Intellian Technologies®
Communicate Smarter

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Intellian Satellite TV System

Enjoy all of your favorite satellite television programs at sea!

www.intelliantech.com

Intellian Technologies® is the world's technological leader in manufacturing a wide range of mobile satellite communication systems. In partnership with the leading global marine electronics manufacturer and distributor, Intellian Technologies has built a solid product to the highest standard known to the market. The company's foundation is based on highly talented professionals with unique backgrounds. The core of the R&D team includes a number of engineers who are industry leaders. The highly efficient Global Sales and Business Development team currently exports Intellian Technologies products to six continents and over 40 countries through both direct and OEM distribution.

Intellian Technologies has established its name with its introduction of the self-contained satellite antenna system, which provides access to high quality Satellite TV system in the open sea, even in the roughest weather conditions. With integrated DVB technology, the Intellian Satellite TV antenna is ideal for virtually all vessels. The system automatically identifies, acquires, and tracks satellite signals from all DVB-compatible satellites. With high-speed tracking, users will have non-stop access to their favorite channels.

Intellian Technologies is investing heavily in the development of satellite Communication products to provide access to high-speed internet and voice service. People will soon be able to enjoy high-speed internet and voice service at the same level of convenience, quality and performance of Intellian technologies' satellite television antenna products.

In partnership with the leading global marine electronics manufacturer and distributor, Intellian Technologies has built a solid product. Aside from the CE accreditation, FCC accreditation, RSS210 accreditation, Intellian Technologies' products have been tested to the highest level of standards known in the industry. Intellian Technologies will continue to maintain the highest level of standards and strive to introduce a variety of innovative satellite TV and communication antenna system for all industries.

i9 / i9P

Most powerful performance satellite TV antenna Intellian ever offered

Intellian i9 offers the most powerful and reliable satellite TV reception, ideal for both recreational and commercial vessels over 80 feet. With integrated GPS and Auto Skew Angle Control System, Intellian i9P makes fastest, steadiest , and the most reliable satellite search possible in the roughest sea conditions.

Features

Fully Automated System
- Automatic satellite search and identification function
- 2-axis step motor for manipulating the pedestal

High Quality Antenna
- 85 cm diameter of parabola-type antenna for receiving Ku-Band (10.7 ~ 12.75 GHz) satellite signal
- LHCP/RHCP or Horizontal / Vertical polarization
- Enabling powerful signal gain

Unsurpassed Dynamic Tracking
- Dynamic Beam Tilting (DBT) by rotating sub-reflector with high speed BLDC motor

Fastest Search Algorithm
- Wide Range Search (WRS) algorithm
- Statistical search algorithm

DVB (Digital Video Broadcasting) Signal Identification
- High speed identification employing a DVB decoder
- QPSK demodulator lock for DSS signals

Built-in GPS System
- Embedded GPS, which allows for the system to upload the GPS data automatically into the system

Built-in Auto Skew Angle Control System (i9P Only)
- Automatically change the skew position to the optimal skew angle at all times to ensure maximum level of satellite signal level

New Antenna Control Unit
- Easy satellite information change and update
- Easy antenna status check and automatic diagnosis
- Easy antenna control using PC interface
- Reliable power supply to the antenna
- Embedded HD module and TriSat function

* Auto Skew Angle Control System

* Embedded GPS Module

i9 / i9P Specification

PHYSICAL

Dimensions (diameter x height)	108 x 110 cm (42.5"x 43.3")
Weight	55 kg (121.2 lbs)
Antenna Dish	85 cm (33.5")

ENVIRONMENTAL

Operating Temp. Range	-25˚C to +55˚C (-13˚F to +131˚F)
Storage Temp. Range	-30˚C to +70˚C (-22˚F to +158˚F)
Shock	27 G, 11 msec
Approved	CE and FCC

PERFORMANCE

Frequency	Ku-Band (10.7 ~ 12.75 GHz)
Minimum EIRP	44 dBW
Azimuth Range	680˚
Elevation Range	-15˚ to +90˚
Roll & Pitch Range	Roll ±25˚, Pitch ±15˚
Roll & Pitch Rate	30˚ / second
Turn Rate Position	30˚ / second
Position Repeatability	0.1˚
LNB	Dual Output / Quad Output

ACU (Antenna Control Unit)

Dimensions	178 x 217 x 54 mm (7" x 8.5" x 2.1")
Weight	1.2 kg (2.6 lbs)
Display	2 Line 20 character VFD module
Control Key	5 Integrated Push Buttons
Serial Interface	19200 bps 8, N, 1, EIA, RS-232C
Power	Input : DC 10.8 ~ 15.6 V (Typ. 30W, Max 50W)
GPS Interface	Built-In (NMEA 0183 GPS)
Remote Control Interface	Available

i6 / i6P

Ideal for large vessels with unmatched antenna performance

High Definition (HD) ready, Intellian i6 is ideal for large vessels over 70 feet and offers highly accurate satellite tracking performance at sea. i6P's embedded GPS and Automatic Skew Control System enable antenna system to maintain optimal signal strength.

Features

Fully Automated System
- Automatic satellite search and identification function
- 2-axis step motor for manipulating the pedestal

High Quality Antenna
- 60cm diameter of parabola-type antenna for receiving Ku-Band (10.7 ~ 12.75 GHz) satellite signal
- LHCP / RHCP or Horizontal / Vertical polarization
- Enabling powerful signal gain

Superior Dynamic Tracking
- Dynamic Beam Tilting (DBT) by rotating sub-reflector

Fastest Search Algorithm
- Wide Range Search (WRS) algorithm
- Statistical search algorithm

DVB (Digital Video Broadcasting) Signal Identification
- High speed identification employing a DVB decoder
- QPSK demodulator lock for DSS signals

Built-in GPS System
- Embedded GPS, which allows for the system to upload the GPS data automatically into the system

Built-in Auto Skew Angle Control System (i6P Only)
- Automatically change the skew position to the optimal skew angle at all times to ensure maximum level of satellite signal level

New Antenna Control Unit
- Easy satellite information change and update
- Easy antenna status check and automatic diagnosis
- Easy antenna control using PC interface
- Reliable power supply to the antenna
- Embedded HD module and TriSat function

* Auto Skew Angle Control System

* Embedded GPS Module

i6 / i6P Specifications

PHYSICAL

Dimensions (diameter x height)	70 x 72 cm (27.5"x 28.3")
Weight	20 kg (44 lbs)
Antenna Dish	60 cm (23.6")

ENVIRONMENTAL

Operating Temp. Range	-15˚C to +55˚C (+5˚F to +131˚F)
Storage Temp. Range	-25˚C to +70˚C (-13˚F to +158˚F)
Shock	27 G, 11msec
Approved	CE and FCC

PERFORMANCE

Frequency	Ku-Band (10.7 ~ 12.75 GHz)
Minimum EIRP	47 dBW
Azimuth Range	680˚
Elevation Range	+5˚ to +90˚
Roll & Pitch Range	Roll ±25˚, Pitch ±15˚
Roll & Pitch Tracking	45˚/ second
Turn Rate Position	45˚/ second
Position Repeatability	0.1˚
LNB	Dual Output / Quad Output

ACU (Antenna Control Unit)

Dimensions	178 x 217 x 54 mm (7" x 8.5" x 2.1")
Weight	1.2 kg (2.6 lbs)
Display	2 Line 20 character VFD module
Control Key	5 Integrated Push Buttons
Serial Interface	19200 bps 8, N, 1, EIA, RS-232C
Power	Input : DC 10.8 ~ 15.6 V (Typ. 30 W, Max 50 W)
GPS Interface	Built-In (NMEA 0183 GPS)
Remote Control Interface	Available

i4

Most reliable tracking and fastest searching antenna in the world

Most popular size antenna for all types of boats that utilize Intellian Technologies' patent-pending WRS (Wide Range Search) and DBT (Dynamic Beam Tilting) technology for fast and stable tracking of satellite.

Features

Fully Automated System
- Automatic satellite search and identification function
- 2-axis step motor for manipulating the pedestal

High Quality Antenna
- 45cm diameter of parabola-type antenna for receiving Ku-Band (10.7 ~ 12.75 GHz) satellite signal
- LHCP / RHCP or Horizontal / Vertical polarization
- Enabling powerful signal gain

Superior Dynamic Tracking
- Dynamic Beam Tilting (DBT) by rotating sub-reflector with high speed BLDC motor

Fastest Search Algorithm
- Wide Range Search (WRS) algorithm
- Statistical search algorithm

DVB (Digital Video Broadcasting) Signal Identification
- High speed identification employing a DVB decoder
- QPSK demodulator lock for DSS signals

Built-in GPS System
- Embedded GPS, which allows for the system to upload the GPS data automatically into the system

New Antenna Control Unit
- Easy satellite information change and update
- Easy antenna status check and automatic diagnosis
- Easy antenna control using PC interface
- Reliable power supply to the antenna
- Embedded HD module and TriSat function

Easy Installation
- Single cable from ACU to antenna

* Dynamic Beam Tilting (DBT)

* Embedded GPS Module

i4 Specifications

PHYSICAL

Dimensions (diameter x height)	50 x 54 cm (19.7"x 21.2")
Weight	11.6 kg (21.5 lbs)
Antenna Dish	45cm (17.7")

ENVIRONMENTAL

Operating Temp. Range	-15˚C to +55˚C (+5˚F to +131˚F)
Storage Temp. Range	-25˚C to +70˚C (-13˚F to +158˚F)
Shock	27 G, 11 msec
Approved	CE and FCC

PERFORMANCE

Frequency	Ku-Band (10.7 ~ 12.75 GHz)
Minimum EIRP	49 dBW
Azimuth Range	680˚
Elevation Range	+0˚ to +90˚
Roll & Pitch Range	Roll ±25˚, Pitch ±15˚
Roll & Pitch Tracking	50˚/ second
Turn Rate Position	50˚/ second
Position Repeatability	0.1˚
LNB	Dual Output / Quad Output

ACU (Antenna Control Unit)

Dimensions	178 x 217 x 54 mm (7" x 8.5" x 2.1")
Weight	1.2 kg (2.6 lbs)
Display	2 Line 20 character VFD module
Control Key	5 Integrated Push Buttons
Serial Interface	19200 bps 8, N, 1, EIA, RS-232C
Power	Input : DC 10.8 ~ 15.6V (Typ. 30 W, Max 50 W)
GPS Interface	Built-In (NMEA 0183 GPS)
Remote Control Interface	Available

i3

Features small size and easy installation with powerful performance

Single cable from ACU to antenna, small and stylish radome and light weight antenna enable easy installation. The small size antenna allows for smaller vessels to fit the systems with space constraints.

Features

Fully Automated System
- Automatic satellite search and identification function
- 2-axis step motor for manipulating the pedestal

High Quality Antenna
- 37cm diameter of parabola-type antenna for receiving Ku-Band (10.7 ~ 12.75 GHz) satellite signal
- LHCP / RHCP or Horizontal / Vertical polarization
- Enabling powerful signal gain

Superior Dynamic Tracking
- Dynamic Beam Tilting (DBT) by rotating sub-reflector with high speed BLDC motor

Fastest Search Algorithm
- Wide Range Search (WRS) algorithm
- Statistical search algorithm

DVB (Digital Video Broadcasting) Signal Identification
- High speed identification employing a DVB decoder
- QPSK demodulator lock for DSS signals

Built-in GPS System
- Embedded GPS, which allows for the system to upload the GPS data automatically into the system

New Antenna Control Unit
- Easy satellite information change and update
- Easy antenna status check and automatic diagnosis
- Easy antenna control using PC interface
- Reliable power supply to the antenna
- Embedded HD module and TriSat function

Easy Installation
- Single cable from ACU to antenna

* Dynamic Beam Tilting (DBT)

* Embedded GPS Module

i3 Specifications

PHYSICAL

Dimensions (diameter x height)	43 x 44 cm (16.9"x 17.3")
Weight	9 kg (19.8 lbs)
Antenna Dish	37cm (14.6")

ENVIRONMENTAL

Operating Temp. Range	-15˚C to +55˚C (+5˚F to +131˚F)
Storage Temp. Range	-25˚C to +70˚C (-13˚F to +158˚F)
Shock	27 G, 11 msec
Approved	CE and FCC

PERFORMANCE

Frequency	Ku-Band (10.7 ~ 12.75 GHz)
Minimum EIRP	50 dBW
Azimuth Range	680˚
Elevation Range	+10˚ to +80˚
Roll & Pitch Range	Roll ±25˚, Pitch ±15˚
Roll & Pitch Tracking	60˚/ second
Turn Rate Position	60˚/ second
Position Repeatability	0.1˚
LNB	Dual Output

ACU (Antenna Control Unit)

Dimensions	178 x 217 x 54 mm (7" x 8.5" x 2.1")
Weight	1.2 kg (2.6 lbs)
Display	2 Line 20 character VFD module
Control Key	5 Integrated Push Buttons
Serial Interface	19200 bps 8, N, 1, EIA, RS-232C
Power	Input : DC 10.8 ~ 15.6V (Typ. 30 W, Max 50 W)
GPS Interface	Built-In (NMEA 0183 GPS)
Remote Control Interface	Available

i2

The first high-performance, compact satellite TV antenna system with complete integration of all high demand functions

With a breakthrough integrated HD module and TriSat funtion, Intellian i2 is compact marine satellite TV system that offers boaters to enjoy premium HDTV programs on waters freely without any superfluous devices, wirings and costs.

Features

Fully Automated System
- Automatic satellite search and identification function
- 2-axis step motor for manipulating the pedestal

High Quality Antenna
- 33cm diameter of parabola-type antenna for receiving Ku-Band (10.7~12.75 GHz) satellite signal
- LHCP / RHCP or Horizontal / Vertical polarization

Superior Dynamic Tracking
- Dynamic Beam Tilting (DBT) by rotating sub-reflector with high speed BLDC motor

Fastest Search Algorithm
- Wide Range Search (WRS) algorithm
- Statistical search algorithm

DVB (Digital Video Broadcasting) Signal Identification
- High speed identification employing a DVB decoder
- QPSK demodulator lock for DSS signals

Built-in GPS System
- Embedded GPS, which allows for the system to upload the GPS data automatically into the system

New Antenna Control Unit
- Easy satellite information change and update
- Easy antenna status check and automatic diagnosis
- Easy antenna control using PC interface
- Reliable power supply to the antenna
- Embedded HD module and TriSat function

Easy Installation
- Single cable from ACU to the antenna

* Dynamic Beam Tilting (DBT)

i2 Specifications

PHYSICAL

Dimensions (diameter x height)	37 x 40 cm (13.3" x 14.5")
Weight	4.8 kg (10.5 lbs)
Antenna Dish	33 cm (12.2")

ENVIRONMENTAL

Operating Temp. Range	-15˚C to +55˚C (+5˚F to +131˚F)
Storage Temp. Range	-25˚C to +70˚C (-13˚F to +158˚F)
Shock	27 G, 11 msec
Approved	CE and FCC

PERFORMANCE

Frequency	Ku-Band (10.7 ~ 12.75 GHz)
Minimum EIRP	51 dBW
Azimuth Range	680˚
Elevation Range	+10˚ to +80˚
Roll & Pitch Range	Roll ±25˚, Pitch ±15˚
Roll & Pitch Rate	60˚ / second
Turn Rate Position	60˚ / second
Position Repeatability	0.1˚
LNB	Dual Output

ACU (Antenna Control Unit)

Dimensions	178 x 217 x 54 mm (7" x 8.5" x 2.1")
Weight	1.2 kg (2.6 lbs)
Display	2 Line 20 character VFD module
Control Key	5 Integrated Push Buttons
Serial Interface	19200 bps 8, N, 1, EIA, RS-232C
Power	Input : DC 10.8~15.6V (Typ. 30 W, Max 50 W)
GPS Interface	Built-In (NMEA 0183 GPS)
Remote Control Interface	Available

i1

World's smallest marine satellite TV antenna system

i1, Intellian's smallest and newest satellite TV system offers uninterrupted satellite reception. With a unique spiral searching algorithm with Dynamic Beam Tilting (DBT) technology, Intellian i1 makes it possible to identify and acquire satellite signals quickly.

Features

Fully Automated System
- Automatic satellite search and identification function
- 2-axis step motor for manipulating the pedestal

High Quality Antenna
- 28cm diameter of parabola-type antenna for receiving Ku-Band (10.7 ~ 12.75 GHz) satellite signal
- LHCP / RHCP or Horizontal / Vertical polarization

Superior Dynamic Tracking
- Dynamic Beam Tilting (DBT) by rotating sub-reflector with high speed BLDC motor

Fastest Search Algorithm
- Wide Range Search (WRS) algorithm
- Statistical search algorithm

DVB (Digital Video Broadcasting) Signal Identification
- High speed identification employing a DVB decoder
- QPSK demodulator lock for DSS signals

Built-in NMEA 0183 GPS Interface
- Easy interface allowing a boat owner to have a separate GPS system can provide even higher performance

New Antenna Control Unit
- Easy satellite information change and update
- Easy antenna status check and automatic diagnosis
- Easy antenna control using PC interface
- Reliable power supply to the antenna
- Embedded TriSat function

Easy Installation
- Single cable from ACU to the antenna

* Dynamic Beam Tilting (DBT)

i1 Specifications

PHYSICAL

Dimensions (diameter x height)	33 x 30 cm (13"x 12")
Weight	4.3 kg (9.4 lbs)
Antenna Dish	28cm (11")

ENVIRONMENTAL

Operating Temp. Range	-15˚C to +55˚C (+5˚F to +131˚F)
Storage Temp. Range	-25˚C to +70˚C (-13˚F to +158˚F)
Shock	27 G, 11 msec
Approved	CE and FCC

PERFORMANCE

Frequency	Ku-Band (10.7 ~ 12.75 GHz)
Minimum EIRP	52~53 dBW
Azimuth Range	680˚
Elevation Range	+20˚ to +80˚
Roll & Pitch Range	Roll ±25˚, Pitch ±15˚
Roll & Pitch Rate	60˚ / second
Turn Rate Position	60˚ / second
Position Repeatability	0.1˚
LNB	Dual Output

ACU (Antenna Covntrol Unit)

Dimensions	178 x 217 x 54 mm (7" x 8.5" x 2.1")
Weight	1.2 kg (2.6 lbs)
Display	2 Line 20 charactver VFD module
Control Key	5 Integrated Push Buttons
Serial Interface	19200 bps 8, N, 1, EIA, RS-232C
Power	Input : DC 10.8~15.6V (Typ. 30 W, Max 50 W)
GPS Interface	Built-In (NMEA 0183 GPS)
Remote Control Interface	Available

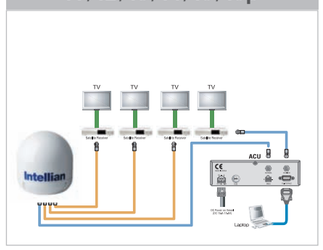
Intellian Product

Intellian product line of satellite tracking antenna systems provides access to high-quality Satellite TV system in the open sea. The systems are all compatible with the Digital Video Broadcasting (DVB) satellites, which use the international standard for digital TV transmission. The antenna systems' core technology includes patent-pending Wide Range Search (WRS) algorithm which minimizes search time at the initial state and patent-pending Dynamic Beam Tilting (DBT) technology which dynamically shapes the antenna beam to utilize stabilization. Once the satellite is acquired, the antenna DBT continues to measure the heading, pitch, and roll of the vessel by obtaining the satellite signal level around the antenna point, and transmits the commands to the antenna motor to keep the antenna pointed at the satellite at all times. This active stabilization is enhanced by a conical scan tracking function to detect and lock onto the strongest signal, resulting in the clearest reception possible.

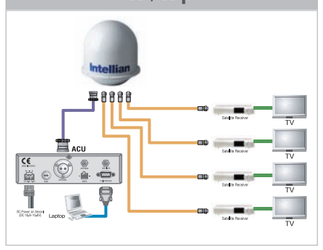
PRODUCT LINEUP	i9 / i9P	i6 / i6P	i4	i3	i2	i1
						
Antenna Dish Size	85 cm (33.5")	60 cm (23.6")	45 cm (17.7")	37 cm (14.6")	31 cm (12.2")	28 cm (11")
Radome Dimensions (DxH)	108 x 110 cm (42.5"x 43.3")	70 x 72 cm (27.5"x 28.3")	50 x 54 cm (19.7"x 21.2")	43 x 44 cm (16.9"x 17.3")	34 x 37 cm (13.3"x 14.5")	33 x 30 cm (13"x 12")
Antenna Weight	55 kg (121.2 lbs)	20 kg (44 lbs)	11.6 kg (21.5 lbs)	9 kg (19.8 lbs)	4.8 kg (10.5 lbs)	4.3 kg (9.4 lbs)
Minimum EIRP	44 dBw	47 dBw	49 dBw	50 dBw	51 dBw	52~53 dBw
Auto Skew Control	Yes (i9P only)	Yes (i6P only)	No	No	No	No
Antenna Control Unit	Yes	Yes	Yes	Yes	Yes	Yes
Built-in HDTV Module	Yes	Yes	Yes	Yes	Yes	No
Built-in Trisat Function	Yes	Yes	Yes	Yes	Yes	Yes
Built-in GPS System	Yes	Yes	Yes	Yes	Yes	No
GPS Interface	Yes	Yes	Yes	Yes	Yes	Yes
Compatible Satellite TV Service for detals, visit : www.intelliantech.com	Worldwide	Worldwide	Worldwide	Worldwide	N. America / Asia	N. America / Asia

Intellian System Configuration

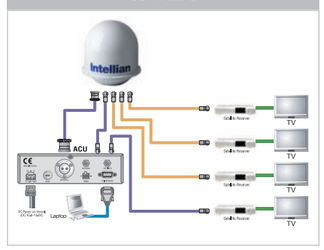
i1 / i2 / i3 / i4 / i6 / i6p



i9 / i9p



i9 USA

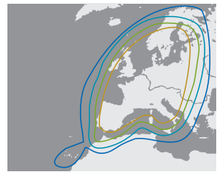


Note : 1) TVs, Satellite Receivers, and Laptops are not supplied. 2) Number of RF ports may vary from models.

Intellian Satellite Coverage Maps

Satellite TV broadcast spot beams are aimed at land masses where the bulk of subscribers can be found. Thus, the signal strength decreases as you travel away from the land masses. The further you travel offshore you will require a larger size antenna. Plea se use the colored lines on the footprint maps below to determine the antenna size that best meets your needs and then visit the service provider web site to determine what programming is available. Although this information is believed to be correct, Intellian Technologies has no control over the variations on the actual satellite footprint coverage. Signal strength and reception can be affected by the weather conditions. The coverage map is intended as a general guideline, but you can be assured that if any competitor antennas is working in a particular region and is the same size as our's then our antenna will also work if not better.


Hispasat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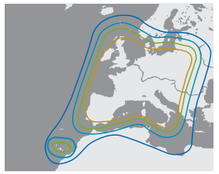
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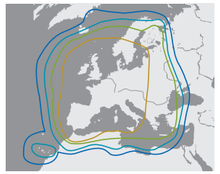
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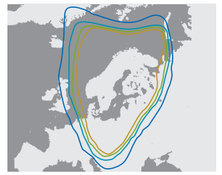
Thor II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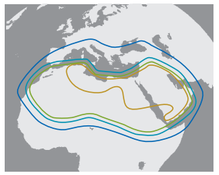
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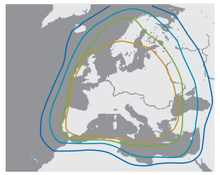
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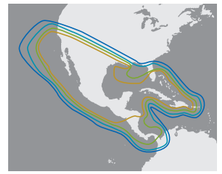
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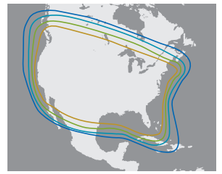
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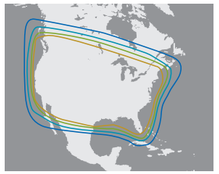
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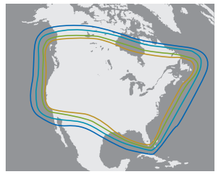
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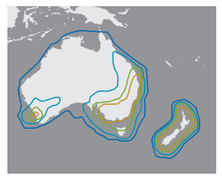
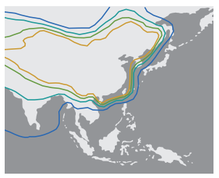
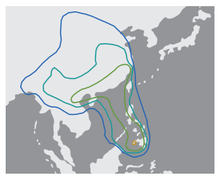
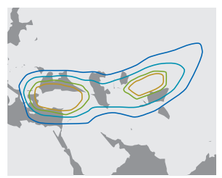
Direct TV (Latin America)


Optus


Far East (Telstar)


Agila2


Arabsat


Tursat

Intellian i9
Intellian i6
Intellian i4
Intellian i3