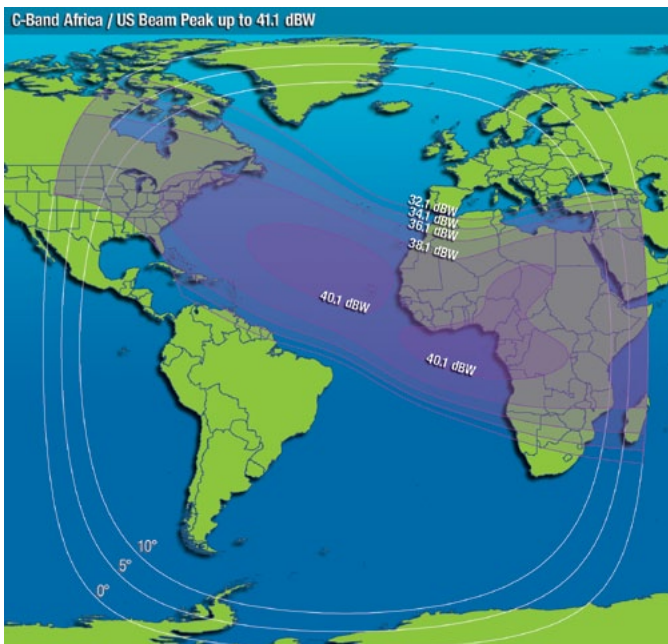


# New Capacity Serving Intelsat Customers throughout Africa

The Intelsat 25 satellite (IS-25) provides C- and Ku-band coverage over Africa, with connectivity back to the United States. IS-25 supports the growth requirements of services, including wireless operators and broadband service providers.

## IS-25 at 328.5°E – C-Band Africa\*



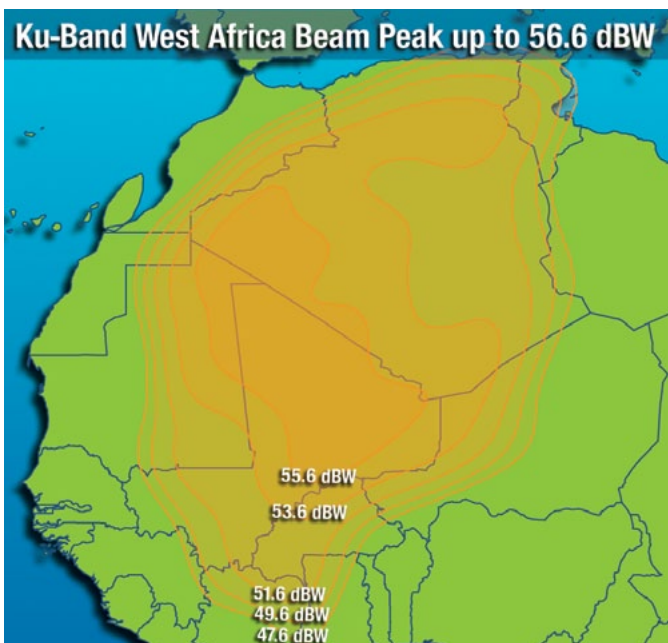
### C-Band Key Parameters

Transponders:	34 x 36 MHz; 2 x 72 MHz
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	3400 to 4200 MHz
e.i.r.p.: (Edge of Coverage to Beam Peak)	33.5 up to 41.1 dBW
Uplink Frequency:	5845 to 6645 MHz
G/T: (Edge of Coverage to Beam Peak)	-9.0 up to 0.0 dB/K
SFD Range	-90.0 to -59.0 dBW/m <sup>2</sup> (Horiz. at G/T = -9.0 dB/K) -89.0 to -58.0 dBW/m <sup>2</sup> (Vert. at G/T = -9.0 dB/K)

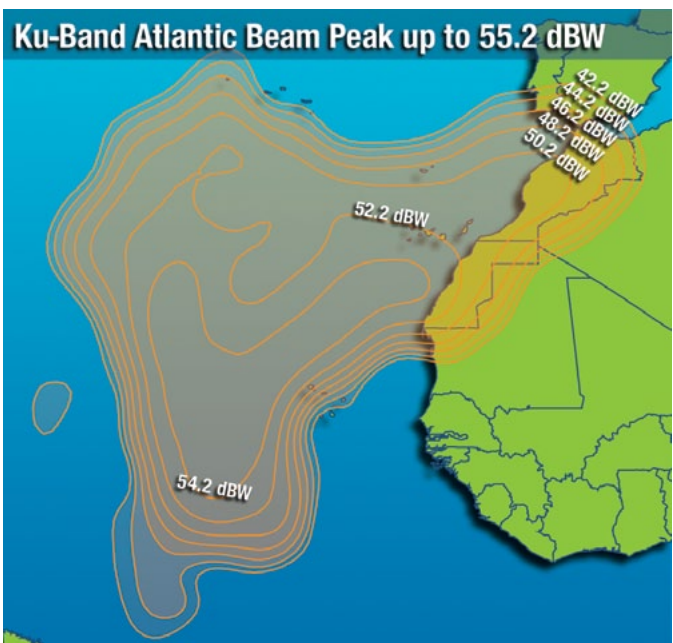
### Ku-Band Key Parameters

Transponders:	6 x 72 MHz; 10 x 36 MHz
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	11.45 to 12.75 GHz
e.i.r.p.: (Edge of Coverage to Beam Peak)	West Africa: 48.7 up to 56.6 dBW Atlantic: 43.9 up to 55.2 dBW
Uplink Frequency:	13.75 to 14.50 GHz
G/T: (Edge of Coverage to Beam Peak)	West Africa: 1.0 up to 11.6 dB/K Atlantic: -4.0 up to 8.8 dB/K
SFD Range:	West Africa: -97.5 to -71.5 dBW/m <sup>2</sup> (at G/T = 1.0 dB/K) Atlantic: -94.0 to -68.0 dBW/m <sup>2</sup> (Horiz. at G/T = -4.0 dB/K) -92.0 to -66.0 dBW/m <sup>2</sup> (Vert. at G/T = -4.0 dB/K)

## IS-25 at 328.5°E – Ku-Band West Africa\*

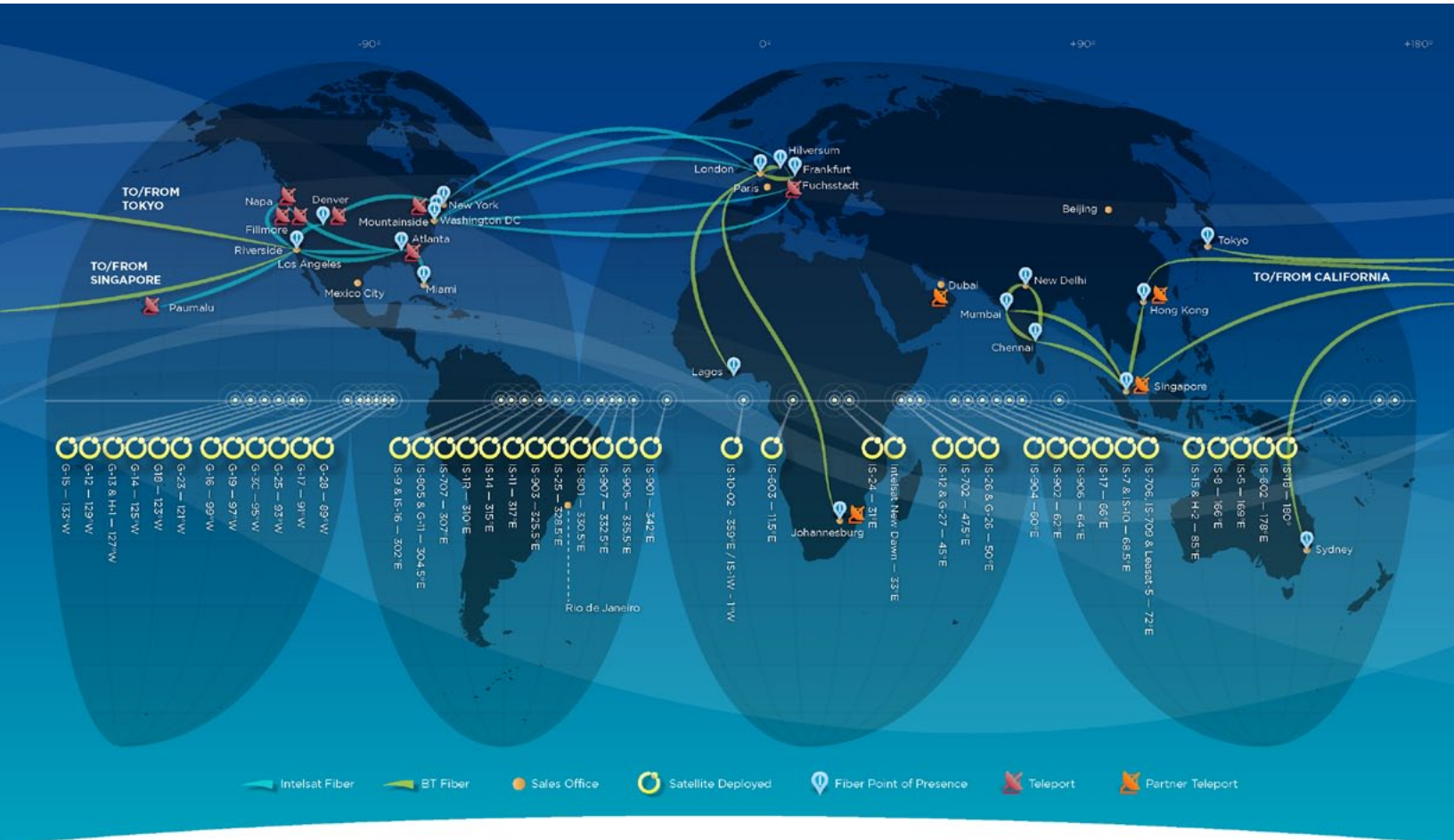


## IS-25 at 328.5°E – Ku-Band Atlantic\*



\* Formerly ProtoStar 1, launched in July 2008.

# Intelsat Global Infrastructure



## About Intelsat

Intelsat is the leading provider of fixed satellite services worldwide. For over 45 years, Intelsat has been delivering information and entertainment for many of the world's leading media and network companies, multinational corporations, Internet service providers and governmental agencies. Intelsat's satellite, teleport and fiber infrastructure is unmatched in the industry, setting the standard for transmissions of video, data and voice services. From the globalization of content and the proliferation of HD, to the expansion of cellular networks and broadband access, with Intelsat, advanced communications anywhere in the world are closer, by far.

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