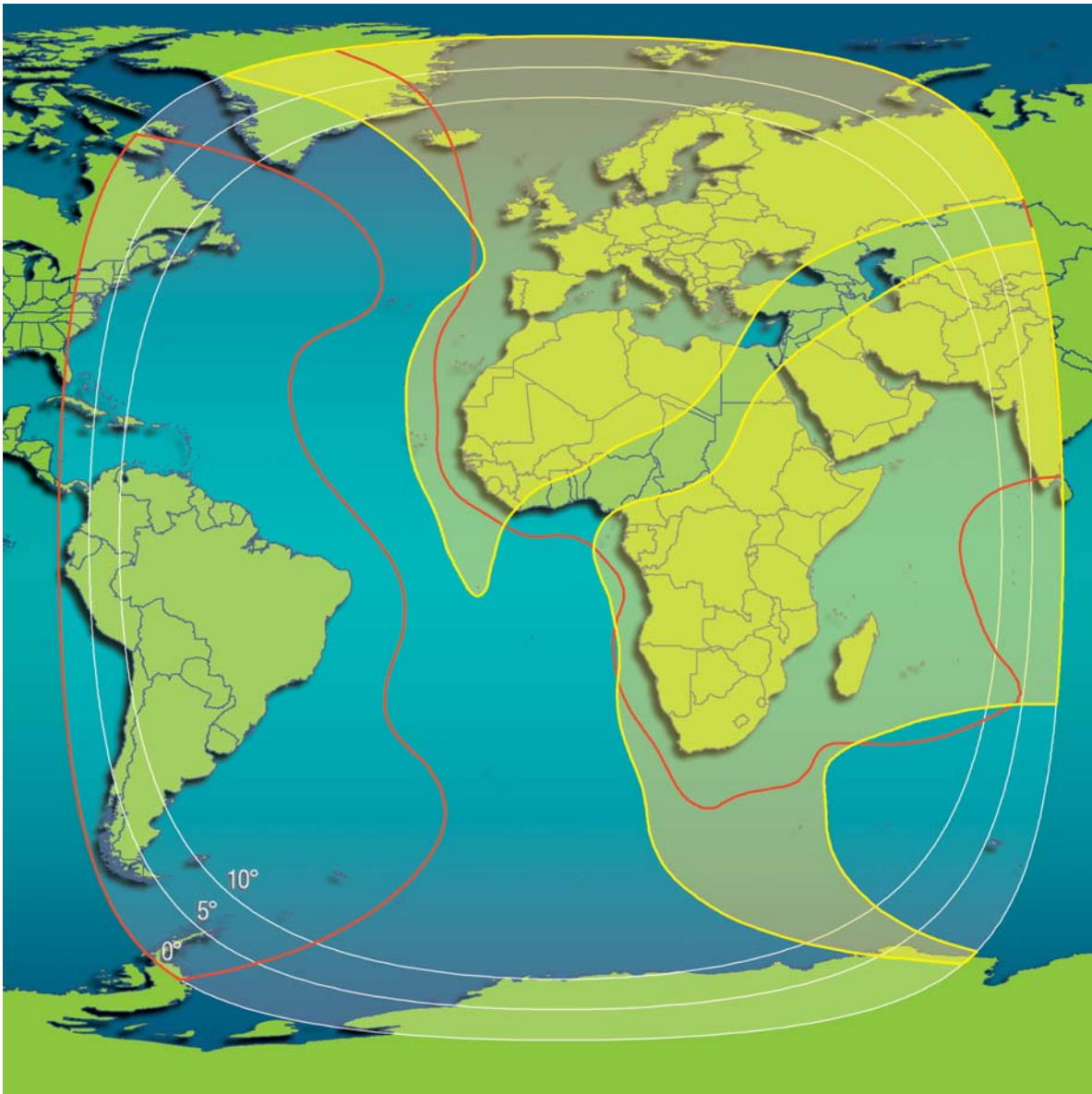


# IS-10-02 at 359°E



## C-Band Key Parameters



White Line –  
**Global**



Red Line –  
**Hemi**



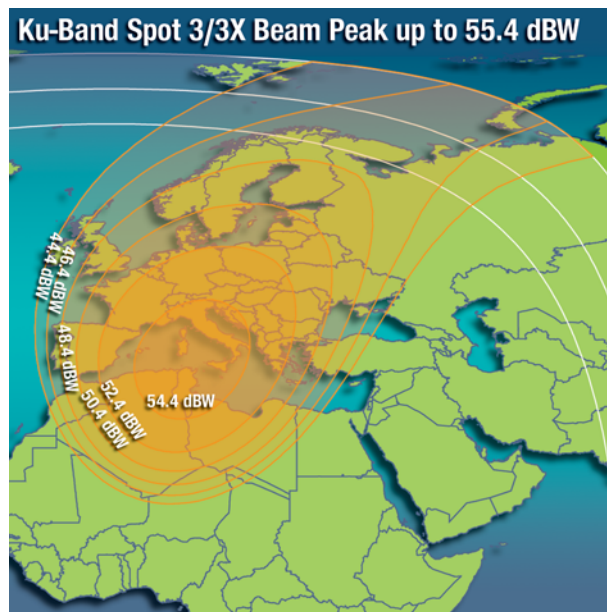
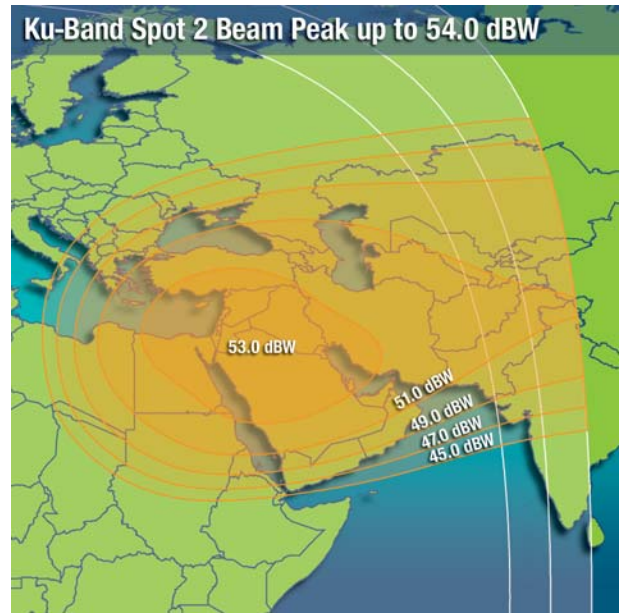
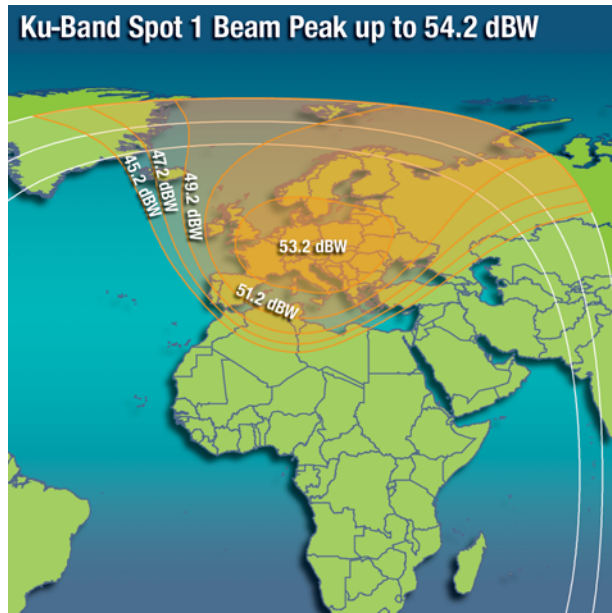
Yellow Area –  
**Zone**

Total Transponders:	Up to 70 (in equivalent 36 MHz units)
Polarization:	Circular – Right Hand or Left Hand
e.i.r.p.: (Beam Edge to Beam Peak)	Global Beam: 32.0 up to 36.0 dBW Hemi Beam: 37.0 up to 44.1 dBW Zone Beam: 37.0 up to 46.4 dBW
Uplink Frequency:	5850 to 6425 MHz
Downlink Frequency:	3625 to 4200 MHz
G/T Range: (Beam Edge to Beam Peak)	Global Beam: -10.7 up to -7.7 dB/K Hemi Beam: -6.5 up to +2.4 dB/K Zone Beam: -4.6 up to +3.0 dB/K
SFD Range: (Beam Edge)	-89.0 to -67.0 dBW/m <sup>2</sup>



Fuchsstadt Teleport: 13m C-band; 4.2m Ku-band

# IS-10-02 at 359°E – Spot Beams



## Ku-Band Key Parameters

Total Transponders:	Up to 32 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Uplink Frequency:	13.75 to 14.50 GHz
Downlink Frequency:	10.95 to 12.75 GHz
G/T:	Spot 1: Up to +6.8 dB/K
(Beam Peak)	Spot 2: Up to +6.6 dB/K
	Spot 3/3X: Up to +5.9 dB/K
SFD Range:	-87.0 to -69.0 dBW/m <sup>2</sup>
(Beam Edge)	