSNG 3)	6111
3.854 R	NASA TV	2000
3.885 R	Ch. 10 - POR9-10,	25000
3.885 R	Ch. 150 - Alhurra (M	25000
3.885 R	Ch. 170 - MTN-I	25000
3.885 R	Ch. 22 - POR13-14,	25000
3.885 R	Ch. 8 - OS Downloa	25000
3.885 R	Ch. 9 - OS Downloa	25000
3.885 R	Ch. 90 - POR25-26,	25000
3.885 R	Ch. 91 - POR29-30,	25000
3.885 R	DEFAULT	25000
3.885 R	Ch. 100 - POR25-26	25000
3.885 R	Ch. 120 - POR33-34	25000
3.885 R	Ch. 121 - POR37-38	25000
3.885 R	Ch. 130 - POR41-42	25000
3.885 R	Ch. 131 - POR45-46	25000
3.885 R	Ch. 140 - POR49-50	25000
3.885 R	Ch. 141 - POR53-54	25000
3.885 R	Ch. 151 - POR61-62	25000
3.885 R	Ch. 171 - POR77-78	25000
3.885 R	Ch. 36 - POR5-6, P	25000
3.885 R	CH. 40 - POR65-66,	25000
3.885 R	CH. 42- POR69-70,	25000
3.928 R	JCTV	11394
3.928 R	Smile of a Child	11394
3.928 R	TBN (USA)	11394
3.928 R	The Church Channel	11394
4.024 L	Prime TV	6876
4.028 R	Baccarat Game Channe	3702
4.044 R	Feed	5632

NSS 5
183.0 East (177.0 West)

NSS005AU



Freq GHz Pol	Channel Name	Symbol rate
12.521 H	ABC NSW	14294
12.521 H	ABC2 NSW	14294
12.539 H	ABC South	14294
12.539 H	ABC2 South Australia	14294
12.556 H	ABC Northern Territo	14294
12.556 H	ABC2 Northern Territ	14294
12.574 H	ABC Queensland	14294
12.574 H	ABC2 Queensland	14294
12.604 H	ABC Victoria	14294

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

Freq GHz	Pol	Channel Name	Symbol rate
12.604	H	ABC2 Victoria	14294
12.612	V	AD-Hoc	28357
12.612	V	ADHOC Channel.	28357
12.612	V	B Y U	28357
12.612	V	BYU TV	28357
12.612	V	Now TV	28357
12.612	V	STAR NEWS INDIA	28357
12.612	V	TV 5 Asie	28357
12.612	V	TV5 Monde Asie	28357
12.612	V	ZEE TV	28357
12.612	V	{Empty}	28357
12.622	H	SBS South East	12600
12.622	H	SBS EPG	12600
12.622	H	SBS NSW	12600
12.622	H	SBS World News Cha	12600
12.640	H	SBS Queensland	12600
12.640	H	SBS South	12600
12.640	H	SBS EPG	12600
12.640	H	SBS Queensland	12600
12.640	H	SBS South	12600
12.640	H	SBS World News Cha	12600
12.658	H	SBS package	12600

NSS005GL

Freq GHz	Pol	Channel Name	Symbol rate
4.185	R	BYU TV	4377

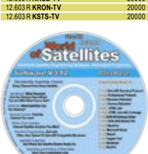
NSS005NW

Freq GHz	Pol	Channel Name	Symbol rate
3.977	L	AFN Family	28000
3.977	L	AFN Guide	28000
3.977	L	AFN Movies	28000
3.977	L	AFN News	28000
3.977	L	AFN Prime Atlantic	28000
3.977	L	AFN Prime Korea	28000
3.977	L	AFN Prime Pacific	28000
3.977	L	AFN Spectrum	28000
3.977	L	AFN Sports	28000
3.977	L	Pentagon Channel	28000
3.977	L	Adult Rock'n'Roll	28000
3.977	L	AFN Voice Channel	28000
3.977	L	Bright AC	28000
3.977	L	Contingency Channel	28000
3.977	L	Country Music	28000
3.977	L	ESPN Plus	28000
3.977	L	Fox Sports Plus	28000
3.977	L	Hot AC	28000
3.977	L	Newsreel	28000
3.977	L	NPR Worldwide (AFR	28000
3.977	L	Oldies Radio	28000
3.977	L	The Touch	28000
3.977	L	Z-Rock	28000

ECHOSTAR 1, 2
212.0 East (148.0 West)

ECH001KB

Freq GHz	Pol	Channel Name	Symbol rate
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	Nile Drama	20000
12.341	R	PTV 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
12.399	R	KCBS-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	KADY-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	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



Freq GHz	Pol	Channel Name	Symbol rate
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	The Hot Zone	20000
12.661	R	Adult Guard Promo	20000

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

AMC008CB

Freq GHz	Pol	Channel Name	Symbol rate
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
4.168	H	ARCS	4200
4.168	H	TEST 2	4200
4.168	H	True Country	4200

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

AMC007CB

Freq GHz	Pol	Channel Name	Symbol rate
3.740	V	KMGH-TV	
3.740	V	C Band Talk	
3.800	V	KDVR-TV	
3.800	H	Colorado Talking Boo	
3.800	H	W0kie	
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

Freq GHz	Pol	Channel Name	Symbol rate
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 Movie Channel We	19510
3.740	H	Westerns West	19510
3.760	V	Nickelodeon East	
3.780	H	Galavision USA Este	29200
3.780	H	Galavision USA Oeste	29200
3.780	H	TeleFutura	29200
3.780	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	
3.840	V	In HD	19510
3.840	V	In HD2	19510
3.860	H	Test Card	19510
3.860	H	TV Guide	19510
3.880	V	QVC US	
3.900	H	HSN - Home Shoppin	
3.920	V	MTV East	29270
3.920	V	VH1 East	29270
3.956	H	G4 Tech TV US	4000
3.960	V	CNBC US	
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	
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

Freq GHz	Pol	Channel Name	Symbol rate
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

Freq GHz	Pol	Channel Name	Symbol rate
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	
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 Alternate	29270
3.900	V	MSNBC	
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 Inernational	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

Freq GHz	Pol	Channel Name	Symbol rate
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 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
3.800	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	
3.940	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
4.015	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
4.100	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
4.140	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 616)	19510
4.160	V	E! TV East	

GALAXY 27
231.0 East (129.0 West)

INTAM7CN

Freq GHz	Pol	Channel Name	Symbol rate
3.974	V	Test Card	5632

Freq GHz	Pol	Channel Name	Symbol rate
11.780	H	StarBand	30000
11.964	H	White Springs TV	2920
12.100	H	StarBand	30000

ECHOSTAR 5
231.1 East (128.9 West)

ECH005KB

Freq GHz	Pol	Channel Name	Symbol rate
12.224	R	DishNetwork	21500

GALAXY 13/HORIZONS 1
233.0 East (127.0 West)

GXY013CB

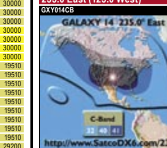
Freq GHz	Pol	Channel Name	Symbol rate
3.712	V	NFL Network HD	14630
3.740	H	Gospel Music Network	
3.780	H	Starz! East	
3.800	V	Aasatha TV	27690
3.800	V	BBC World	27690
3.800	V	Caracol TV Internaci	27690
3.800	V	Panamsat Test Card	27690
3.800	V	BBC World Radio	27690
3.840	V	Starz! HD West	29270
3.860	H	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
4.186	H	RFD TV	4410

HOR001KB

Freq GHz	Pol	Channel Name	Symbol rate
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	IFTV	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



Freq GHz	Pol	Channel Name	Symbol rate
3.760	H	TBN - Trinity Broa	
3.760	H	KTBN - Trinity Bro	
3.765	V	The Golf Channel US	3600
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	
3.980	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	
4.120	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)

GXY10RCB

Freq GHz	Pol	Channel Name	Symbol rate
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
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
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 Desportes	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 Four	13240
11.732	H	Channel One	13240
11.732	H	Channel Two	13240
●11.732	H	EES	13240
●11.732	H	VISN 10	13240
11.732	H	VISN 11	13240
●11.732	H	VISN 12	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	LatTV	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
11.813	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 Fr	3601
11.860	H	Feeds	27900
11.893	V	Feeds (LEVEL 3 ATL	6111
11.893	V	Feeds (Vyvx Denver P	6111
11.893	V	Feeds ({Empty Name})	6111
11.905	V	CH 1	4352
11.905	V	CH 2	4352
11.905	V	CH1	4352
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
12.078	V	KBS WORLD	3680
●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 (Service 1)	2666
12.140	H	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

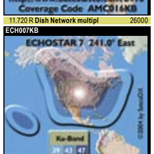
Freq GHz	Pol	Channel Name	Symbol rate
3.707	H	CLEVELAND	5632
3.714	H	Cox Sports TV	4340
3.719	H	TVW 1	3000
3.724	H	The Sportsmans Chann	3000
3.727	V	MASN	6065
3.732	V	In Demand	13235
3.751	H	ETV Bangla	8385
3.751	H	ETV Gujarati	8385
3.751	H	ETV Telugu	8385
3.765	H	In Demand	19510
3.778	H	ImaginAsian 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	H	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
4.160	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

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	KFOR-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	KOED-TV	20000
12.253	R	KOKH-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	WCFE-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	WPEC-TV	20000
12.253	R	WPTV-TV	20000
12.253	R	WTVX-TV	20000
12.253	R	WXEL-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 2	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	KTXH-TV	20000
12.282	R	KUHT-TV	20000
12.282	R	KUTP-TV	20000
12.282	R	WAXN-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	Festive 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	KWKT-TV	20000
12.311	R	KWTX-TV	20000
12.311	R	KXGR-TV	20000
12.311	R	KXXV-TV	20000
12.311	R	WASV-TV	20000
12.311	R	WBSC-TV	20000
12.311	R	WFYI-TV	20000
12.311	R	WGN-TV	20000
12.311	R	WHNS-TV	20000
12.311	R	WISH-TV	20000
12.311	R	WLFL-TV	20000
12.311	R	WNCN-TV	20000
12.311	R	WNDY-TV	20000
12.311	R	WOTV-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	WRTV-TV	20000
12.311	R	WTHR-TV	20000
12.311	R	WTLJ-TV	20000
12.311	R	WTTV-TV	20000
12.311	R	WTTW-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	KULC-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 Fashi	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	DISH-on-Demand PPV	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 Marachi	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	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

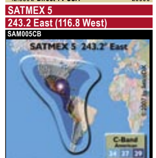
DIRECTV 7S
241.2 East (118.8 West)

DTV006KB

Freq GHz	Pol	Channel Name	Symbol rate
12.530	L	Direct TV 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	InteliTV	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	Venevision 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 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	3364
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	Vacante	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 Channe	19510

SAM005K1

Freq GHz	Pol	Channel Name	Symbol rate
11.722	H	Feed	30000
11.740	V	DirecWay	30000
11.930	H	Feed	8140
11.960	H	Data Service	2000
11.980	V	DirecWay	30000
12.024	H	ESNE	3000
12.024	H	Radio Catolica El Se	3000
12.028	H	Almavision	3255
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	3025
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	V	Data Service	3015
12.182	V	MTY 1	9666
12.182	V	MTY 2	9666
12.182	V	MTY 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 Basica	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 circiculares	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 Tabesquena	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 Tabesquena	2933
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 Tabesquena	3255
3.838	V	TV MAS Veracruz	3720
3.847	V	Service 1	3219
3.853	H	GPO IMAGEN	3255
3.856	H	TV Tabesquena	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	TMM TV	2821
4.095	V	MVS TV Test Card	3720
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	
3.866	H	Channel 11	5000

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 02/2008

Freq GHz	Pol	Channel Name	Symbol rate
3.980	V	VESN - Virginia Sa	
3.990	H	Channel 11	3074

ANI0E2KB

Freq GHz	Pol	Channel Name	Symbol rate
19.776	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

ECH010KB

DIRECTV 5
250.2 East (109.8 West)

DTV005KB

Freq GHz	Pol	Channel Name	Symbol rate
12.618	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

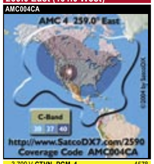
Freq GHz	Pol	Channel Name	Symbol rate
3.740	V	GMA Pinoy TV	29270
3.740	V	Cadena del Milagro	29270
3.740	V	DW TV	29270
3.740	V	DW 1 Radio	29270
3.740	V	DW 2 Radio	29270
3.740	V	DW 7 Radio	29270
3.840	H	Broadcast 422	26681
3.840	H	East	26681
3.840	H	FEEDS12	26681
3.840	H	FEEDS4	26681
3.840	H	FEEDS7	26681
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	VDS SEC	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	V	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	MCC	20000
11.938	V	MS20	20000
11.938	V	MS3	20000
11.938	V	MS4	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 Feed	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
12.083	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	AC1.21F	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
3.773	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	24074
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	HSN	28347
4.080	V	QVC	28347
4.080	V	Travel Channel	28347
4.080	V	TV One	28347
4.100	H	FAMILYLAND-TV	28347
4.175	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	V	Data	5000
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	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	IP/DVB 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	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	08-A E History	26700
12.060	H	09-A E Biography	26700
12.060	H	10-A E	26700
●12.060	H	Enc 11 Test	26700
●12.060	H	Enc 12 Test	26700
12.120	V	CMC	30000
12.120	V	ETN	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	HRT TV	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	V	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	DirectTV 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	26000
3.786	H	FAMILYNET	5000
3.790	H	KCHF-TV	3256
3.811	H	SNG	3256
3.820	V	WB Los Angeles Fee	26000
3.825	H	SCOPUS-NET-TECH	2604
3.825	H	Telesur Campeche	2604
3.880	H	Red Canal 2	29688
3.880	H	Red Canal 5	29688
3.880	H	Red Canal 9	29688
3.917	H	TELEPUERTO.TUXTLA	3124
3.928	H	TELEVER	3124
3.952	H	{Empty}	12299
4.000	H	LESEA Network	26400
4.000	H	WHT - 1	26400
4.000	H	WHT - 2	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	Buena 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

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
11.920	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	IFC 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	MBC Network	19510
12.160	H	NUE TV	19510
12.160	H	The Word Network	19510

GXY04RKV

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
11.880	H	Bravo US	19510
11.880	H	ESPN Classic	19510
11.880	H	HBO 2 East	19510
11.880	H	HBO Signature East	19510
11.880	H	HGTV US	19510
11.880	H	Love Stories East	19510
11.880	H	Mystery East	19510
11.880	H	Showtime Too East	19510
11.880	H	Starz! Theater East	19510
11.880	H	The History Channel	19510
11.880	H	The Movie Channel Ea	19510
11.880	H	Westerns East	19510
11.880	H	60's Oldies	19510
11.880	H	Adult Contemporary	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 Action PPV	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 Wes	19510
11.940	V	The Box Edge	19510
11.940	V	The International Ch	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 Eas	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 Insirational Lif	19510
12.140	V	The Outdoor Channel	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	IdeaCast	8500
12.187	V	04-Channel 4	8500

GALAXY 25
263.0 East (97.0 West)

GXY025CB

Freq GHz	Pol	Channel Name	Symbol rate
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

Freq GHz	Pol	Channel Name	Symbol rate
●11.716	V	Al Anwar	22000
11.716	V	Canal Algerie	22000
●11.716	V	DIDAR GLOBAL TV	22000
●11.716	V	Emmanuel TV	22000
●11.716	V	FEED	22000
●11.716	V	Rang-A-Rang	22000
●11.716	V	RTA	22000
●11.716	V	Supreme Master TV	22000
●11.716	V	SUROYO TV	22000
●11.716	V	KNLB FM Christian	22000
●11.716	V	Radio Tondar	22000
●11.716	V	VBS Radio	22000
11.789	V	BN BOSNIA	28125
11.789	V	Globecast 218	28125
11.789	V	Globecast 63	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	MHz Worldview	28125
●11.789	V	Orange TV	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	APPADANA INT	20770
11.836	V	Cyrus TV	20770
11.836	V	Daystar TV	20770
11.836	V	GNF Music	20770
11.836	V	IRIB 2	20770
11.836	V	IRINN	20770
11.836	V	NTD	20770
●11.836	V	Payam E Azadi	20770
11.836	V	TV 7 TUNIS	20770
11.836	V	TV Nejat	20770
11.836	V	INT 1	20770
11.836	V	INT 3	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	Quran Radio	20770
11.836	V	RADIO MAAREF	20770
11.836	V	RADIO SARASARI	20770
11.836	V	Radio Seday-e Ashna	20770
11.836	V	RBN radio	20770
11.836	V	STAR1&2	20770
11.836	V	Star5 and AVR	20770
11.836	V	Tunis Radio1	20770
11.836	V	Tunis Radio2	20770
11.874	H	Globecast 217	22000
11.874	H	RTV21	22000
11.874	H	Studio 1+1	22000
11.874	H	Top Channel	22000
11.874	H	Ariana Afghan	22000
11.874	H	AZ TV	22000
11.874	H	DMC	22000
●11.874	H	Globecast 201	22000
●11.874	H	Globecast 213	22000
●11.874	H	Globecast 215	22000
11.874	H	Globecast 217	22000
11.874	H	KJC TV	22000
●11.874	H	LTV World	22000
11.874	H	NurTV	22000
●11.874	H	RTV21	22000
11.874	H	Telepace	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 2	22000
11.874	H	RTV21 Radio	22000
11.874	H	DZAR radio	22000
11.874	H	Futbol DP	22000
11.874	H	Globecast 210	22000
●11.874	H	GLR Radio 2	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-001	20000
11.999	H	KISB-002	20000
11.999	H	KISB-003	20000
11.999	H	KISB-004	20000
11.999	H	KISB-005	20000
11.999	H	KISB-006	20000
11.999	H	Al Jazeera English	20000
11.999	H	Jordan TV	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	Party/Favs	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	RFI /MC M O	22000
●12.053	V	RFI Francaise	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 NEWS	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 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 2	22425
12.115	V	E2 Channel	22425
12.115	V	HORIZON ARMENIAN	22425
●12.115	V	IMPACT TV	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	Tai-Lao	22425
12.115	V	Ten TV	22425
●12.115	V	Variety	22425
●12.115	V	VISION TV	22425
●12.115	V	Access Amer.	22425
12.115	V	Stream on	22425
12.115	V	WTPRN	22425
12.115	V	MPEG 4	22425
●12.115	V	SAT A/V	22425
12.122	H	Affiliate Channel	20000
12.122	H	RTS	20000
12.122	H	ARIA International	20000
12.122	H	DA-AI	20000
12.122	H	KAFGTV	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	Persian Bazaar TV	20000
12.122	H	RSI	20000
●12.122	H	KRSI	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	ETV	20000
●12.152	H	Globecast 1	20000
12.152	H	Iran TV	20000
12.152	H	Jaam-E-Jam	20000
12.152	H	Omid-E-Iran	20000
12.152	H	PEN TV	20000
●12.152	H	Persian TV	20000
12.152	H	Tapesh TV	20000
12.152	H	Tasvir Iran	20000
12.152	H	Thai Asia	20000
12.152	H	Bahai Radio	20000
12.152	H	EthiopianRadio	20000
●12.152	H	Globecast 12	20000
12.152	H	Globecast 13	20000
12.152	H	KRSI	20000
12.152	H	KW1L/KW1R	20000
12.152	H	KW2L/KW2R	20000
12.152	H	Radio Seoul	20000
12.177	V	CCN	23000
12.177	V	AMG TV	23000
12.177	V	BTV	23000
12.177	V	CHURCH CHANNEL	23000
12.177	V	Emmanuel TV	23000
12.177	V	FTV	23000
12.177	V	GODS LEARNING CH	23000
12.177	V	JCTV	23000
12.177	V	KURD TV	23000
12.177	V	SOAC	23000
12.177	V	TBN	23000
12.177	V	TBN ENLACE	23000
12.177	V	TBN Russia	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	Glas Drine BiH	23000
12.177	V	KIRN RADIO 670 AM	23000
12.177	V	KNLB FM Christian	23000
12.177	V	Radio Hmong	23000
●12.177	V	Rainbow Radio	23000
12.177	V	WRN Eng NAM	23000
12.177	V	WRN Fra EUR	23000
12.177	V	WRN Mul NAM	23000

GALAXY 3C
265.0 East (95.0 West)

GXY03CCH

Freq GHz	Pol	Channel Name	Symbol rate
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
3.963	H	Horse/Dog Racing F	3074
3.968	H	Horse/Dog Racing F	3074

GXY03CCV

Freq GHz	Pol	Channel Name	Symbol rate
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	V	Horse/Dog Racing F	3074
3.908	V	Horse/Dog Racing F	3074
3.925	V	Horse/Dog Racing F	3074
3.929	V	Horse/Dog Racing F	3074
3.934	V	Horse/Dog Racing F	3074
3.969	V	Horse/Dog Racing F	3074
3.979	V	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

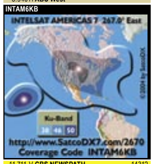
Freq GHz	Pol	Channel Name	Symbol rate
11.780	H	CCTV 4	20759
11.780	H	CCTV 9	20759
11.780	H	CCTV E&F	20759
11.810	H	HRTV	20000
11.810	H	OTBED	20000
11.810	H	OTBHP	20000
11.810	H	RTN1	20000
11.810	H	RTN11	20000
11.810	H	RTN12	20000
11.810	H	RTN13	20000
11.810	H	RTN14	20000
11.810	H	RTN15	20000
11.810	H	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

GALAXY 26
267.0 East (93.0 West)

INTAM6CB

Freq GHz	Pol	Channel Name	Symbol rate
3.720	V	TENMax	
3.760	V	ABC East	
3.840	V	TENXsty	
3.860	H	PBS X	
3.940	H	ABC West	

INTAM6KB



Freq GHz	Pol	Channel Name	Symbol rate
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	iSkyCom	7180
11.836	H	SBS	7180
●11.836	H	UpSessions	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	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
12.086	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

Freq GHz	Pol	Channel Name	Symbol rate
3.656	H	TV Antena 10	3150
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

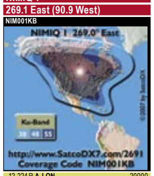
Freq GHz	Pol	Channel Name	Symbol rate
3.720	H	The CW Central/Mount	26700
3.720	H	The CW East	26700
3.720	H	The Cw West	26700
3.740	V	Fox Sports Feeds	27800
3.780	V	FX West	30000
3.800	H	ALT 1	30000
3.800	H	ALT 2	30000
3.800	H	FX East	30000
3.800	H	FX West	30000
3.800	H	Out of Svc	30000
3.800	H	Out Service 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	ac-3 US domestic	26000
3.920	H	Africa	26000
3.920	H	Canada	26000
3.920	H	Canada AC-3	26000
3.920	H	David Radio	26000
3.920	H	Domestic	26000
3.920	H	Domestic-English onl	26000
3.920	H	Enc7 AC3	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	Radio 95	26000
3.920	H	Radio 96	26000
3.920	H	Real SP & Radio	26000
3.920	H	Span Dom	26000
3.920	H	Span Int	26000
3.920	H	UK/Ireland	26000
3.920	H	WEWN	26000
3.920	H	covenant	26000
3.920	H	Dalet-Astra	26000
3.920	H	EWTN Audio Test	26000
3.920	H	Fund Appeal	26000
3.920	H	Occasional	26000
3.920	H	Radio 97	26000
3.920	H	Radio 98	26000
3.920	H	radio Direct	26000
3.920	H	Radio Pas	26000
3.920	H	Sirius satellite rad	26000
3.920	H	wewn	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 2	6112

GXY011KB

Freq GHz	Pol	Channel Name	Symbol rate
12.060	V	FETN	26700
12.060	V	HSTN	26700
12.060	V	LETN	26700
12.060	V	LTCN	26700
12.060	V	Occasional Use - 4	26700
12.060	V	TXCN	26700
12.060	V	Occasional Use - 1	26700
12.060	V	Occasional Use - 2	26700
12.060	V	Occasional Use - 3	26700
12.060	V	AAFES	26700

NIMIQ 1
269.1 East (90.9 West)

NIM001KB



Freq GHz	Pol	Channel Name	Symbol rate
12.224	R	A-LON	20000
12.224	R	CBC-L	20000
12.224	R	CPAC	20000
12.224	R	CPACF	20000
12.224	R	CTV-L	20000
12.224	R	HIST	20000
12.224	R	HSTDv	20000
12.224	R	ISSUE	20000
12.224	R	LONDv	20000
12.224	R	MTV	20000
12.224	R	NCAR2	20000
12.224	R	NEWS1	20000
12.224	R	RCVu0	20000
12.224	R	TSC	20000
12.224	R	TVLND	20000
12.224	R	Vu22	20000
12.224	R	EPG2	20000
12.239	L	A-VIC	20000
12.239	L	BBC-C	20000
12.239	L	CBC-O	20000
12.239	L	CW11	20000
12.239	L	GAME	20000
12.239	L	HLTH	20000
12.239	L	IFC	20000
●12.239	L	NHL8	20000
12.239	L	OLN	20000
12.239	L	OUTTV	20000
12.239	L	RAI	20000
12.239	L	VICDv	20000
12.239	L	Vu15	20000
12.239	L	Vu24	20000
●12.239	L	VuF1	20000
12.239	L	NCAR4	20000
12.253	R	VNS10	20000
12.253	R	VNUS0	20000
12.253	R	VNUS1	20000
12.253	R	VNUS2	20000
12.253	R	VNUS3	20000
12.253	R	VNUS4	20000
12.253	R	VNUS5	20000
12.253	R	VNUS6	20000
12.253	R	VNUS7	20000
12.253	R	VNUS8	20000
12.253	R	VNUS9	20000
12.268	L	A&E	20000
12.268	L	CTV-T	20000
12.268	L	CTVDv	20000
12.268	L	FOXNC	20000
12.268	L	GLB-T	20000
12.268	L	GLBDv	20000
12.268	L	NCAA5	20000
12.268	L	NCAA6	20000
12.268	L	NHL10	20000
●12.268	L	PHDIS	20000
●12.268	L	PHDIS*	20000
12.268	L	SPACE	20000
12.268	L	SPCDv	20000
12.268	L	STAR	20000
12.268	L	TLC	20000
●12.268	L	TMNFP	20000
12.268	L	VEBar	20000
12.268	L	VFBar	20000
12.268	L	Vu	20000
12.268	L	VuFr	20000
●12.268	L	VuP32	20000
12.268	L	GXY18	20000
12.268	L	GXY2	20000
12.268	L	GXY3	20000
12.268	L	GXY30	20000
12.268	L	GXY4	20000
12.268	L	GXY7	20000
12.268	L	DPG5	20000
12.268	L	IFEED	20000
12.268	L	NF10h	20000
12.268	L	RG1	20000
12.282	R	CTV-R	20000
12.282	R	CTV-w	20000
12.282	R	CTV-W	20000
12.282	R	CTV-w	20000
12.282	R	CTV-W	20000
12.282	R	DEJA	20000
12.282	R	DvEPG	20000
12.282	R	FOXSP	20000
12.282	R	LONE*	20000
12.282	R	MSTRY	20000
12.282	R	XTRME	20000
12.282	R	ALERT	20000
12.282	R	ALRT	20000
12.282	R	BFSHD	20000
12.282	R	BFVSC	20000
12.282	R	LFSTV	20000
12.282	R	LOCK	20000
12.282	R	LOUD*	20000
12.282	R	MYSTR	20000
12.282	R	PPVu	20000
12.282	R	RETRO*	20000
12.282	R	Vu-F*	20000
12.282	R	Vu31	20000
12.282	R	{Empty}	20000
12.282	R	GXY31	20000
12.282	R	GXY32	20000
12.282	R	GXY33	20000
12.282	R	GXY36	20000
12.282	R	GXY45	20000
12.282	R	POWER	20000
●12.282	R	Boggl	20000
●12.282	R	DHSM	20000
12.282	R	DPG3	20000
12.282	R	GGiTV	20000
12.282	R	GGSoc	20000
12.282	R	GJTVi	20000
12.282	R	iCBC	20000
12.282	R	iCBCS	20000
12.282	R	RG2	20000
12.297	L	NFL4	20000
12.297	L	RAPTR	20000
12.297	L	CRKT	20000
12.297	L	CRKT*	20000
12.297	L	CRKT1	20000
12.297	L	MLB4	20000
12.297	L	NHL4	20000
12.297	L	NHLMH	20000
12.297	L	SETNA	20000
●12.297	L	SWARE	20000
12.297	L	SWARE2	20000
12.297	L	Vu-F	20000
12.297	L	VuBuy	20000
12.297	L	VuPPV	20000
12.297	L	BRKR	20000
12.297	L	CRKT1	20000
12.297	L	LSCR	20000
12.297	L	XPRS*	20000
12.297	L	XPRS2	20000
●12.297	L	AMBER	20000
●12.297	L	AMBER*	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	RG3	20000
12.297	L	THTPE	20000
12.297	L	THTPF	20000
12.311	R	SCORE	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	NBC-E	20000
12.311	R	NBCDv	20000
12.311	R	SCORE	20000
12.311	R	Vu2	20000
12.311	R	Vu7	20000
12.311	R	VuF2	20000
12.311	R	VuF7	20000
12.311	R	WSBK	20000
12.311	R	NPR	20000
12.311	R	10ANN	20000
12.311	R	10ANN*	20000
12.311	R	AIDE	20000
12.311	R	Enhanced DAL	20000
12.311	R	iHELP	20000
12.311	R	iHELP*	20000
12.311	R	MVDE	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	CBCDv	20000
12.326	L	CTVNN	20000
12.326	L	DISC	20000
12.326	L	DvNBC	20000
12.326	L	FOOD	20000
12.326	L	M-MOR	20000
12.326	L	MLB3	20000
12.326	L	MSQPL	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	VuF4	20000
12.326	L	PTMob	20000
12.326	L	DPG1	20000
12.326	L	NDEMO	20000
12.326	L	NFL3h	20000
12.326	L	PZGLP	20000
12.326	L	Rdiag	20000
12.326	L	STiS	20000
12.341	R	APTNn	20000
12.341	R	BabyE	20000
●12.341	R	BabyF	20000
12.341	R	BabyS	20000
12.341	R	CBCDC	20000
12.341	R	CH-Vi	20000
12.341	R	CITYV	20000
12.341	R	CTV-V	20000
12.341	R	DvCH	20000
12.341	R	DvCTV	20000
12.341	R	DvCTY	20000
12.341	R	DvE!	20000
12.341	R	DvPBS	20000
12.341	R	E!BC	20000
●12.341	R	iTV	20000
●12.341	R	iTV8	20000
12.341	R	KNOW	20000
●12.341	R	NHL-V	20000
12.341	R	PBS-W	20000
12.341	R	SUNTV	20000
12.341	R	TFFSD	20000
12.341	R	TV5	20000
●12.341	R	Vu	20000
12.341	R	Vu6	20000
12.341	R	VuF6	20000
●12.341	R	VuS32	20000
12.341	R	CBC1V	20000
12.341	R	CBC2V	20000
12.341	R	PC-V	20000
12.341	R	RG5	20000
12.341	R	RMTE	20000
12.341	R	RMTF	20000
12.341	R	TPSi	20000
12.355	L	ABC-W	20000
12.355	L	ANIML	20000
12.355	L	BNN	20000
12.355	L	DvABC	20000
12.355	L	HGTDv	20000
12.355	L	HGTV	20000
12.355	L	MLB6	20000
12.355	L	MMM	20000
12.355	L	MPIX	20000
12.355	L	NCAA1	20000
12.355	L	NFL6	20000
12.355	L	SNETP	20000
12.355	L	SRC-W	20000
12.355	L	TREDv	20000
12.355	L	TREE	20000
12.355	L	Vu30	20000
12.355	L	GXY10	20000
12.355	L	GXY11	20000
12.355	L	GXY20	20000
12.355	L	GXY21	20000
12.355	L	GXY23	20000
12.355	L	GXY38	20000
12.355	L	NFL6h	20000
12.355	L	RG6	20000
12.355	L	RG7	20000
12.370	R	BET	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	FOX-W	20000
12.370	R	MET*	20000
12.370	R	MET-i	20000
12.370	R	METEO	20000
12.370	R	MMDVi	20000
12.370	R	NFL-N	20000
●12.370	R	NHL-C	20000
12.370	R	PBS-E	20000
12.370	R	PBSDv	20000
●12.370	R	RUGBY	20000
12.370	R	Vu19	20000
12.370	R	WEA	20000
12.370	R	WEA*	20000
12.370	R	WEA-i	20000
12.370	R	WeDVi	20000
12.370	R	WGN	20000
12.370	R	CBC1T	20000
12.370	R	CBC2T	20000
12.370	R	CJRT	20000
12.370	R	DESJA	20000
12.370	R	METRO	20000
12.370	R	NPR*	20000
12.370	R	RIGA	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-H	20000
12.384	L	CAN-Z	20000
12.384	L	SE	20000
12.384	L	SE2	20000
12.384	L	SE3	20000
12.384	L	SE4	20000
12.384	L	SERIE	20000
12.384	L	SRC-V	20000
12.384	L	VRAK	20000
12.384	L	AddRe	20000
12.384	L	DPG4	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	FIGHT	20000
●12.399	R	FIGHT*	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	SUPR1	20000
12.399	R	TROP	20000
12.399	R	TRPDv	20000
12.399	R	VISON	20000
12.399	R	Vison	20000
12.399	R	VISON	20000
12.399	R	Vu27	20000
12.399	R	VuF13	20000
12.399	R	D8FF4	20000
12.399	R	D8FF6	20000
12.399	R	D8FF7	20000
12.399	R	D8FF9	20000
12.399	R	D8FFB	20000
12.399	R	D8FFC	20000
12.399	R	D8FFF	20000
12.399	R	iMETE_AP	20000
12.399	R	iMETS	20000
12.399	R	iWEAS	20000
12.399	R	iWTHR_AP	20000
12.399	R	NFL9h	20000
12.414	L	CBC-M	20000
12.414	L	CIVIL	20000
12.414	L	ESPNc	20000
12.414	L	MUSMX	20000
12.414	L	NCAR1	20000
12.414	L	OMNI2	20000
12.414	L	ONE	20000
12.414	L	ONEDv	20000
12.414	L	Prise	20000
12.414	L	RCVu3	20000
12.414	L	SHO-E	20000
12.414	L	SPIKE	20000
12.414	L	Vu21	20000
12.414	L	OnHD	20000
12.428	R	ASN	20000
12.428	R	BOOK	20000
12.428	R	CITYW	20000
12.428	R	COURT	20000
12.428	R	GLB-H	20000
12.428	R	HPI-1	20000
12.428	R	HPI-2	20000
12.428	R	MLB2	20000
12.428	R	NFL2	20000
12.428	R	NHL2	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	MOVIE	20000
12.428	R	MOVIE2	20000
12.428	R	NFL2h	20000
12.428	R	RG4	20000
12.428	R	RG8	20000
12.443	L	ACCES	20000
12.443	L	ATV	20000
12.443	L	CBC-H	20000
12.443	L	CBCDC	20000
12.443	L	CITYE	20000
12.443	L	CLT	20000
12.443	L	KNOW	20000
12.443	L	RFO	20000
12.443	L	SCN	20000
12.443	L	CBC1H	20000
12.443	L	CBC1V	20000
12.443	L	CBC2V	20000
12.443	L	CHED	20000
12.443	L	OZ-FM	20000
12.443	L	PC-V	20000
12.443	L	VOAR	20000
12.443	L	BILE	20000
12.443	L	BILF	20000
12.443	L	KIDE	20000
12.443	L	KIDF	20000
12.443	L	KIDSF	20000
12.443	L	KIDSS	20000
12.443	L	RG9	20000
12.443	L	SLFSV	20000
12.443	L	SSrv4	20000
12.443	L	SSrv6	20000
12.443	L	{Empty}	20000
12.457	R	EA1	20000
12.457	R	EA2	20000
12.457	R	FAM-W	20000
12.457	R	FMLY	20000
12.457	R	GolSP	20000
12.457	R	GolTV	20000
12.457	R	MC1	20000
12.457	R	MC2	20000
12.457	R	MC3	20000
12.457	R	MC4	20000
12.457	R	TOONE	20000
12.457	R	TOONF	20000
12.457	R	TOONW	20000
12.457	R	TTeDv	20000
12.457	R	TTfDv	20000
12.457	R	TTwDv	20000
12.472	L	CBC-C	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-S	20000
12.472	L	GLCDv	20000
12.472	L	GLSDv	20000
12.472	L	MIRCL	20000
12.472	L	PLBOY	20000
12.472	L	SEXTV	20000
12.472	L	VENUS	20000
12.472	L	105FM	20000
12.472	L	960AM	20000
12.472	L	EDGE	20000
12.472	L	iHORO_E	20000
12.472	L	iHORO_F	20000
12.472	L	iHRES	20000
12.472	L	iHRFS	20000
12.472	L	iTRIV_AP	20000
12.472	L	NTNS	20000
12.472	L	PC	20000
12.472	L	PCS	20000
12.472	L	VENLP	20000

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

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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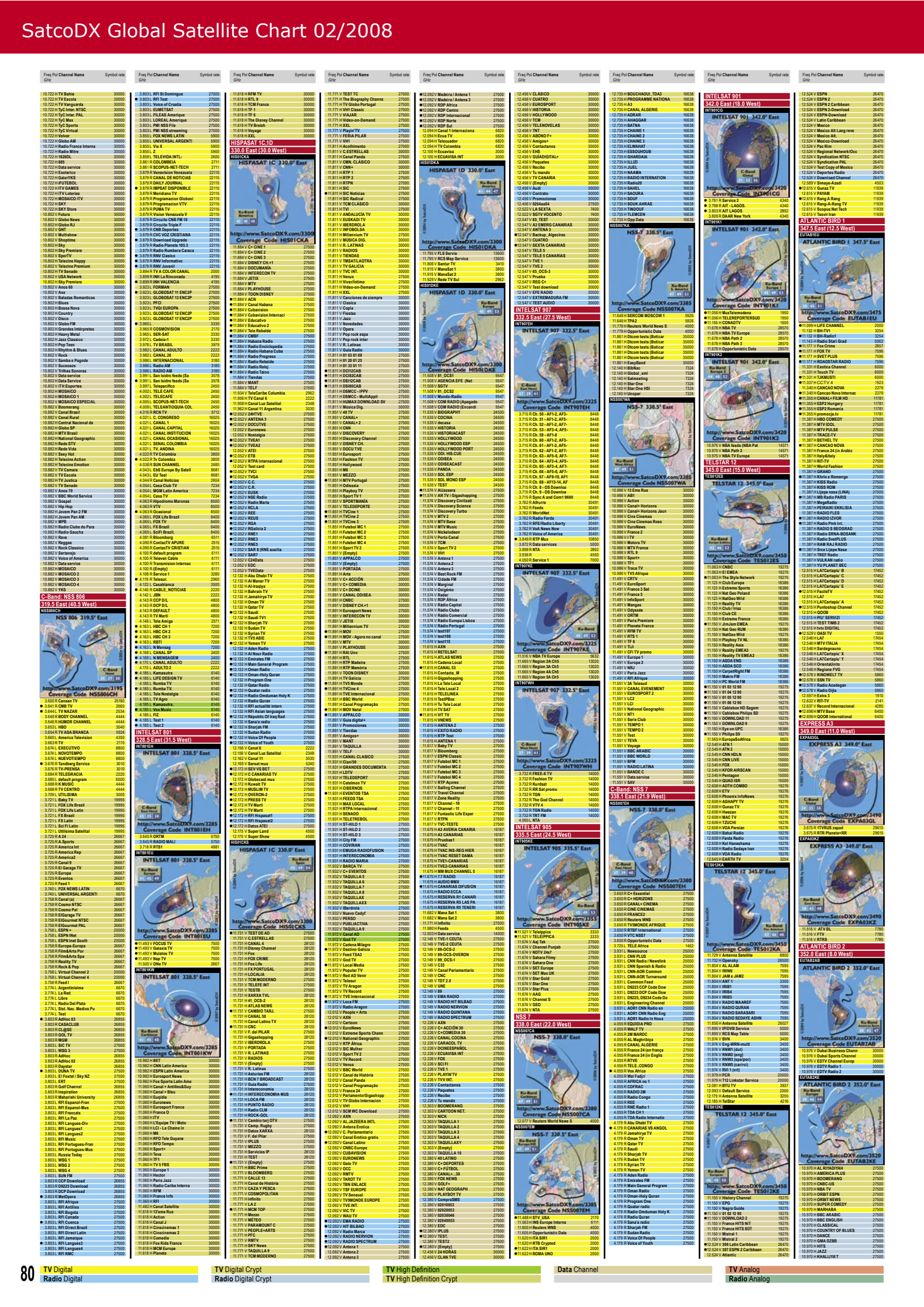

TV Digital
Radio Digital
TV Digital Crypt
Radio Digital Crypt
TV High Definition
TV High Definition Crypt
Data Channel
TV Analog
Radio Analog

Freq GHz	Pol	Channel Name	Symbol rate
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	SUPER GOLD	27500
10.970	H	TARABIYA'T	27500
10.970	H	VIRGIN RADIO	27500
10.970	H	EPG	27500
●10.970	H	HUMAX OTA	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
11.008	H	ANIMAL PLANET	27500
11.008	H	BBC PRIME	27500
●11.008	H	DISCOVERY SCIENCE	27500
●11.008	H	DISNEY CHANNEL	27500
●11.008	H	DISNEY PLAYHOUSE	27500
11.008	H	EURONEWS	27500
11.008	H	MUSIC NOW	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	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	SDSJ3	27500
11.092	H	Rotana Europe	10000
●11.092	H	STILL	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
11.093	H	Rotana	10000
●11.093	H	Rotana Europe	10000
●11.093	H	STILL	10000
●11.093	H	XLnt Arabian Nights	10000
●11.093	H	XLnt Comedy	10000
●11.093	H	XLnt Hits	10000
●11.093	H	XLnt HotPop	10000
●11.093	H	XLnt HotPop Gold	10000
●11.093	H	XLnt Kiddo FM	10000
●11.093	H	XLnt Lite	10000
●11.093	H	XLnt NederPop Gold	10000
●11.093	H	XLnt NederPop Nu	10000
●11.093	H	XLnt Nostalgie	10000
●11.093	H	XLnt PiratenHits	10000
●11.093	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
12.530	V	skyDSL/cableDSL	27500
12.537	H	K3 Kulturkanal	3038
●12.570	V	Al-Huda	27500
●12.570	V	Al-Kheel	27500
●12.570	V	Al-Majd-3	27500
●12.570	V	Al-Sahraa-TV	27500
●12.570	V	Arrai	27500
●12.570	V	Atlas-Television	27500
●12.570	V	Atlas_TV	27500
●12.570	V	DM-TV	27500
●12.570	V	NART	27500
●12.570	V	New-TV	27500
●12.570	V	Atlas	27500
12.606	V	Canal+	
12.649	V	Bundesliga 2 - Kabel	27500
12.649	V	Bundesliga 7 - Kabel	27500
12.649	V	Adult Channel	27500
12.649	V	Blue Hustler	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

Freq GHz	Pol	Channel Name	Symbol rate
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
12.748	H	Radio	1100

BIRD 4
353.0 East (7.0 West)

EUTAB4MK

Freq GHz	Pol	Channel Name	Symbol rate
10.795	V	Addounia	27500
●10.795	V	Al Amaken	27500
10.795	V	Al Mukhtalif	27500
●10.795	V	AL Tejariah	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	Oman TV2	27500
10.795	V	Tunis 7	27500
●10.795	V	Zagros	27500

Freq GHz	Pol	Channel Name	Symbol rate
10.795	V	Tunis Culture	27500
10.795	V	Tunis International	27500
10.795	V	Tunis National	27500
●10.834	V	Al Ahd	27500
●10.834	V	Al Badr	27500
●10.834	V	Al Forqan	27500
●10.834	V	Al Iraqia	27500
●10.834	V	Alseha Waljamal	27500
●10.834	V	Cairo-Univ1	27500
●10.834	V	Iraqia Atyaf	27500
●10.834	V	Iraqia Mubasher	27500
●10.834	V	Iraqia Sport	27500
●10.834	V	Najah 2	27500
●10.834	V	Temp1	27500
●10.834	V	Temp2	27500
●10.834	V	Tunisie 21	27500
●10.834	V	Algeel Radio	27500
●10.834	V	Baghdad Radio	27500
●10.834	V	Iraqia Quran	27500
●10.834	V	Shahrazad Radio	27500
●10.853	H	2M Plus	27500
●10.853	H	A3mal	27500
●10.853	H	Afak	27500
●10.853	H	Al Hekma	27500
●10.853	H	Al Rahma	27500
●10.853	H	Assaa	27500
●10.853	H	BARAKA	27500
●10.853	H	Dream Sport	27500
●10.853	H	LifeStyle TV	27500
●10.853	H	Marina TV	27500
●10.853	H	Melody TRIX	27500
●10.853	H	MODERN	27500
●10.853	H	Modern Sport	27500
●10.872	V	Afrah	27500
●10.872	V	Al-Maaref	27500
10.872	V	Al-Tawasol	27500
●10.872	V	Fatwa	27500
●10.872	V	Fun-TV	27500
●10.872	V	Koora	27500
●10.872	V	Layalina	27500
●10.872	V	Noorsat Test	27500
●10.872	V	Noorsat-Test	27500
10.872	V	Tahane	27500
10.872	V	Zameen TV	27500
●10.892	H	AL-Qeithara	27500
●10.892	H	Al-Watan-TV	27500
●10.892	H	Bahry	27500
●10.892	H	Bait El 7alal	27500
●10.892	H	FEED	27500
●10.892	H	Karbala	27500
●10.892	H	Kurdsat	27500
●10.892	H	MTA International	27500
●10.892	H	OTV	27500
●10.892	H	Rusiya Al-Yaum	27500
●10.892	H	VIN TV	27500
●10.892	H	WTV	27500
●10.892	H	93.6 RAM FM	27500
10.910	V	Al-Aqsa	27500
10.910	V	Al-Fayhaa	27500
10.910	V	Al-Mustakila	27500
●10.910	V	Alittihad	27500
●10.910	V	Arrai	27500
10.910	V	Atlas	27500
10.910	V	Euronews	27500
10.910	V	MiX	27500
●10.910	V	Noorsat Test	27500
●10.910	V	Oman TV 2	27500
●10.910	V	OSCAR	27500
10.910	V	Shada TV	27500
10.930	H	INDUS VISION	27500
10.930	H	Monasbat	27500
●10.930	H	VIP 1	27500
●10.930	H	Aaj TV	27500
●10.930	H	Aghanina	27500
10.930	H	AL-BABELEYA	27500
10.930	H	ARAB TV	27500
10.930	H	Live TV	27500

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Freq GHz	Pol	Channel Name	Symbol rate
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	Abu Dhabi Radio	27500
11.747	V	Radio Alforat	27500
11.747	V	SGMIN	27500
●11.766	H	AL HIDAYAH	27500
●11.766	H	AL Hurra Iraq	27500
●11.766	H	Al Mishkat	27500
●11.766	H	AL MONOWA	27500
●11.766	H	Al-Resala	27500
●11.766	H	Alrai TV	27500
●11.766	H	BBCW	27500
●11.766	H	Ch 1	27500
●11.766	H	ESC 1	27500
●11.766	H	Jaras TV	27500
●11.766	H	NileTV	27500
●11.766	H	Rotana Cinema	27500
●11.766	H	Selevision TV	27500
●11.766	H	TEST	27500
●11.766	H	AL-Aghani	27500
●11.766	H	AL-Akhbar	27500
●11.766	H	AL-bernameg AL-aam	27500
●11.766	H	AL-bernameg AL-Abery	27500
●11.766	H	AL-Bernameg AL-mouss	27500
●11.766	H	AL-bernameg AL-orobi	27500
●11.766	H	AL-Kahera Al-Kobra	27500
●11.766	H	AL-Kebar	27500
●11.766	H	AL-Menia	27500
●11.766	H	AL-Quran AL_Karem	27500
●11.766	H	AL-shabab Wa AL-reya	27500
●11.766	H	AL-Sharg AL-awsat	27500
●11.766	H	Matrouh	27500
●11.766	H	Mowagahat-3	27500
●11.766	H	Mowagahat-4	27500
●11.766	H	Mowagahat-5	27500
●11.766	H	Sout AL-arab	27500
●11.766	H	Wadi Al-neil & Phala	27500
●11.766	H	Wasat-ALdelta	27500
●11.766	H	WRN Sawt Al-Alam	27500
●11.766	H	Humax Data Broadca	27500
●11.766	H	HUMAX DOWNLOAD SV	27500
●11.766	H	HUMAX OTA	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	Nile Drama	27500
11.843	H	Nile Sport	27500
11.843	H	Nile Variety	27500
●11.843	H	AL Jamahirya	27500
●11.843	H	AL Saha 2	27500
11.843	H	Cham TV	27500
●11.843	H	Dream 2	27500
●11.843	H	Fashion TV	27500
●11.843	H	FNON	27500
11.843	H	Nile Culture	27500
11.843	H	Nile Family	27500
11.843	H	Nile News	27500
11.843	H	Sowalif	27500
11.843	H	Tanweer	27500
●11.843	H	AlWadi AlGaded	27500
●11.843	H	ART AlTheker	27500
11.843	H	BBC (A)	27500
11.843	H	BBC (E)	27500
11.843	H	Prog21	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	RMCMO	27500
●11.843	H	Umdorman radio	27500
11.861	V	Disney Channel	27500
●11.861	V	E! Entertainment	27500
11.861	V	Extreme Sports	27500
●11.861	V	Nat Geo Wild	27500
11.861	V	ShowComedy Extra	27500
●11.861	V	ShowShasha	27500
●11.861	V	ShowShasha Extra	27500
11.861	V	Al Waha	27500
11.861	V	Chatco	27500
11.861	V	City 7 TV	27500

Freq GHz	Pol	Channel Name	Symbol rate
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
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

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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	ALRAFIDEN	27500
11.919	H	BAGHDAD TV	27500
11.919	H	Flash	27500
●11.919	H	Iraqia TV	27500
11.919	H	Kanati TV	27500
●11.919	H	Poet	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	DAR ALSALAM Radio	27500
●11.919	H	NIS Cesium	27500
●11.919	H	Test	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	ESP	27500
●11.957	H	Eurosport News	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	Fashion TV	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	SOD	27500
●11.977	V	Future News	27500
●11.977	V	Maktoob TV	27500
●11.977	V	MTV Arabia	27500
●11.977	V	Sharjah TV2	27500
●11.977	V	Spare	27500
11.977	V	Wanasah	27500
●11.996	H	ShowComedy	27500
●11.996	H	ShowMovies 1	27500
●11.996	H	ShowMovies 2	27500
●11.996	H	ShowMovies Act	27500
●11.996	H	ShowMovies Com	27500
●11.996	H	ShowMovies Fam	27500
●11.996	H	ShowSeries	27500
●11.996	H	ShowSeries Extra	27500
●11.996	H	ShowSport1	27500
●11.996	H	ShowSport2	27500
●11.996	H	ShowSport3	27500
●11.996	H	ShowSport4	27500
●11.996	H	ShowSports 3	27500
●12.015	V	----	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	Shababiyah	27500
12.015	V	Smile TV	27500
12.015	V	Space Toon	27500
12.015	V	Strike	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	test	27500
●12.034	H	ARZKR	27500
●12.054	V	AD Sport TV	27500
●12.054	V	AL Zahabiya	27500
●12.054	V	Al-Alam	27500
●12.054	V	AL-Anwar	27500
●12.054	V	Al-Majd3	27500
●12.054	V	ALKASS TV	27500
●12.054	V	Bedaya	27500
●12.054	V	Hannibal	27500
●12.054	V	Hi TV	27500
●12.054	V	Mara7 TV	27500
●12.054	V	MC	27500
●12.054	V	Osool	27500
●12.054	V	Rotana Zaman	27500
●12.054	V	Selevision Data Comm	27500
●12.054	V	Tasliya	27500
●12.054	V	test	27500
●12.054	V	DAL	27500
●12.073	H	BBC Food	27500
●12.073	H	Boomerang	27500
●12.073	H	Cartoon Network	27500
●12.073	H	CNBC Europe	27500
●12.073	H	Hallmark	27500
●12.073	H	MTV Music	27500
●12.073	H	Show Kids	27500
●12.073	H	Style Network	27500
●12.073	H	T433	27500
●12.073	H	TCM	27500
●12.073	H	Travel Channel	27500
●12.073	H	Vh1	27500
●12.073	H	CNN	27500
●12.073	H	test	27500
●12.073	H	Music Choice 1	27500
●12.073	H	Music Choice 10	27500
●12.073	H	Music Choice 2	27500
●12.073	H	Music Choice 3	27500
●12.073	H	Music Choice 4	27500
●12.073	H	Music Choice 5	27500
●12.073	H	Music Choice 6	27500
●12.073	H	Music Choice 7	27500
●12.073	H	Music Choice 8	27500
●12.073	H	Music Choice 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	test	27500
●12.130	V	Leb Radio 3	27500
●12.130	V	Leb Radio4	27500
●12.130	V	Leb Radio6	27500

Freq GHz	Pol	Channel Name	Symbol rate
●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	test	27500
●12.149	H	European	27500
●12.149	H	Holy Quran	27500
●12.149	H	Radio-5	27500
●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	test	27500
●12.207	V	TV A3	27500
●12.207	V	WOW	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	NOJOOM 2	27500
●12.226	H	NOJOOM 4	27500
●12.226	H	test	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	JSC Sports +3	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	test	27500
●12.303	H	FEED1	27500
●12.303	H	Kairali	27500
●12.303	H	NEOSP	27500
●12.303	H	PrSPR	27500
●12.303	H	Shara1	27500
●12.303	H	VIP 3	27500
●12.303	H	A1TV	27500
●12.303	H	Al Diyar	27500
●12.303	H	ALHAKEKA	27500
●12.303	H	ISHTAR TV	27500
●12.303	H	LBC EU	27500
●12.303	H	Live TV	27500
●12.303	H	Nourmina	27500
●12.303	H	Seven Stars	27500
●12.303	H	Spare	27500
●12.303	H	test	27500
●12.303	H	Rotana Radio Jordan	27500
●12.341	V	AL Aan	27500
●12.341	V	ASIA BUSINESS TV	27500
●12.341	V	DECISION MAKER TV	27500
●12.341	V	FATAFEAT	27500
●12.341	V	i2 TV	27500
●12.341	V	Jawna	27500
●12.341	V	NDTV ARABIA	27500
●12.341	V	RAK TV	27500
●12.341	V	Samacom Feed	27500
●12.341	V	Space Toon English	27500
●12.341	V	test	27500
●12.360	H	A LPHA Shop	27500
●12.360	H	Al Badeel	27500
●12.360	H	Al Hafez	27500
●12.360	H	Al Mowselya TV	27500
●12.360	H	ALLIBIYA	27500
●12.360	H	ALSALAM	27500
●12.360	H	ANN TV	27500
●12.360	H	ATTAWASUL	27500
●12.360	H	DIJLA	27500
●12.360	H	LIBYA AL-RIADHIA	27500
●12.360	H	LIBYA AL-RIADHIA	27500
●12.360	H	Nahrin	27500
●12.360	H	Panorama Drama	27500
●12.360	H	SCOPE Tv	27500
●12.360	H	Smash TV	27500
●12.360	H	test	27500
●12.360	H	ALLIBIYA FM1	27500
●12.360	H	AlSalam Radio	27500
●12.399	H	AL-Adalah	27500
●12.399	H	AlHURRIA TV	27500
●12.399	H	ALJamahereya ALLib	27500
●12.399	H	ALMasar TV	27500
●12.399	H	Ghinaeya	27500
●12.399	H	Kurdistan TV	27500
●12.399	H	Lebanon TV	27500
●12.399	H	Mawal	27500
●12.399	H	OTV	27500
●12.399	H	Qamar-Kh	27500
●12.399	H	Test	27500
●12.399	H	test	27500
●12.399	H	Test	27500
●12.399	H	TSN	27500
●12.399	H	TURKMEN TV	27500
●12.399	H	Venus TV	27500
●12.399	H	ALJamahereya R	27500

ATLANTIC BIRD 3
355.0 East (5.0 West)

EUTAB3SB

Freq GHz	Pol	Channel Name	Symbol rate
●10.966	V	CNES DEMO	2666
●10.975	V	OIV Feed 3 (OIV Fe	2894
●10.975	V	OIV Feed 3 (Radio	2894
10.980	V	Kapital Network	1953
●11.064	H	BOUCHAOUI_TDA3	16270
●11.064	H	PROGRAMME NATIONA	16270
●11.064	H	A3	16270
●11.064	H	CANAL ALGERIE	16270
●11.064	H	CHAINE 1	16270
●11.064	H	CHAINE 2	16270
●11.064	H	CHAINE 3	16270
●11.064	H	RADIO INTERNATION	16270
●11.064	H	Radio20	16270
●11.064	H	SAHEL	16270
●11.064	H	Opp Data	16270
●11.070	V	ELPITEL MCR	3214
11.455	V	TMC	6666
●11.512	V	BFM	29950
●11.512	V	CINE FIRST	29950
●11.512	V	CINE FX	29950
●11.512	V	CINE POLAR	29950
●11.512	V	CINE POP	29950
●11.512	V	Direct 8	29950
●11.512	V	DORCEL TV	29950
●11.512	V	EUROPE 2 TV	29950
●11.512	V	France 4	29950
●11.512	V	France O	29950
●11.512	V	GULLI	29950
●11.512	V	NRJ12	29950
●11.512	V	TMC	29950
●11.512	V	VIDEOCLICK	29950
●11.512	V	TV8 Mont Blanc	29950
●11.554	V	ARTE HD	29950
●11.554	V	AB 1	29950
●11.554	V	AB MOTEURS	29950
●11.554	V	ACTION	29950
●11.554	V	CHASSE & PECHE	29950
●11.554	V	ESCALES	29950
●11.554	V	Fit / toute l'Histoi	29950
●11.554	V	MANGAS	29950
●11.554	V	NT1	29950
●11.554	V	RTL9	29950
●11.554	V	TF1	29950
●11.554	V	ZIK' / XXL	29950
●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 5	20000
11.590	V	LCP	20000
11.609	V	France3 Grenoble	6944
11.609	V	ViaStella	6944
●11.675	V	Boing	27000
●11.675	V	Italia 1	27000
●11.675	V	Mediashopping	27000
●11.675	V	Rete 4	27000
●11.675	V	Servizio M_e	27000
●11.675	V	Servizio16 (Italia1)	27000
●11.675	V	Servizio17 (Rete4)	27000
●11.675	V	Servizio18(Mediashop	27000
●11.675	V	Servizio20 (Boing)	27000
●11.675	V	Sportitalia	27000
12.522	V	M6	
12.522	V	Mood Music 2	
12.543	H	MCM Belgique	27500
●12.543	H	Fox Life	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	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

Freq GHz	Pol	Channel Name	Symbol rate
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
12.564	V	France 2	
12.564	V	Audio test tone	
12.564	V	Berbere Radio	
12.587	H	test	27500
12.606	V	Arte Francais	
12.606	V	France 5	
●12.640	H	PINK SUI	2315
12.648	V	CANAL+ France	
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	Galaxy	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	Sexxx	8790
12.614	H	TAPESH TV2	8790
12.614	H	RADIO CAPRI	8790
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
● 3.646	R	Tele Sahel	2170
3.653	R	2M MAROC	2170
3.653	R	RADIO 2M	2170
3.658	R	KTN NGONG ENC A	2892
3.711	L	CRTV	3463
3.727	R	CFIAFRPRO2	29950
3.727	R	CFIAFRPRO1	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 2	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
● 4.157	L	RTN GABON	8010
● 4.157	L	TV1 GABON	8010
● 4.157	L	TV2 GABON	8010
4.157	L	RADIO AFRICA+	8010
4.157	L	RADIO AFRICA1	8010
● 4.157	L	RADIO GABON	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	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

Freq GHz	Pol	Channel Name	Symbol rate
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	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	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	Disc-Science	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	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

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	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	Boom Music	27500
10.842	H	Radio Guerrilla	27500
10.842	H	Radio Deea	27500
10.842	H	Games	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	Favorit TV	27500
10.924	H	Kanal D	27500
10.924	H	Nat. Geographic	27500
10.924	H	TVR Cultural	27500
10.924	H	{Empty}	27500
11.165	H	Fashion TV	8888
●11.165	H	PLAY TV	8888
●11.165	H	TEST MKD 1	8888
●11.165	H	WORLD SPORT TRANS	8888
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	Juventus Radio	27500
●11.260	H	Gong Radio	27500
11.260	H	jazzradio.hu	27500
11.303	H	SK PL	19540
11.303	H	SK PL +	19540
11.303	H	Sportklub	19540
11.303	H	Vitál TV	19540
11.303	H	ATV	19540
11.303	H	Radio1	19540
11.303	H	Katolikus Radio	19540
●11.323	H	NET 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	NTV HAYAT BIH	5926
●11.427	H	NTV HAYAT SAT	5926
●11.427	H	SLO-001	5926
●11.427	H	Radio Stari Grad	5926
11.435	H	NOLL TV	2089
●11.435	H	TV Oltenia	2089
11.443	H	Partener TV	4164
●11.443	H	TVRM	4164
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
●11.575	H	CNL Siberia	8888
●11.575	H	CNL Ukraine	8888
●11.575	H	FEED	8888
●11.575	H	FilmBOX	8888
●11.575	H	LIFE TV Estonia	8888
●11.586	H	Carli TV	7957
●11.586	H	Golica	7957
●11.586	H	MTV Adria	7957
●11.586	H	{Empty}	7957

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
●10.759	H	ICTV	30000
●10.759	H	KIEV STB	30000
●10.759	H	M1	30000
●10.759	H	M2	30000
●10.759	H	MTV_UKRAINE	30000
●10.759	H	NEWS 24	30000
●10.759	H	TONIS	30000
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 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 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 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	Internal	27500
10.805	H	OS Download	27500
10.889	V	Fashion TV	27500
●10.890	H	Acasa TV	27500
●10.890	H	Antena 3	27500
●10.890	H	AXN	27500
●10.890	H	AXN Crime	27500
●10.890	H	Cartoon Network	27500
●10.890	H	Cinemax	27500
●10.890	H	Euphoria	27500
●10.890	H	Eurosport	27500
●10.890	H	HBO Romania	27500
●10.890	H	Jetix	27500
●10.890	H	Pro Cinema	27500
●10.890	H	PRO TV	27500
●10.890	H	TCM	27500
●10.890	H	TV 1000	27500
●10.890	H	TVR 1	27500
●10.890	H	TVR 2	27500
●10.890	H	Viasat Explorer	27500
10.924	H	Extreme Sports	27500
10.924	H	Sport Klub Ro	27500
10.924	H	Viasat History	27500
11.413	H	HBO Comedy Czech	7925
11.413	H	HBO Comedy Hungary	7925
11.413	H	HBO Comedy Poland	7925
11.413	H	HBO Comedy Romania	7925
●11.413	H	HBO Pol Orig	7925
●11.413	H	HBO Poland	7925
●11.413	H	HBO Poland (AC3)	7925
11.413	H	HBO Poland for STB	7925
11.413	H	HBO2 Poland	7925
●11.413	H	HBO2 Poland for ST	7925
11.413	H	HBO2 Poland Origin	7925
11.413	H	Test Channel	7925
11.626	H	IP/DVB Service	4000
11.626	H	RCS Map Table	4000
●11.650	H	MTV Romania	21350
●11.650	H	Telesport	21350
●11.650	H	B1 TV	21350
●11.650	H	Good Life Channel	21350
●11.650	H	Senso	21350
●11.650	H	Trinitas TV	21350
●11.650	H	TV Neptun	21350
●11.650	H	Radio Logos	21350
●11.650	H	Radio Reintregirea	21350
●11.650	H	Trinitas	21350
●11.690	H	MUSIC BOX	7200

AMO002ME

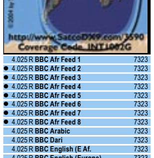
Freq GHz	Pol	Channel Name	Symbol rate
10.720	V	BBC World	27500
10.720	V	Cartoon Network	27500
10.720	V	DVDbox	27500
10.720	V	Eurosport News	27500
10.720	V	Interstar	27500
10.720	V	MBC	27500
10.720	V	METV	27500
10.720	V	Planeta sport	27500
10.720	V	Private Blue	27500
10.720	V	Pro TV	27500
10.720	V	RTM	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	Game One	27500
10.758	V	LBC	27500
10.758	V	Nashe Kino	27500
10.758	V	RTL	27500
10.758	V	RTR	27500
10.758	V	RTV International	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	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	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	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
●12.607	V	SW DW Humax3	27500
12.643	H	Acasa	27500
12.643	V	Animal Planet CE	27500
12.643	H	AXN	27500
12.643	V	Cool TV	27500
●12.643	V	Discovery Ch	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	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	V	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 Channel	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 CE	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 PLUS	8800
●12.735	V	RTV21-RADIO21	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

Freq GHz	Pol	Channel Name	Symbol rate
4.175	R	Atlantic 9	28000
4.175	R	Engineering Channel	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	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
● 4.180	L	El-Masrya	21050
● 4.180	L	El-Masrya-USA	21050
● 4.180	L	Nile Drama	21050
● 4.180	L	Nile News	21050
● 4.180	L	Nile TV Int	21050
4.180	L	test	21050
● 4.180	L	Test 1	21050

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 Sport	24500
11.247	V	TV 2 Filmkanalen	24500
11.247	V	TV 2 Nyhetskanalen	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	Aftonbladet TV7	24500
●11.261	H	CANAL 69	24500
●11.261	H	CANAL+ ACTION	24500
11.261	H	CANAL+ SPORT 2	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
●11.261	H	CANAL+ SPORT EXTR	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	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	FEM	24500
11.325	H	Gospel Channel Europ	24500
11.325	H	Telenor SE	24500
●11.341	V	History Chnl HD	25000
11.341	V	Silver HD	25000
11.341	V	svt-hd old	25000
●11.341	V	Test	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	NRK1 Nordnytt	24500
11.372	V	NRK2	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 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	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	TV-biljett 4	24500
11.389	H	TV-biljett 5	24500
11.389	H	Kanal 9	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+ FILM HD	25000
11.421	H	CANAL+ SPORT 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

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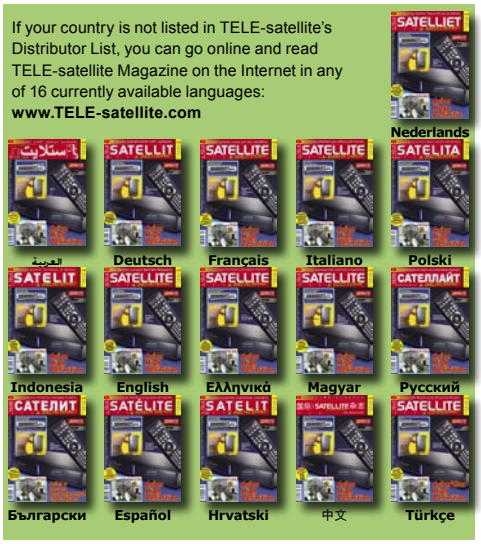

TELE-satellite Magazine is available at the "Eslite" bookshop chain in Taiwan, like at this outlet in the underground shopping mall at Taipei's main station

Iwan Tanudibroto (left) is the owner of P.T. Indoprom Indonesia, and holds up a copy of TELE-satellite magazine, which Indoprom distributes to bookshops around Indonesia. Alexander Wiese (right) is happy about the increase in magazine sales in Indonesia.

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