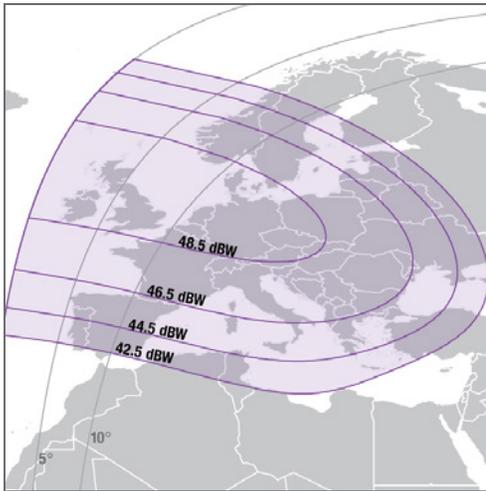


Intelsat 39 at 62°E

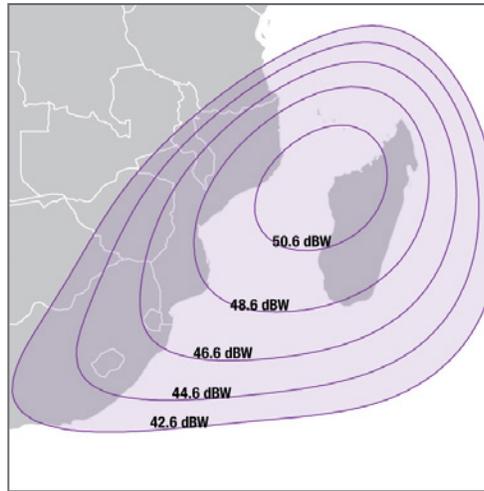
Expanding broadband, video distribution and mobile services to support increasing connectivity demands across Asia, Africa, Europe and the Middle East

Intelsat 39, which is designed with wide and high-powered steerable spot beams, replaced Intelsat 902 at 62°E, to meet the needs of broadband networking, video and government customers across Africa, Asia-Pacific, Europe and the Middle East. The satellite will have C- and Ku-band capabilities and enhanced mobile connectivity for aero, maritime and government users operating in the Indian Ocean region. Intelsat 39 provides a powerful platform that will enable mobile network operators, enterprises and internet service providers to deliver faster and more efficient connectivity services. In addition, it will provide governments with the ability to expand connectivity to additional remote areas and continue to narrow the digital divide.

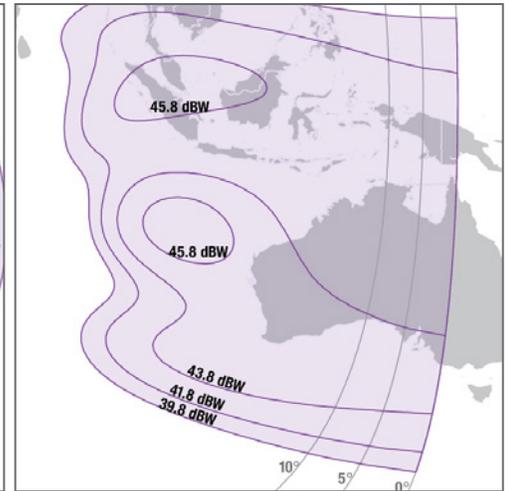
C-band Europe Beam



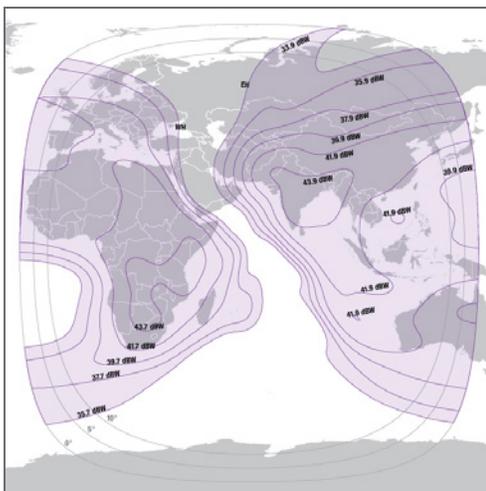
Mozambique Beam



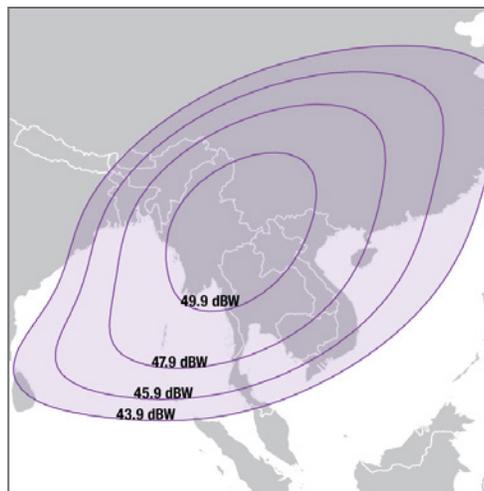
C-band South East Asia Beam



C-band Hemi Beams



C-band Myanmar Beam



C-band Key Parameters

Configurable Capacity: 56 (in equivalent 36 MHz units)

Polarization: Circular – Right or Left Hand
*Linear – Horizontal or Vertical

Downlink Frequency: 3625 to 4200 MHz

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

Hemi Beams: > 35 dBW
Global: > 33.5 dBW
Europe: > 44 dBW
Mozambique: > 44 dBW
Myanmar: > 45 dBW
South East Asia: > 42 dBW

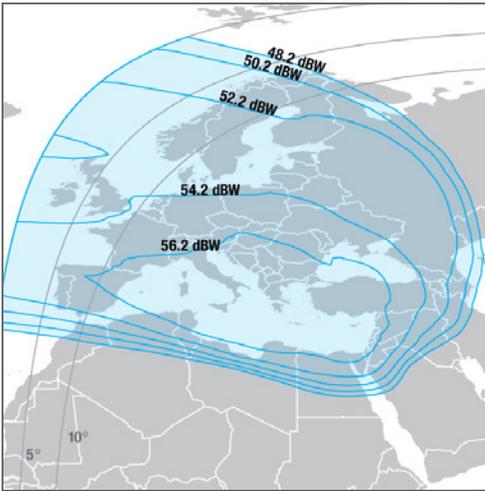
Uplink Frequency: 5850 to 6425 MHz

Beam Peak G/T:

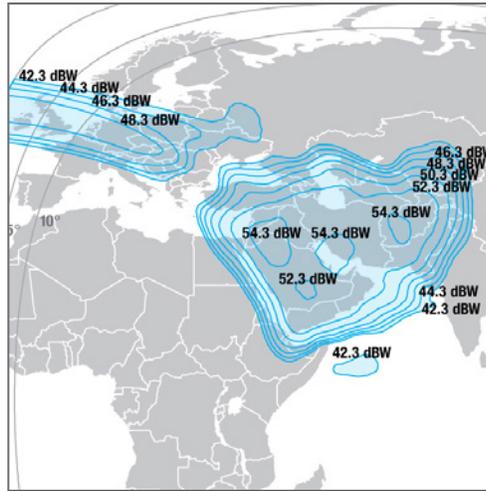
Hemi Beams (Circular): Up to 5.2 dB/K
*Hemi Beams (Linear): Up to 6.4 dB/K
Global: Up to -3.8 dB/K
Europe: Up to 10.2 dB/K
Mozambique: Up to 11.1 dB/K
Myanmar: Up to 11.0 dB/K
South East Asia: Up to 7.2 dB/K

*Applies to East Hemi only.

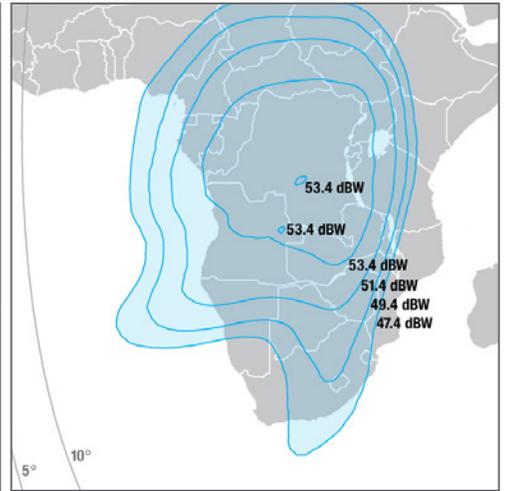
Ku-band Europe Beam



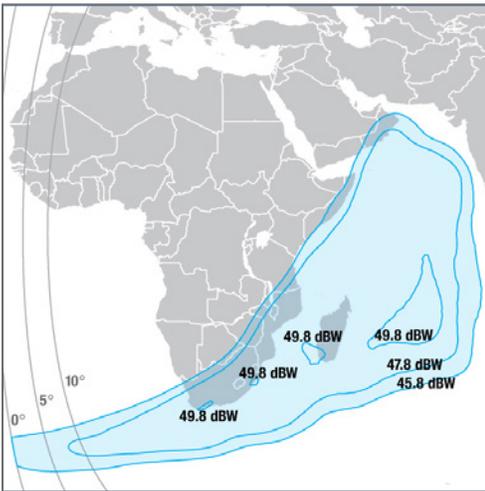
Ku-band Middle East Beam



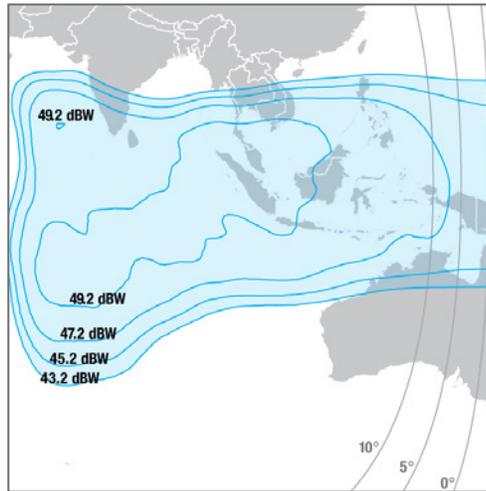
Ku-band DRC/Johannesburg Beam



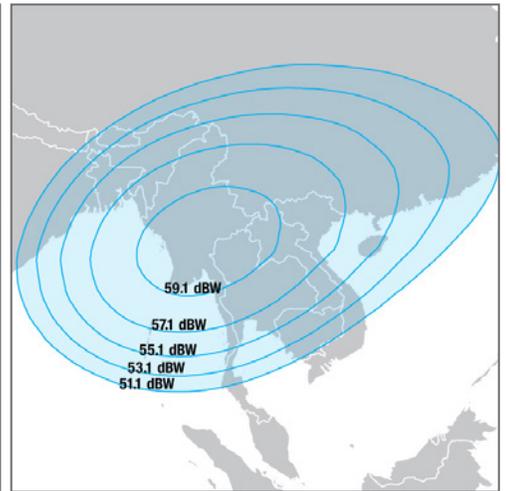
Ku-band West Indian Ocean Beam



Ku-band East Indian Ocean Beam



Ku-band Spot 3 Beam



Ku-band Key Parameters

Configurable Capacity:	72 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	10.70 to 11.70 GHz and 12.25 to 12.75 GHz
Typical Edge of Coverage e.i.r.p.:	
Europe:	> 48.5 dBW
Middle East:	> 44.0 dBW
West IOR:	> 46.0 dBW
East IOR:	> 46.0 dBW
Spot 3:	> 52.0 dBW
DRC:	> 46.8 dBW
Uplink Frequency:	13.00 to 13.25 GHz and 13.75 to 14.50 GHz
Beam Peak G/T:	
Europe:	Up to 12.2 dB/K
Middle East:	Up to 7.2 dB/K
West IOR:	Up to 5.4 dB/K
East IOR:	Up to 4.1 dB/K
Spot 3:	Up to 14.2 dB/K
DRC:	Up to 8.2 dB/K

About Intelsat

As the foundational architects of satellite technology, Intelsat operates the largest, most advanced satellite fleet and connectivity infrastructure in the world. We apply our unparalleled expertise and global scale to reliably and seamlessly connect people, devices and networks in even the most challenging and remote locations. Transformation happens when businesses, governments and communities build a ubiquitous connected future through Intelsat’s next-generation global network and simplified managed services.

At Intelsat, we turn possibilities into reality. Imagine Here, with us, at Intelsat.com.

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