



**TLSAT**  
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 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

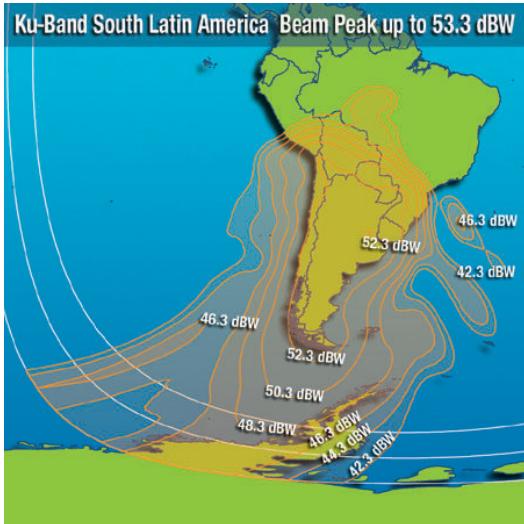
SFD Range: -97 to -76 dBW/m<sup>2</sup> (at reference contour) West Hemi: GT = -8.4 dB/K  
East Hemi: GT = -7.6 dB/K  
Global: GT = -9.6 dB/K

\*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:

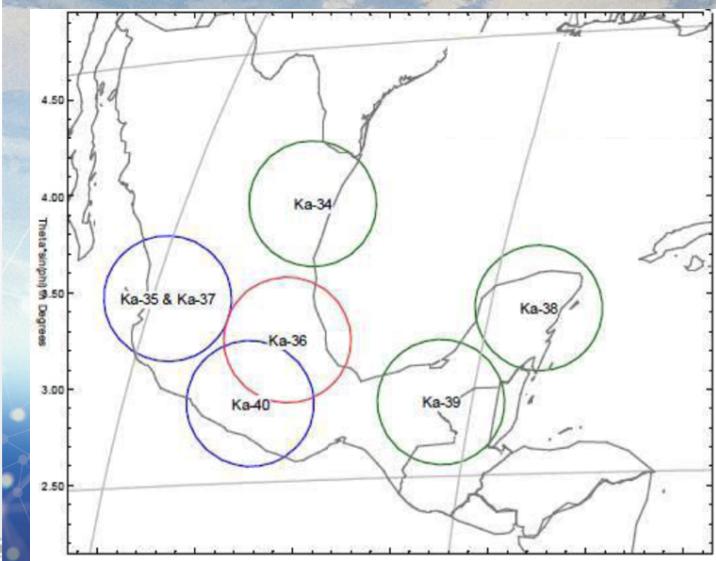
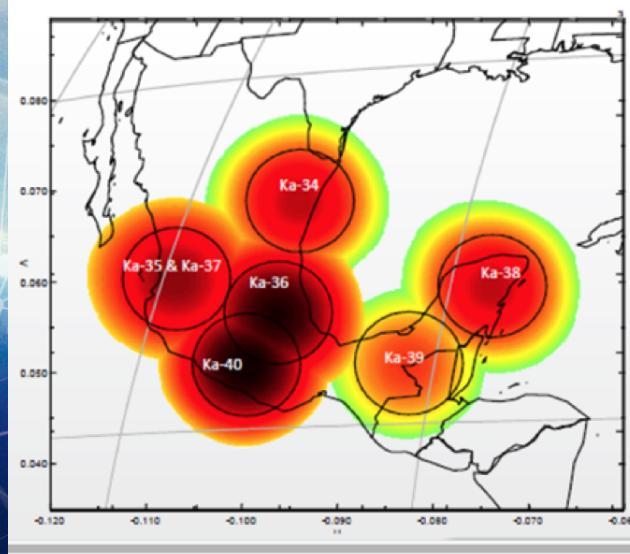
N. Latin America: > -1.6 dB/K  
S. Latin America: > +2.6 dB/K

#### SFD Range: -97 to -77 dBW/m<sup>2</sup>

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

