



TUSAT
TELECOMUNICACIONES

MAPAS DE COBERTURA

Serving Intelsat customers throughout the Americas, Europe & Africa

As part of Intelsat's fleet replacement and expansion plans, the Intelsat 23 (IS-23) satellite is scheduled to start service at 307°E in 2012, and will replace the IS-707 satellite. Intelsat 23 will provide enhanced capacity for enterprise, oil and gas and data networking.

IS-23 at 307°E – C-Band*



C-Band Key Parameters

Transponders: 24 active transponders, in combination of 36, 41, 72 and 77 MHz channels. (up to 46 equivalent of 36 MHz units)

Polarization: Circular – Right Hand or Left Hand

Downlink Frequency: 3700 to 4200 MHz

Typical Edge of Coverage e.i.r.p.:
 West Hemi: > 32.6 dBW
 East Hemi: > 33.2 dBW
 Global: > 31.7 dBW

Uplink Frequency: 5925 to 6425 MHz

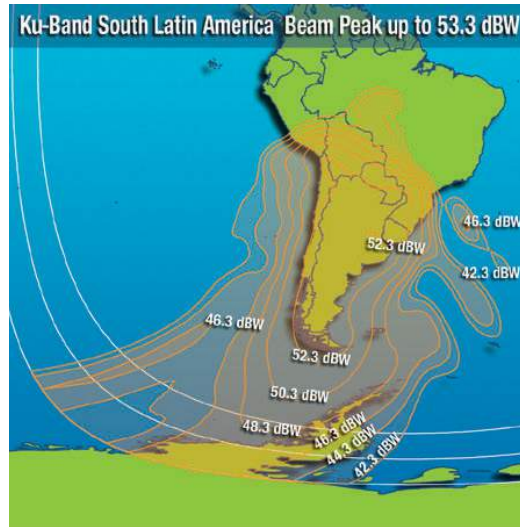
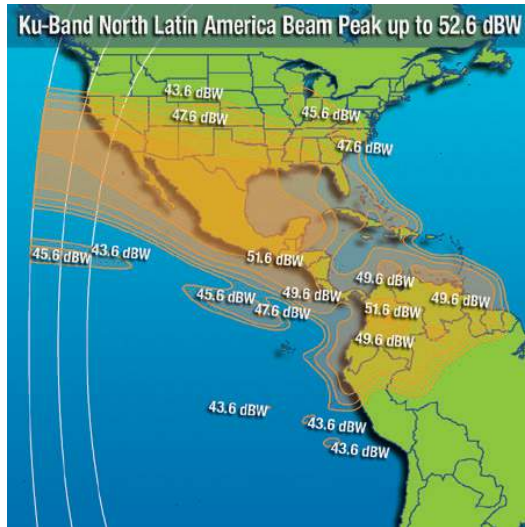
Edge of Coverage G/T Range:
 West Hemi: > -8.4 dB/K
 East Hemi: > -7.6 dB/K
 Global: > -9.6 dB/K

SFD Range: -97 to -76 dBW/m²
 (at reference contour)
 West Hemi: GT = -8.4 dB/K
 East Hemi: GT = -7.6 dB/K
 Global: GT = -9.6 dB/K

*This is a future spacecraft deployment. All payload performance values are preliminary.

IS-23 at 307°E – Ku-Band N. Latin America* IS-23 at

307°E – Ku-Band S. Latin America*



Ku-Band Key Parameters

Transponders:

15 active transponders, in combination of 72, 77 and 112 MHz channels. (up to 34 equivalent of 36 MHz units)

Polarization:

Linear – Horizontal or Vertical

Downlink Frequency:

11.45 to 12.2 GHz

Typical Edge of Coverage e.i.r.p.:

N. Latin America: > 45.2 dBW (Horiz.)
> 44.6 dBW (Vert.)

S. Latin America: > 44.0 dBW

Uplink Frequency:

14.00 to 14.50 GHz

Edge of Coverage G/T:

N. Latin America: > -1.6 dB/K

S. Latin America: > +2.6 dB/K

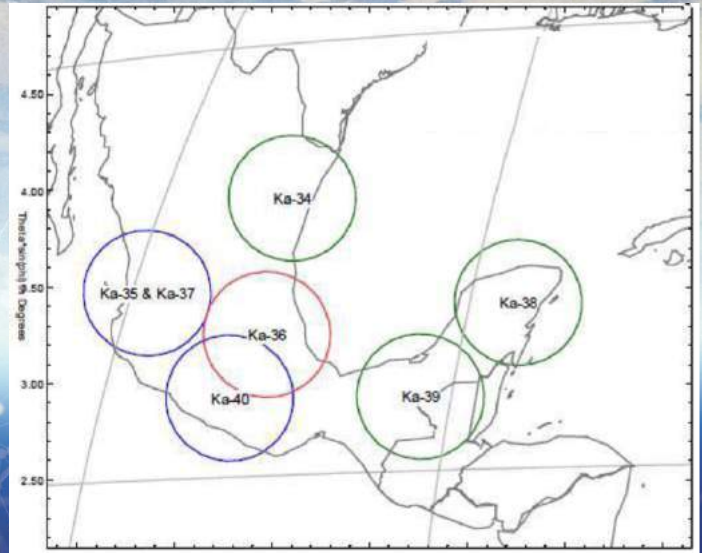
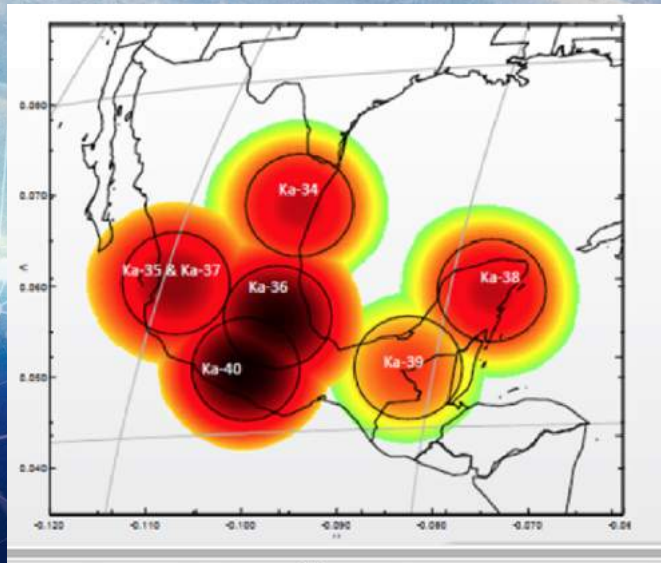
SFD Range: -97 to -77 dBW/m²

N. Latin America: GT = -1.6 dB/K

S. Latin America: GT = +2.6 dB/K

*This is a future spacecraft deployment. All payload performance values are preliminary.

COBERTURA AMAZONAS 3



COBERTURA GLOBALSAT DE BANDAS EN MÉXICO | KA & KU

SATÉLITES HISPASAT AMAZONAS 3 Y 5 | SATÉLITE INTELSAT IS23

