



INTELSAT IX SERIES SATELLITES

Introducing Intelsat 903 @ 325.5°E

Superior quality and coverage for the Atlantic Ocean Region

The Intelsat 903 brings more power and capacity to 325.5°E, providing enhanced C-band coverage for the Atlantic Ocean Region and high-power Ku-band spot beam coverage for Western Europe and North America. With advanced features, the IS-903 delivers broadband and video services over the Americas, Africa and Europe. IS-903 is engineered to deliver a range of high-powered, multi-regional service applications, including: streaming, backbone connections and direct access for the Internet; corporate networks; public switched network telephony; customized coverage of remote island locations for lifeline connectivity.

Advanced Features:

- Selectable split uplink with independent gain control in Channel 12 of Global beam
- Capability to split the uplink on each channel 9 of the Hemi beam
- Capability to steer Ku-band beams
- Flexible transponder activation in Ku-band for 14 out of 16 channels
- Ku-band transponders are equipped with ALC for e.i.r.p. control

IS-903 Highlights

- **Downlink e.i.r.p. (beam edge to beam peak)**
 - Global:** 31.0 up to 35.9 dBW
 - Hemi:** 37.0 up to 41.3 dBW
 - Zone:** 37.0 up to 47.6 dBW
 - Ku-Band:** Up to 54.0 dBW
- **G/T (beam edge to beam peak)**
 - Global:** -11.2 up to -5.6 dB/K
 - Hemi:** -6.6 up to -1.8 dB/K
 - Zone:** -5.5 up to +6.3 dB/K
 - Spot 1:** Up to +9.0 dB/K
 - Spot 2:** Up to +9.0 dB/K
- **More power:** The IS-903 is designed to provide an increase of up to 9.6 dB for downlink e.i.r.p. and up to 2.9 dB for G/T over the IS-VI satellites.
- **Greater capacity:** With a total of up to 72 C-band 36 MHz transponders, the IS-903 provides 19% more capacity over our previous satellite at 325.5°E.
- **Enhanced coverage:** IS-903 offers broad C-band coverage. Footprints include full coverage of South America, broad coverage over Europe, Africa and the Middle East, and connectivity to North America.

Intelsat 903 @ 325.5°E

Satellite Facts

Prime Contractor

SS/Loral

Launched

March 2002

Launch Vehicle

Proton

Total Transponders

C-Band: Up to 72 (in equiv. 36 MHz units)

Ku-Band: Up to 22 (in equiv. 36 MHz units)

Polarization

C-Band: Circular

Ku-Band: Linear

Uplink Frequency

C-Band: 5850 to 6425 MHz

Ku-Band: 14.00 to 14.50 GHz

Downlink Frequency

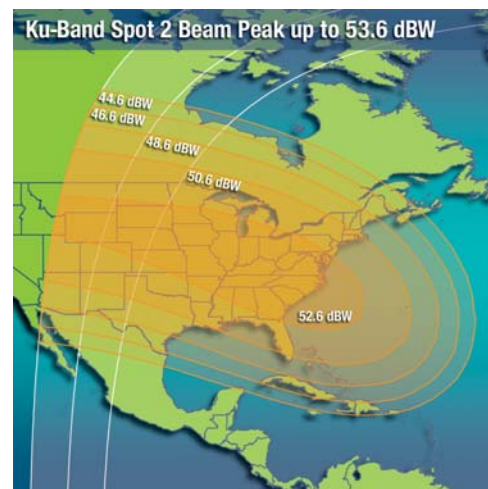
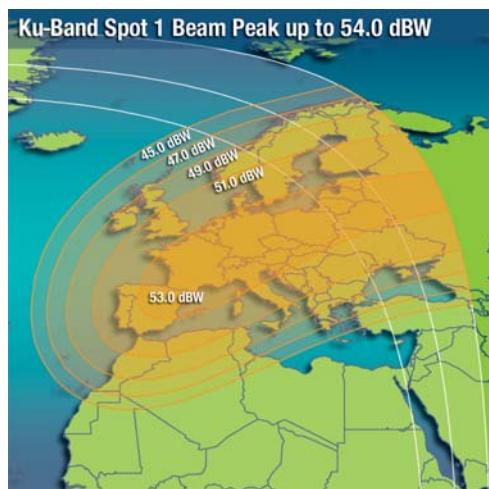
C-Band: 3625 to 4200 MHz

Ku-Band: 10.95 to 11.20 GHz and
11.45 to 11.70 GHz

SFD Range (beam edge)

C-Band: -89.0 to -67.0 dBW/m²

Ku-Band: -87.0 to -69.0 dBW/m²



inspiring connections

3/01/3906

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General Inquiries

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