



The Intelsat Global Network

October 2025

The Intelsat Global Network

Integrated Satellite and Terrestrial Connectivity Solutions

One Seamless Global Network for a Hyper-connected World

From dense urban centers to the hardest-to-reach places in the world, the demands of business, media and government operations keep growing. At Intelsat, we understand that the need to support mission-critical operations through reliable, high-speed connectivity is no longer an option, but an imperative.

How It All Works as One

By leveraging the full potential of our network technologies, managed services and strategic partnerships, we've created a global network infinitely more powerful than the sum of its parts. Bridging the gap between technology and service, Intelsat helps organizations expand reach, increase capacity, streamline operations and optimize spend.

Infrastructure



Our IntelsatOne Terrestrial Network operates seamlessly with our satellite technology – enabling true hybrid satellite and fiber connectivity, with access to multiple platforms and teleports. Because we've already made the infrastructure investment, we enable customers to find the most cost-effective combination of space and terrestrial connectivity – allowing them to rapidly deploy new end-to-end services with minimal spend, maximum flexibility and optimal reliability and security.

Fleet



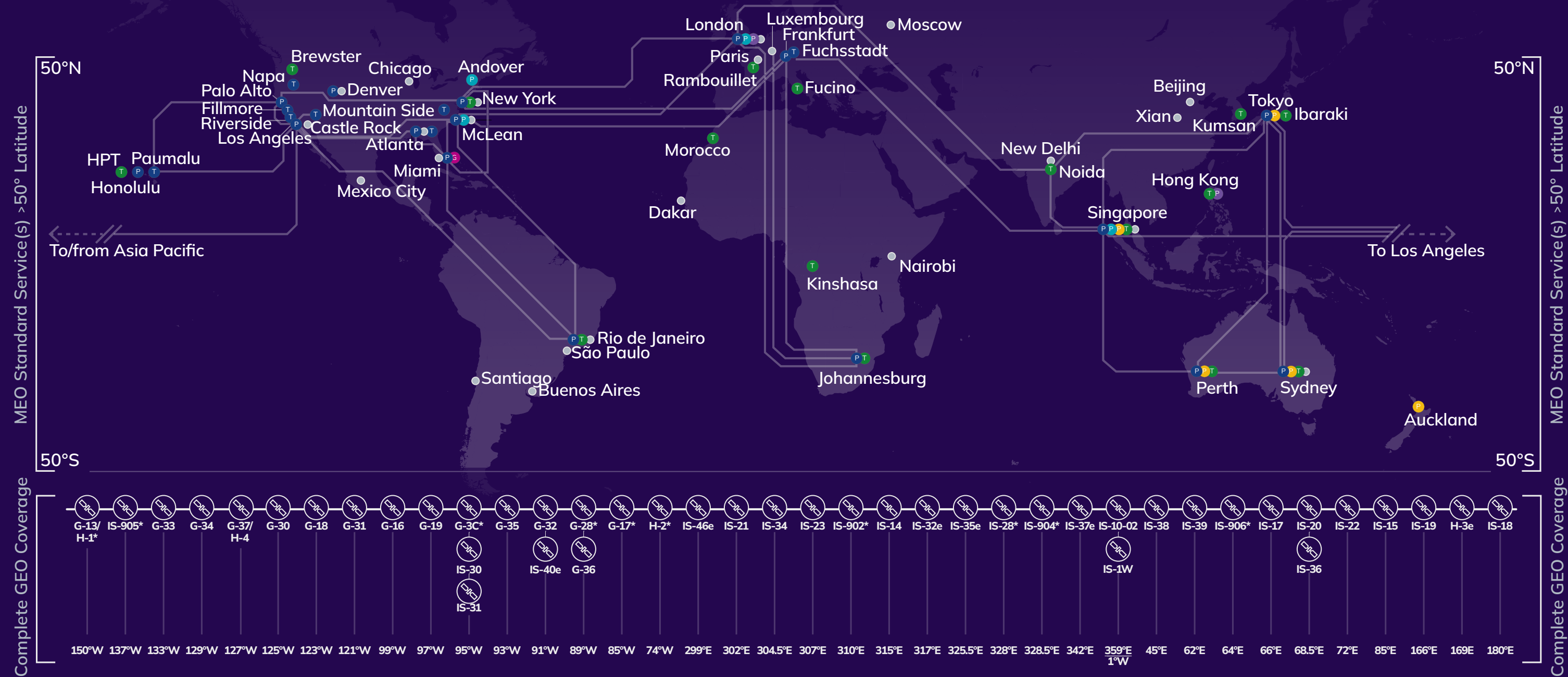
Our fleet of 50+ satellites, combined with teleport gateways comprise the world's most extensive and secure communications network on the planet. Intelsat's Epic, our high performance, next-generation satellite platform, delivers global high-throughput bandwidth where and when it's needed most, without sacrificing user control of service elements and hardware.

Services



Intelsat's managed services simplify satellite-based communications and deliver the flexibility necessary to meet changing customer requirements. Strategic partnerships with industry leaders offer customer support to market segments. Through these joint ventures, Intelsat offers the first and only fully global, high-throughput satellite broadband network.

The Intelsat Satellite Network



INTELSAT NETWORK

- P** Intelsat PoP (Point of Presence)
- G** Aldea Gateway
- T** Intelsat Teleport
- P** BT PoP (Point of Presence)
- P** PCCW PoP (Point of Presence)
- T** Partner Teleport
- P** Telstra PoP (Point of Presence)
- S** Sales Office
- intelsat Fiber

INTELSAT SATELLITE FLEET

- ☉** In orbit
- *** Inclined

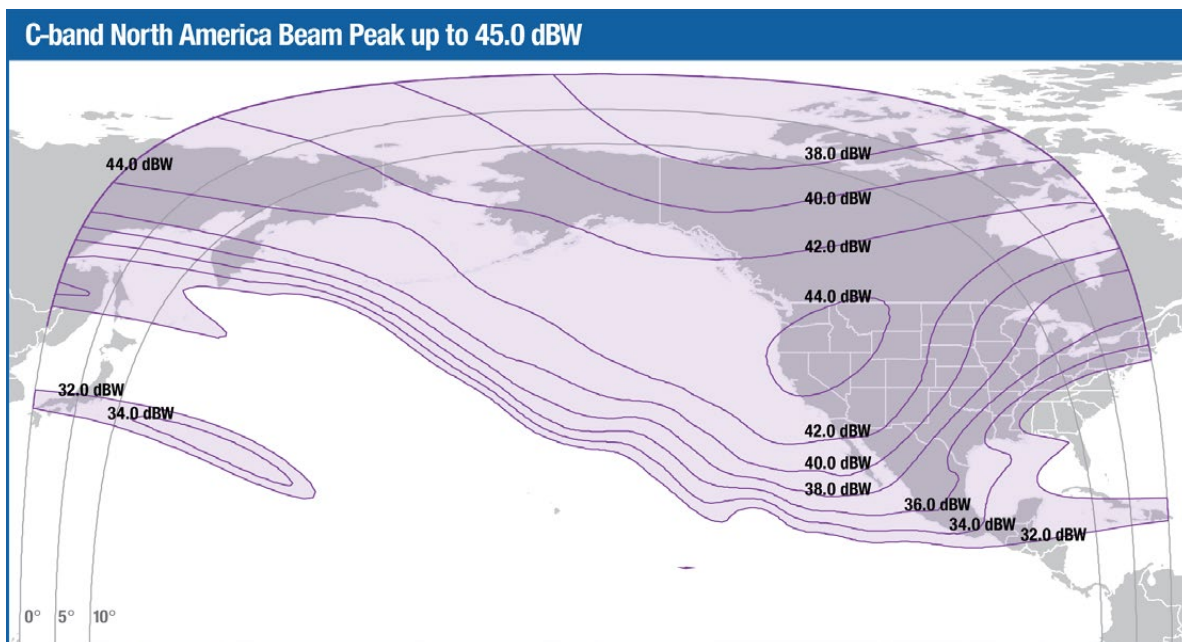
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Americas Fleet Satellites

Galaxy 13 at 150°W*

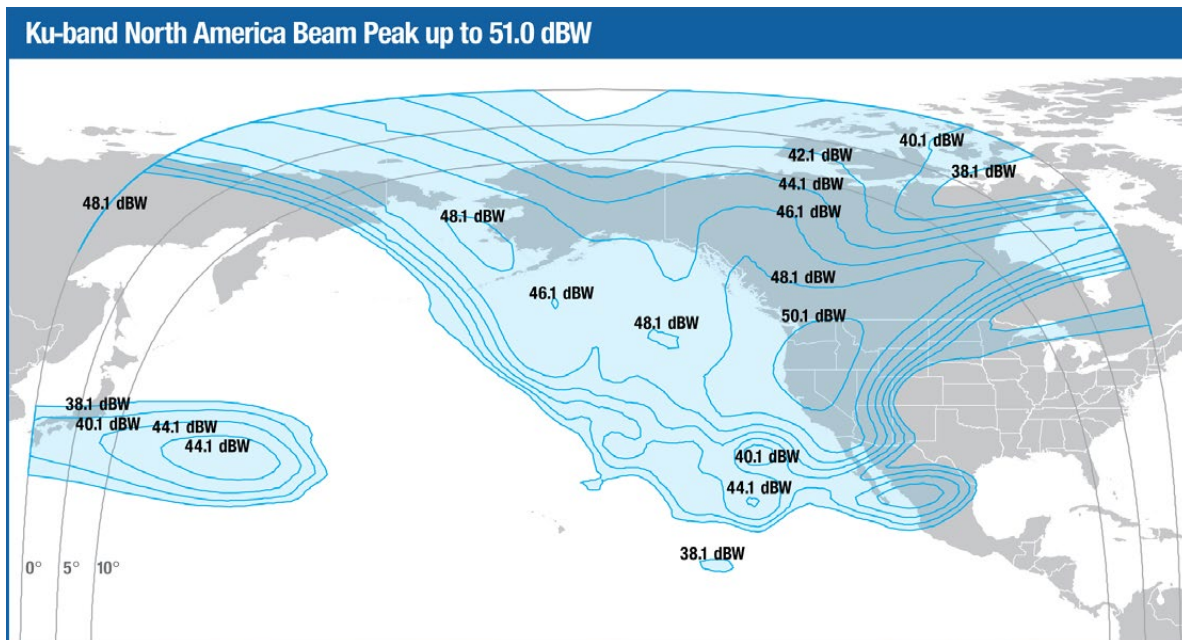


*Inclined Orbit Operation (IOO).

C-band Key Parameters

Configurable Capacity:	24 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	3700 to 4200 MHz
Typical Edge of Coverage e.i.r.p.:	> 33.0 dBW
Uplink Frequency:	5925 to 6425 MHz
Beam Peak G/T:	Up to 5.4 dB/K

Horizons 1 at 150°W*

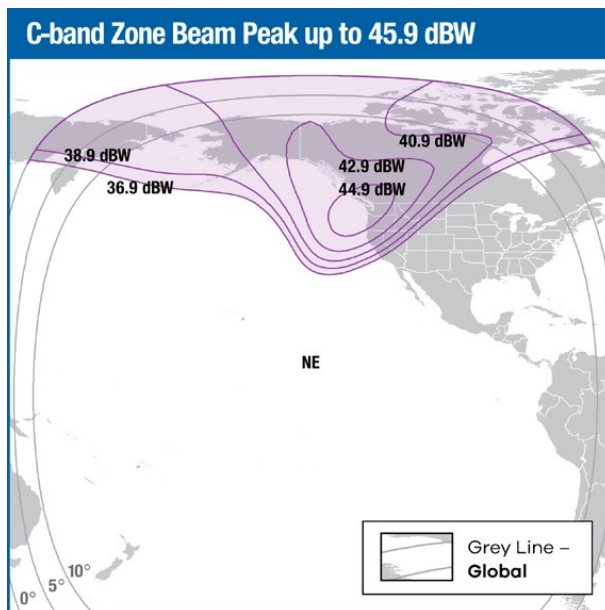
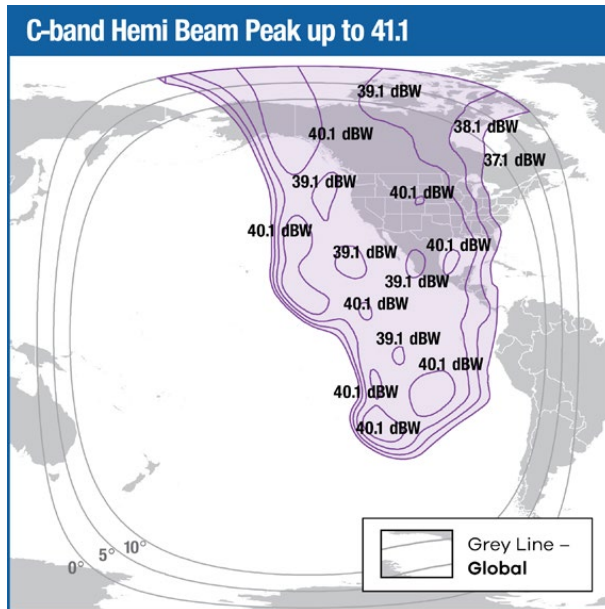


*Inclined Orbit Operation (IOO).

Ku-band Key Parameters

Configurable Capacity:	24 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	11.70 to 12.20 GHz
Typical Edge of Coverage e.i.r.p.:	> 40.0 dBW
Uplink Frequency:	14.00 to 14.50 GHz
Beam Peak G/T:	Up to 6.4 dB/K

Intelsat 905 at 137W*

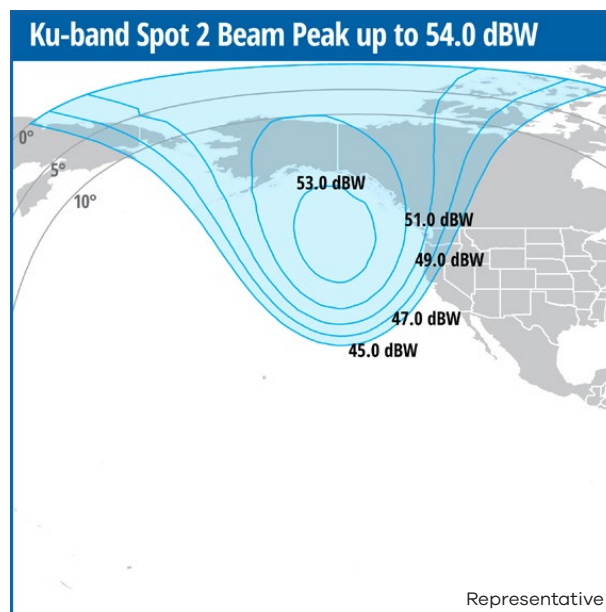
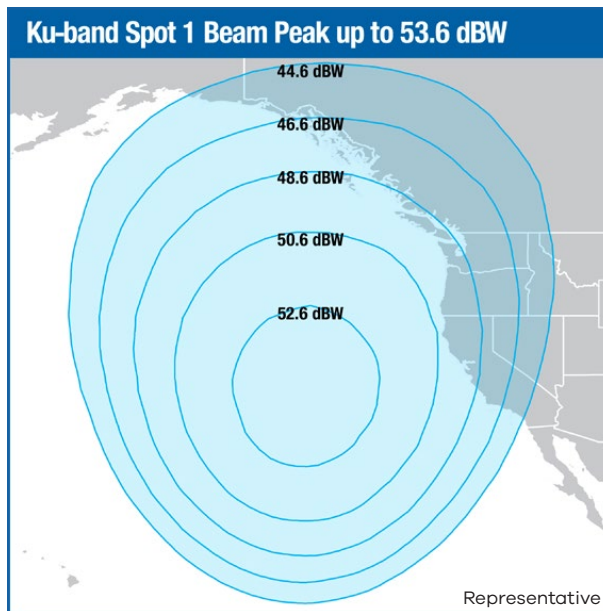


*Inclined Orbit Operation (IOO).

C-band Key Parameters

Configurable Capacity:	18/76 (in equivalent 36 MHz units)
Polarization:	Circular – Right Hand or Left Hand
Downlink Frequency:	3700 to 4200 MHz
Typical Edge of Coverage e.i.r.p.:	Global Beams: > 31.0 dBW Hemi/Zone Beams: > 37.0 dBW
Uplink Frequency:	5925 to 6425 MHz
Beam Peak G/T:	Global Beams: Up to -6.6 dB/K Hemi/Zone Beams: Up to 4.1 dB/K

Intelsat 905 at 137W*



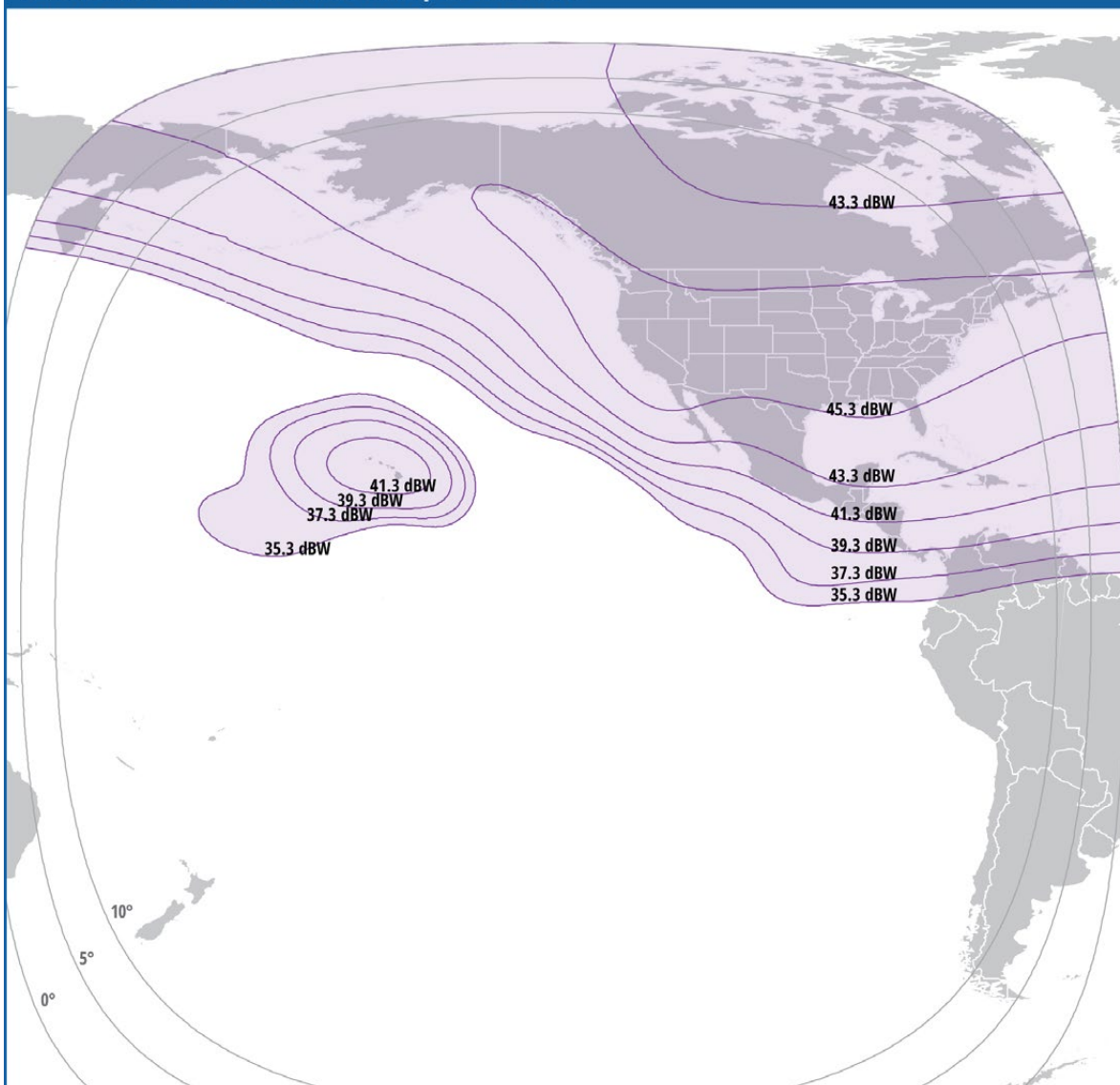
**Inclined Orbit Operation (IOO).*

Ku-band Key Parameters

Configurable Capacity:	16/24 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	10.95 to 11.70 GHz
Typical Edge of Coverage e.i.r.p.:	> 47.0 dBW
Uplink Frequency:	14.00 to 14.50 GHz
Beam Peak G/T:	Spot 1: Up to 8.5 dB/K
	Spot 2: Up to 8.5 dB/K

Galaxy 33 at 133°W

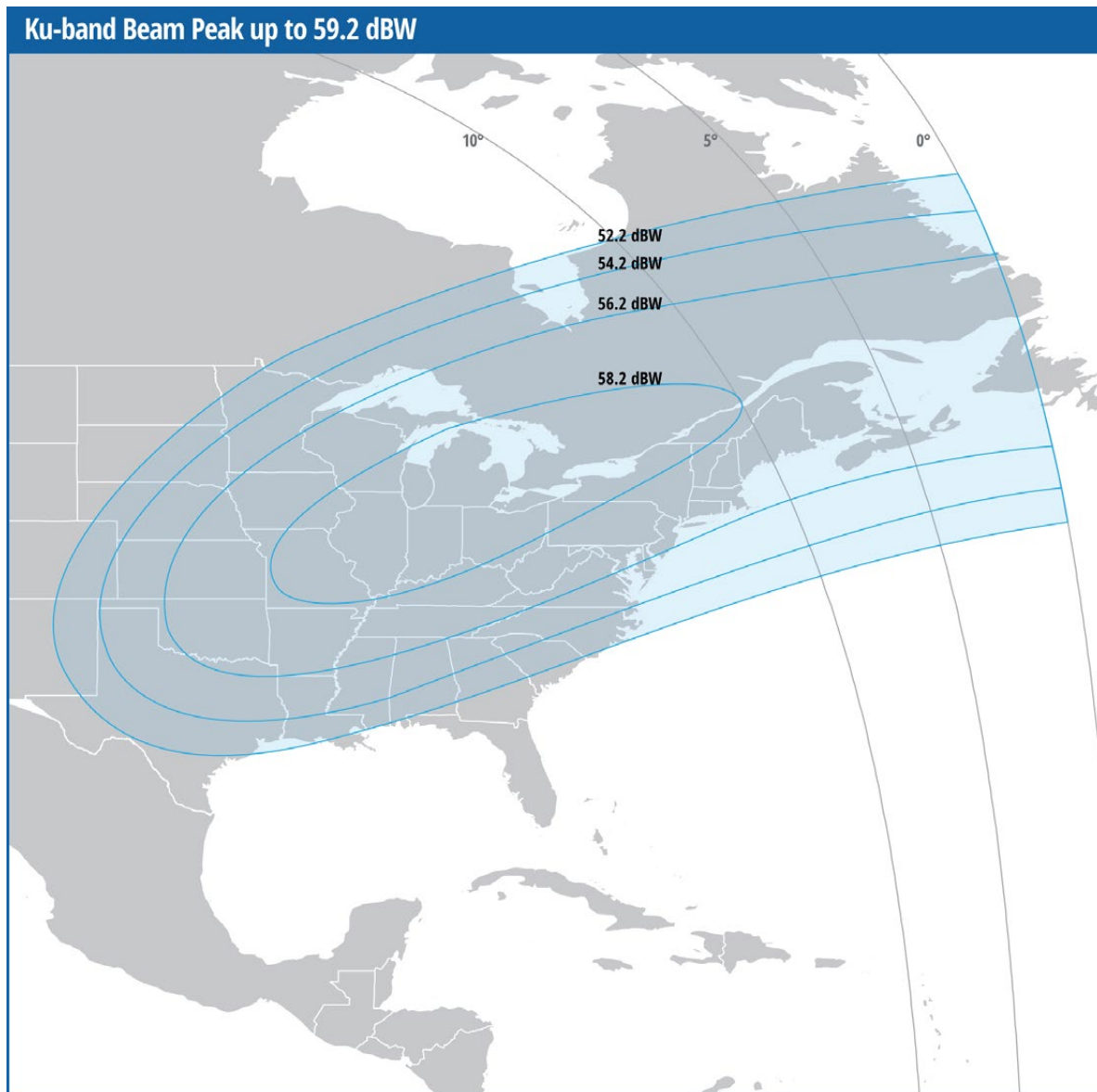
C-band North America Beam Peak up to 46.3 dBW



C-band Key Parameters

Configurable Capacity:	24 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	3700 to 4200 MHz
Typical Edge of Coverage e.i.r.p.:	> 371 dBW
Uplink Frequency:	5925 to 6425 MHz
Beam Peak G/T:	Up to 4.6 dB/K

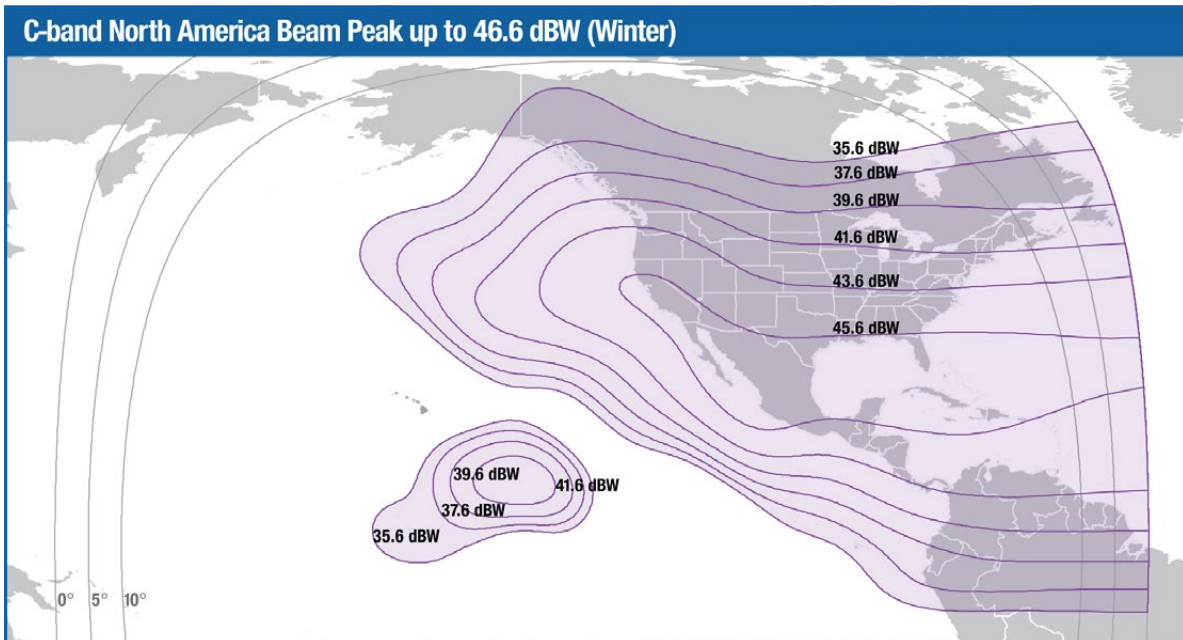
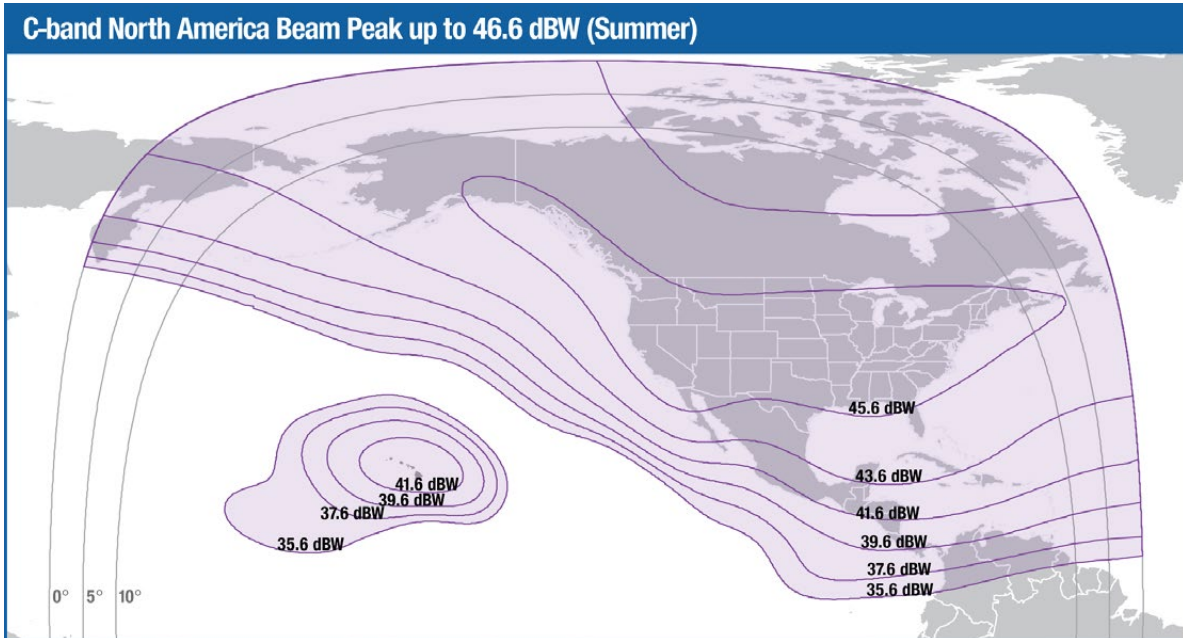
Galaxy 33 at 133°W



Ku-band Key Parameters

Configurable Capacity:	37.5 (in equivalent 36 MHz units)
Polarization	Linear – Horizontal or Vertical
Downlink Frequency:	11.45 to 12.20 GHz
Typical Edge of Coverage e.i.r.p.:	> 54.5 dBW
Uplink Frequency:	13.75 to 14.50 GHz
Beam Peak G/T:	Up to 13.2 dB/K

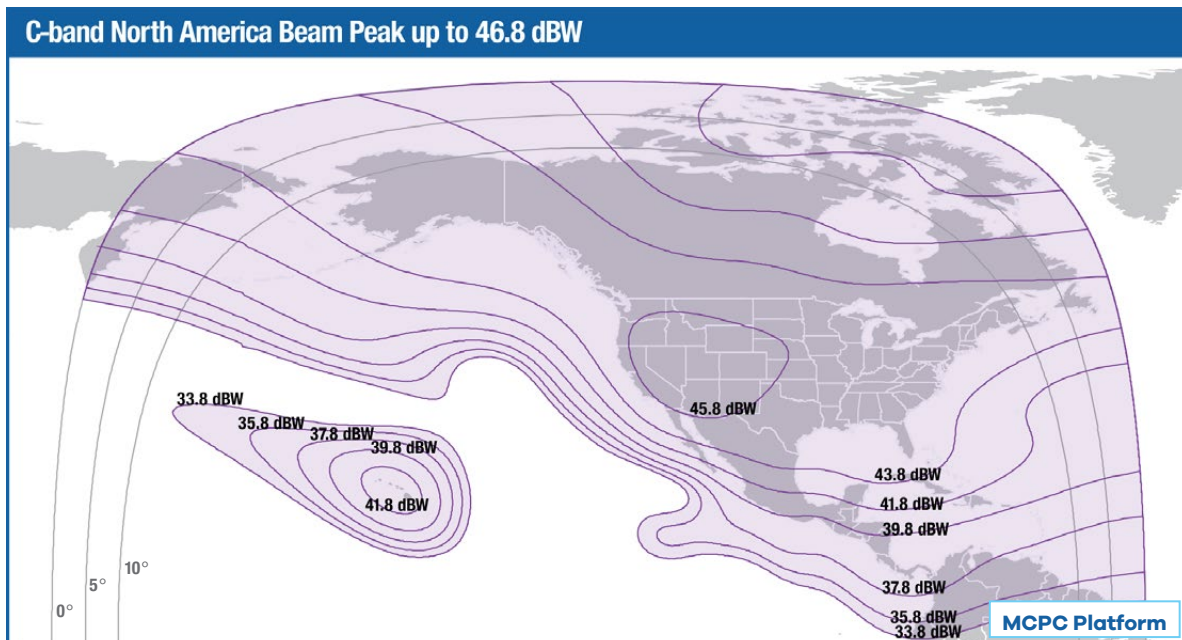
Galaxy 34 at 129°W



C-band Key Parameters

Configurable Capacity:	24 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	3700 to 4200 MHz
Typical Edge of Coverage e.i.r.p.:	> 37.5 dBW
Uplink Frequency:	5925 to 6425 MHz
Beam Peak G/T:	Up to 4.7 dB/K

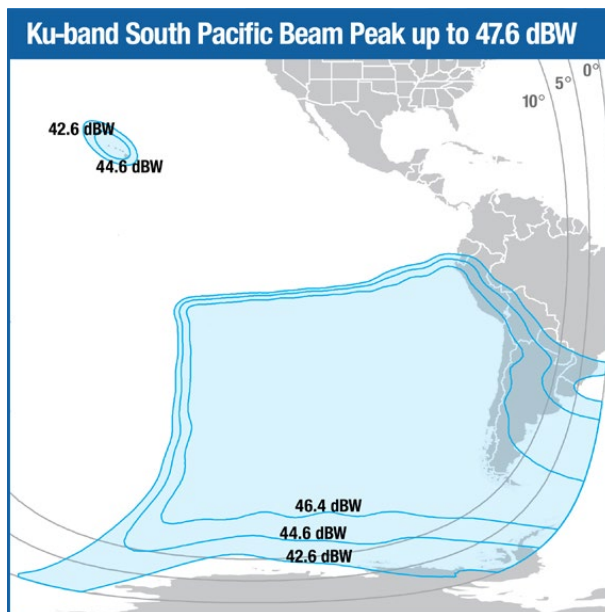
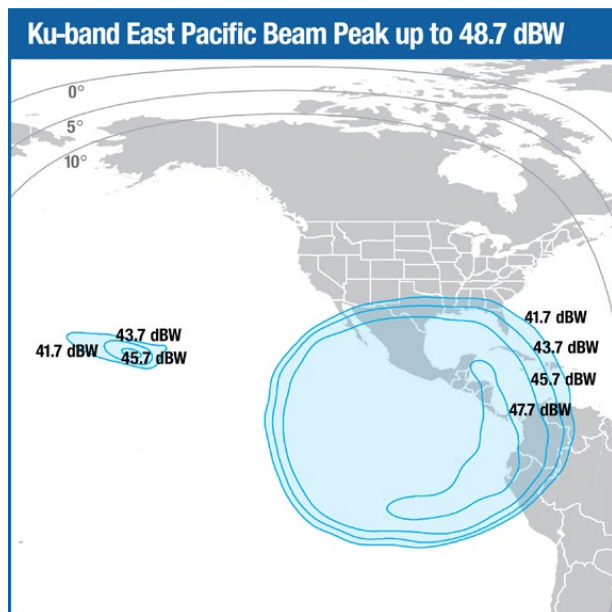
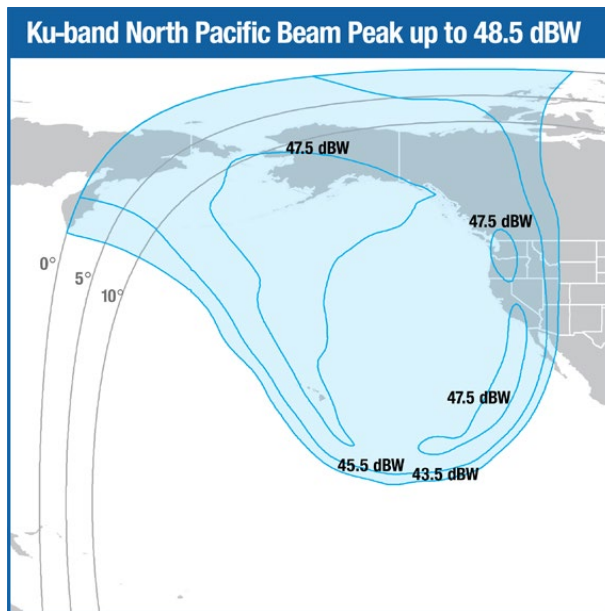
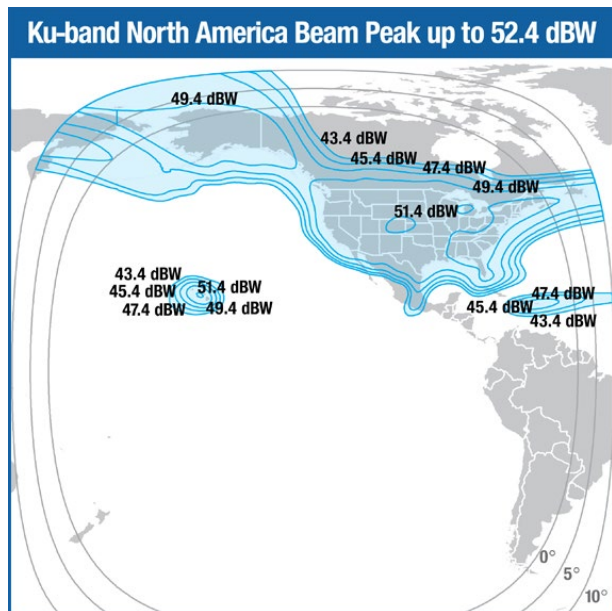
Galaxy 37 at 127°W



C-band Key Parameters

Configurable Capacity:	24 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	3700 to 4200 MHz
Typical Edge of Coverage e.i.r.p.:	> 36.9 dBW
Uplink Frequency:	5925 to 6425 MHz
Beam Peak G/T:	Up to 5.7 dB/K

Horizons 4 at 127°W



Ku-band Key Parameters

Configurable Capacity:

24 total on Ku-band (in equivalent 36 MHz units)

Polarization: Linear – Horizontal or Vertical

Downlink Frequency:

11.70 to 12.20 GHz

Typical Edge of Coverage e.i.r.p.: North America > 45.6 dBW

North Pacific > 46.0 dBW

East Pacific > 45.0 dBW

South Pacific > 45.0 dBW

Uplink Frequency:

14.00 to 14.50 GHz

Beam Peak G/T:

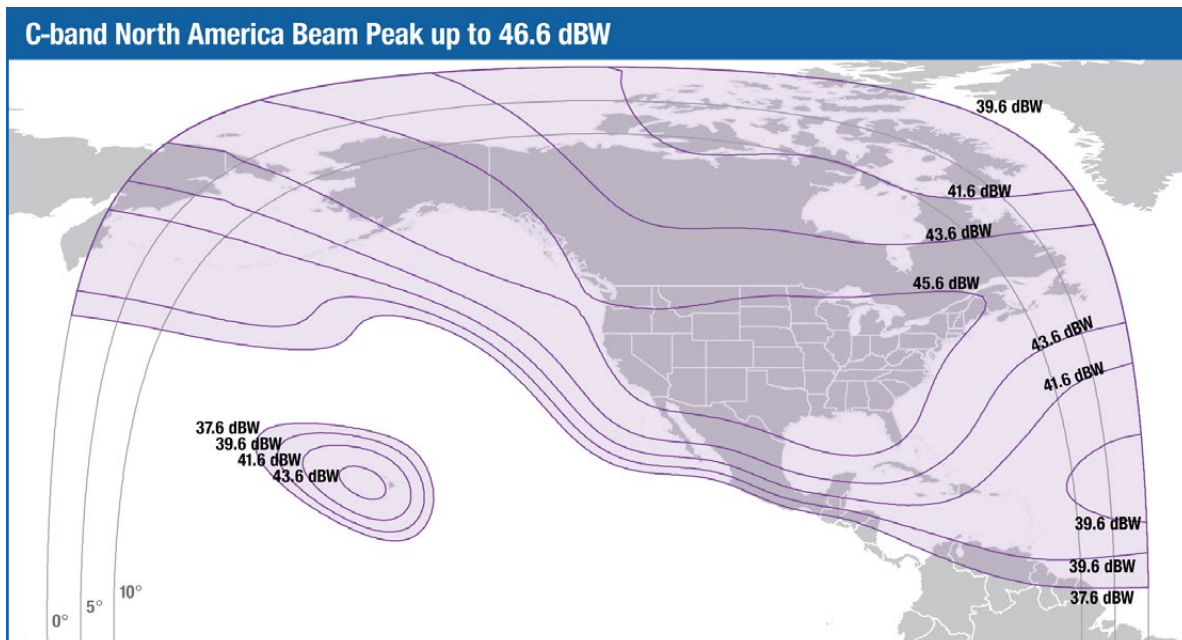
North America up to 7.7 dB/K

North Pacific up to 2.9 dB/K

East Pacific up to 4.2 dB/K

South Pacific up to 3.0 dB/K

Galaxy 30 at 125°W

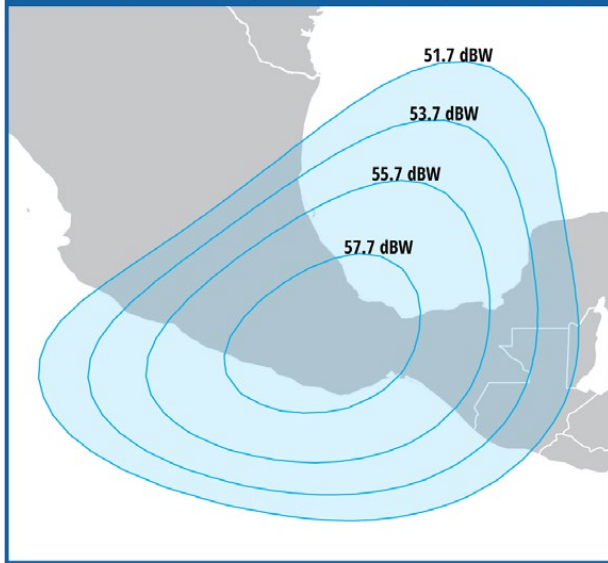


C-band Key Parameters

Configurable Capacity:	24 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	3700 to 4200 MHz
Typical Edge of Coverage e.i.r.p.:	> 36.7 dBW
Uplink Frequency:	5925 to 6425 MHz
Beam Peak G/T:	Up to 6.2 dB/K

Galaxy 30 at 125°W

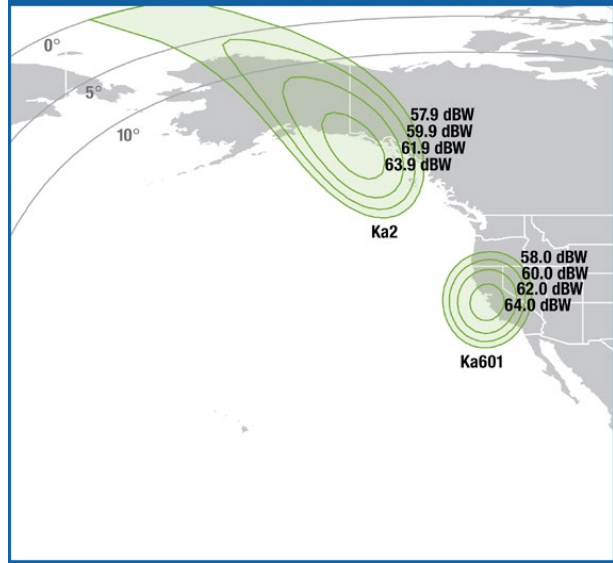
Ku-band Steerable Spot Beam Peak up to 58.7 dBW



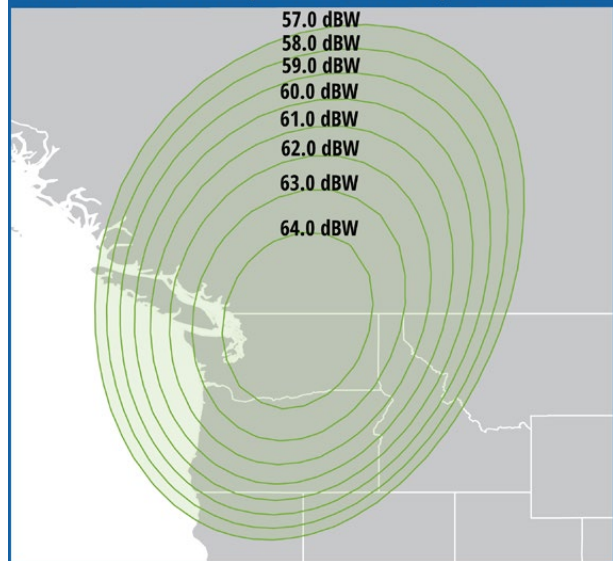
Ku-band Key Parameters

Configurable Capacity:	35 (in equivalent 36 MHz units) Loop-back or Ku-Ka connectivity
Polarization	Linear – Horizontal or Vertical
Downlink Frequency:	10.70 to 11.70 GHz
Typical Edge of Coverage e.i.r.p.:	> 53.0 dBW
Uplink Frequency:	12.75 to 13.25 GHz and 13.75 to 14.50 GHz
Beam Peak G/T:	Up to 15.0 dB/K

Ka-band Steerable Spot Beam Peak up to 65.0 dBW



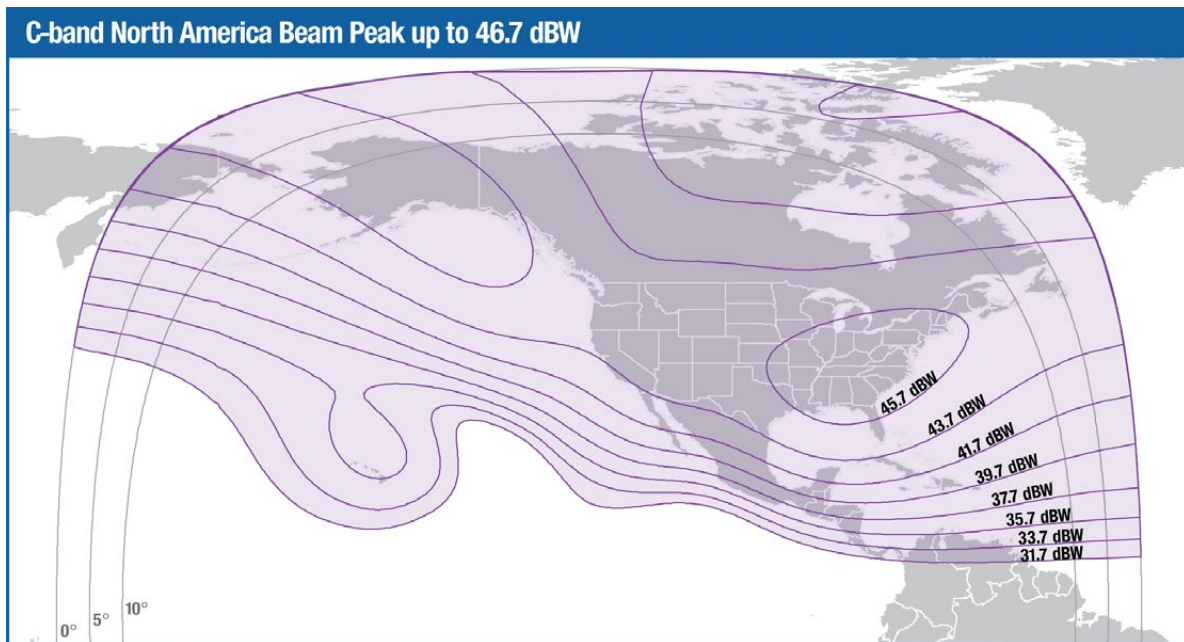
Ka-band Steerable Spot Beam Peak up to 65.0 dBW



Ka-band Key Parameters

Configurable Capacity:	100 (in equivalent 36 MHz units) Loop-back or Ku-Ka connectivity
Polarization:	Circular – Right or Left Hand
Downlink Frequency:	17.80 to 18.80 GHz and 19.20 to 20.20 GHz
Typical Edge of Coverage e.i.r.p.:	Ka2: > 58.2 dBW Ka601: > 53.0 dBW
Uplink Frequency:	27.60 to 28.60 GHz and 29.00 to 30.00 GHz
Beam Peak G/T:	Ka2: Up to 20.5 dB/K Ka601: Up to 20.7 dB/K

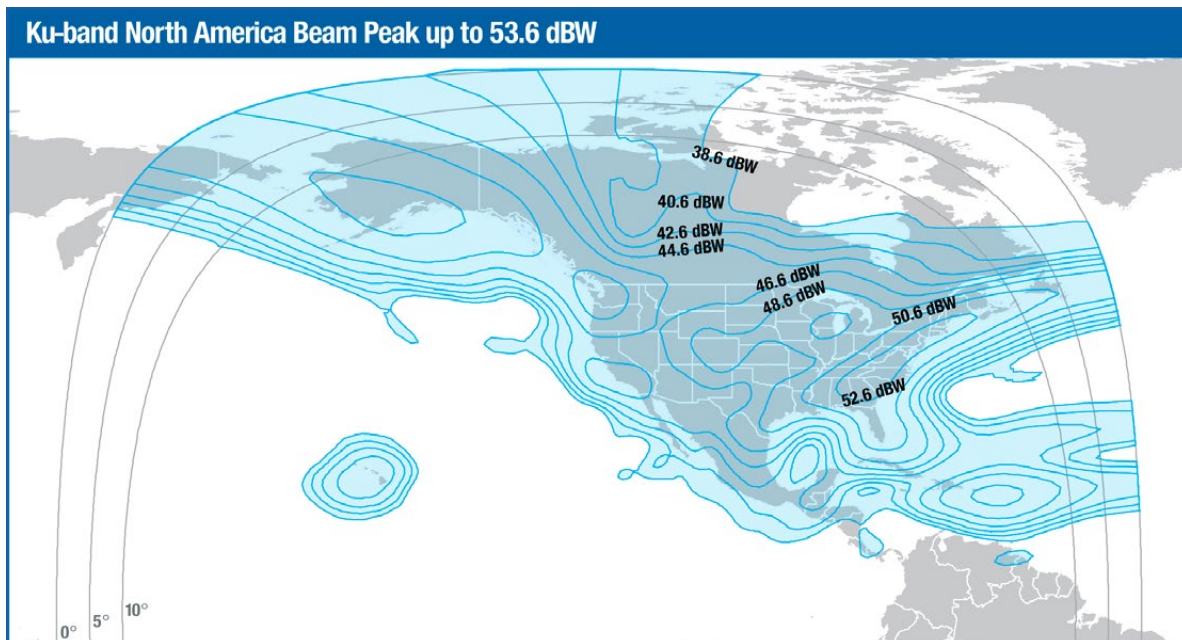
Galaxy 18 at 123°W



C-band Key Parameters

Configurable Capacity:	24 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	3700 to 4200 MHz
Typical Edge of Coverage e.i.r.p.:	> 32.0 dBW
Uplink Frequency:	5925 to 6425 MHz
Beam Peak G/T:	Up to 6.7 dB/K

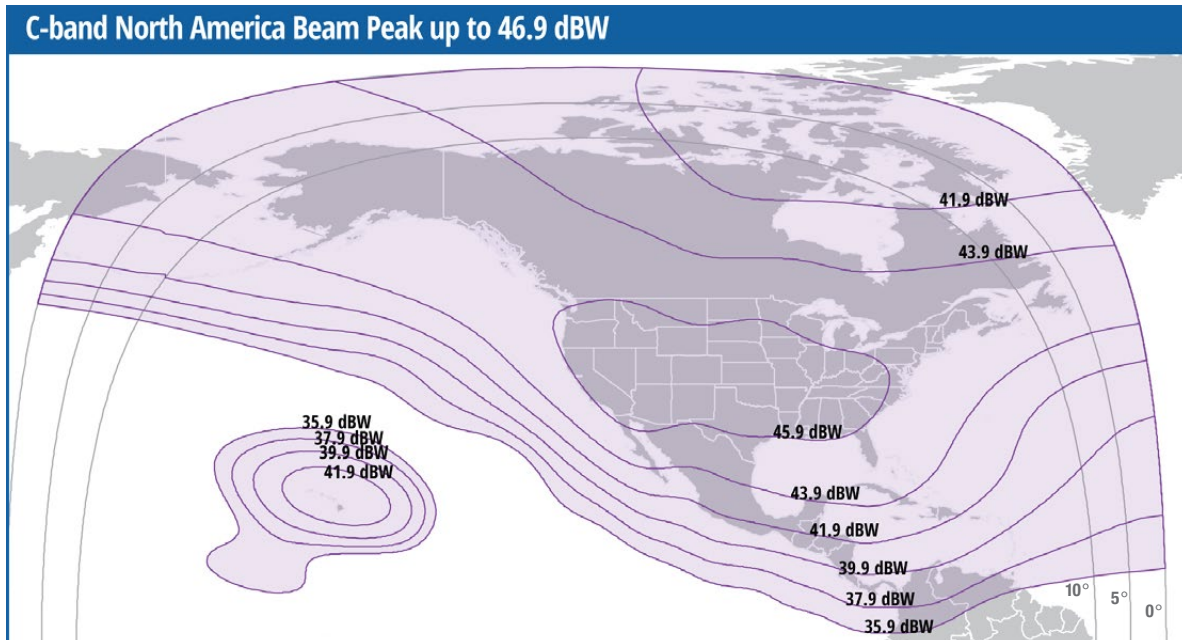
Galaxy 18 at 123°W



Ku-band Key Parameters

Configurable Capacity:	24 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	11.70 to 12.20 GHz
Typical Edge of Coverage e.i.r.p.:	> 40.0 dBW
Uplink Frequency:	14.00 to 14.50 GHz
Beam Peak G/T:	Up to 9.5 dB/K

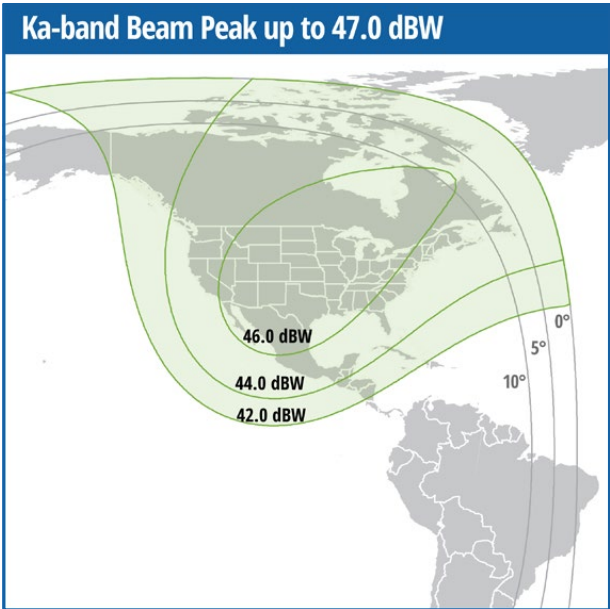
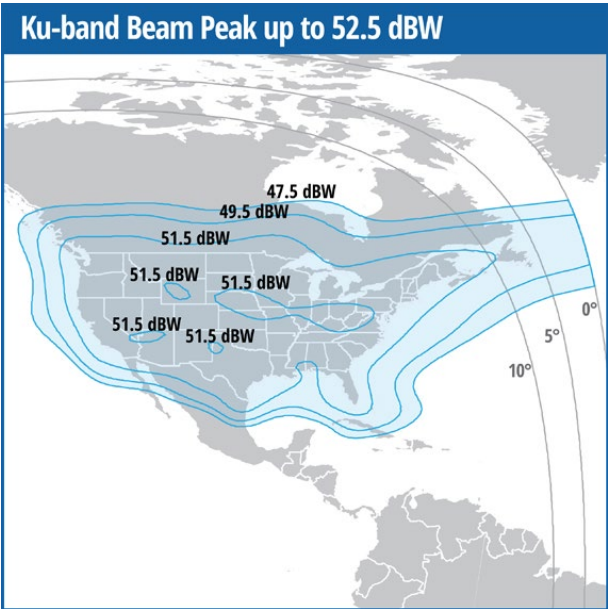
Galaxy 31 at 121°W



C-band Key Parameters

Configurable Capacity:	24 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	3700 to 4200 MHz
Typical Edge of Coverage e.i.r.p.:	> 36.9 dBW
Uplink Frequency:	5925 to 6425 MHz
Beam Peak G/T:	Up to 5.1 dB/K

Galaxy 31 at 121°W



Note: Ku-and Ka-band payload may not be usable due to frequency restrictions or filing priority.

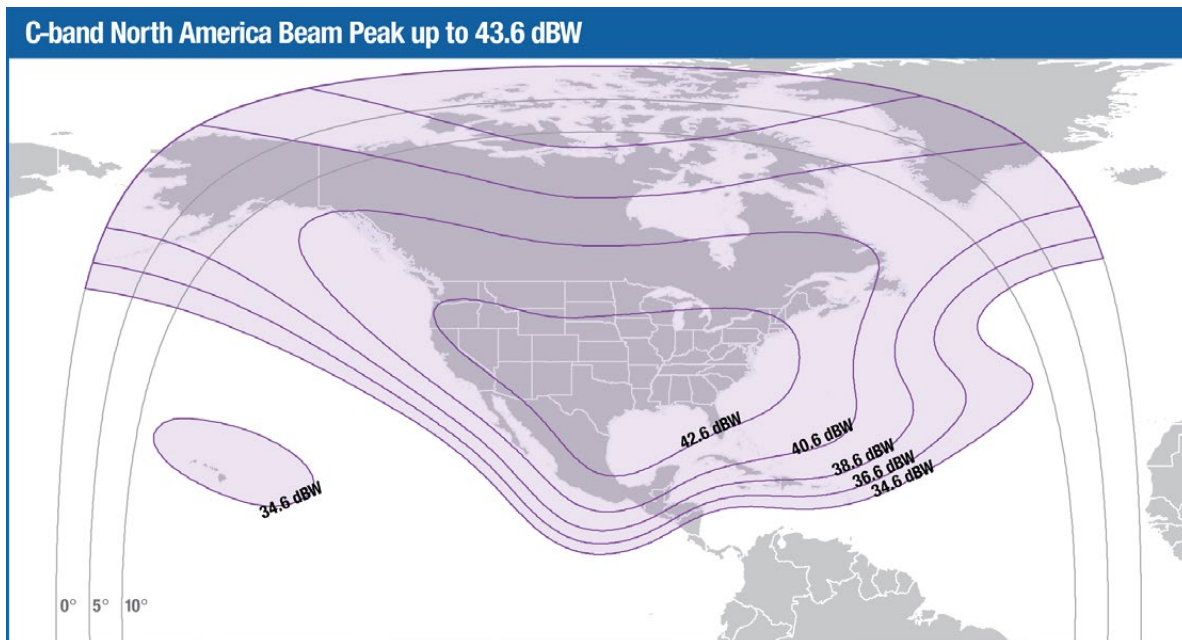
Ku-band Key Parameters

Configurable Capacity:	28 (in equivalent 36 MHz units)
Polarization	Linear – Horizontal or Vertical
Downlink Frequency:	10.80 to 11.70 GHz and 11.70 to 12.40 GHz
Typical Edge of Coverage e.i.r.p.:	> 45.4 dBW
Uplink Frequency:	12.85 to 13.25 GHz and 13.75 to 14.50 GHz
Beam Peak G/T:	Up to 8.1 dB/K

Ka-band Key Parameters

Configurable Capacity:	62 (in equivalent 36 MHz units)
Polarization:	Circular – Right or Left Hand
Downlink Frequency:	17.80 to 20.10 GHz
Typical Edge of Coverage e.i.r.p.:	> 43.3 dBW
Uplink Frequency:	27.60 to 29.90 GHz
Beam Peak G/T:	Up to -0.8 dB/K

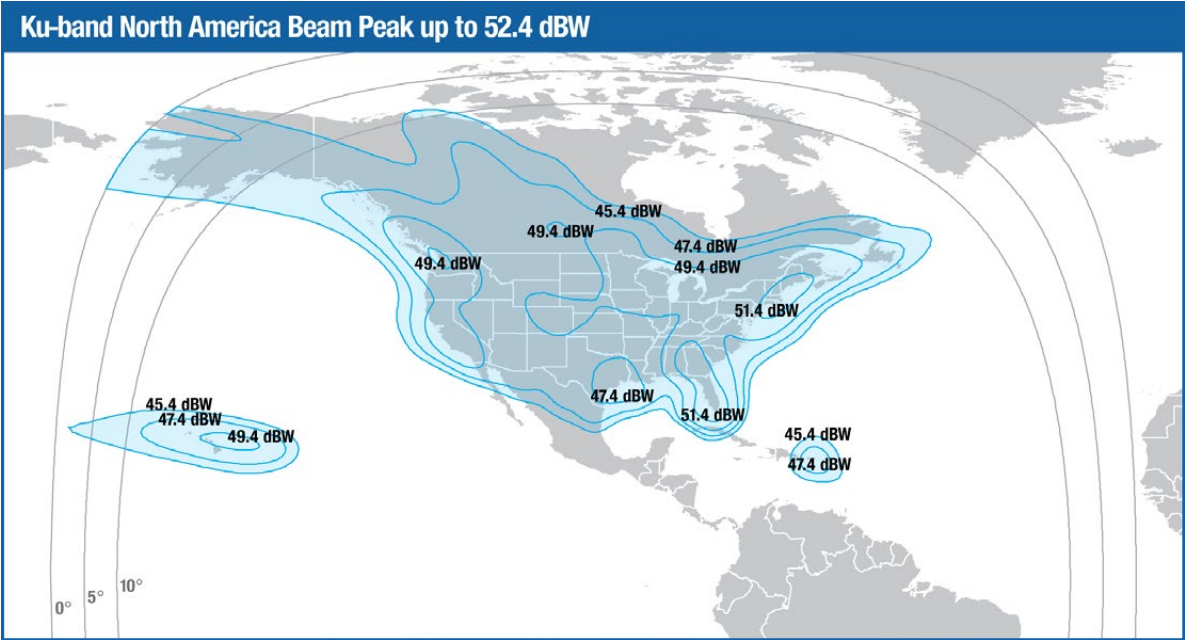
Galaxy 16 at 99°W



C-band Key Parameters

Configurable Capacity:	24 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	3700 to 4200 MHz
Typical Edge of Coverage e.i.r.p.:	> 34.0 dBW
Uplink Frequency:	5925 to 6425 MHz
Beam Peak G/T:	Up to 3.5 dB/K

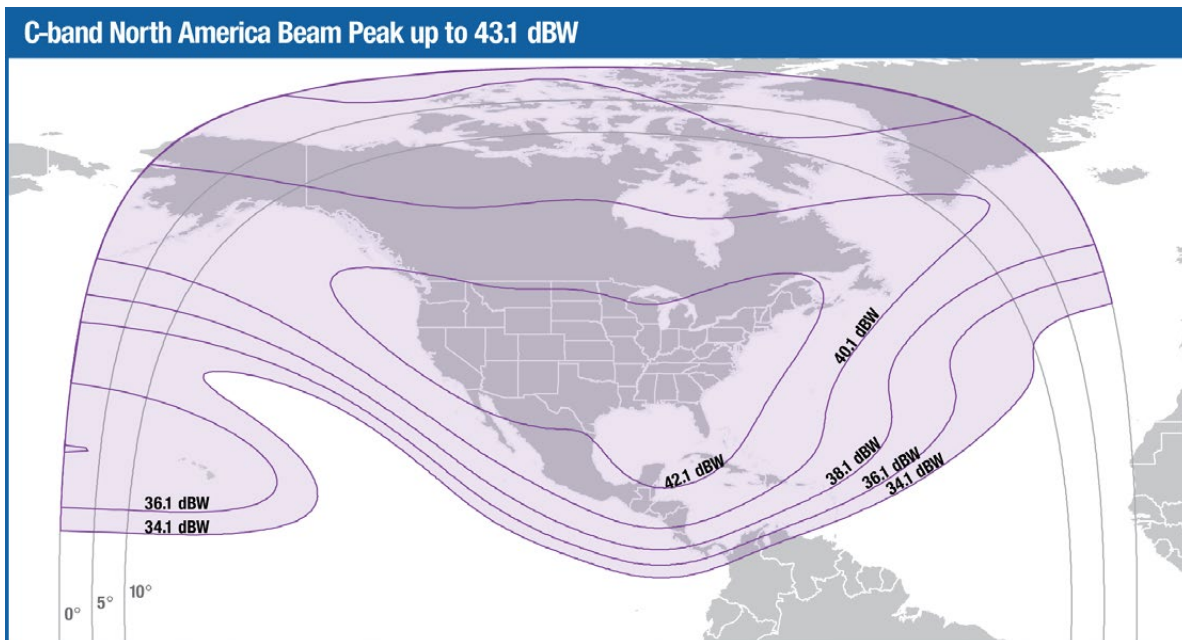
Galaxy 16 at 99°W



Ku-band Key Parameters

Configurable Capacity:	24 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	11.70 to 12.20 GHz
Typical Edge of Coverage e.i.r.p.:	> 42.0 dBW
Uplink Frequency:	14.00 to 14.50 GHz
Beam Peak G/T:	Up to 5.9 dB/K

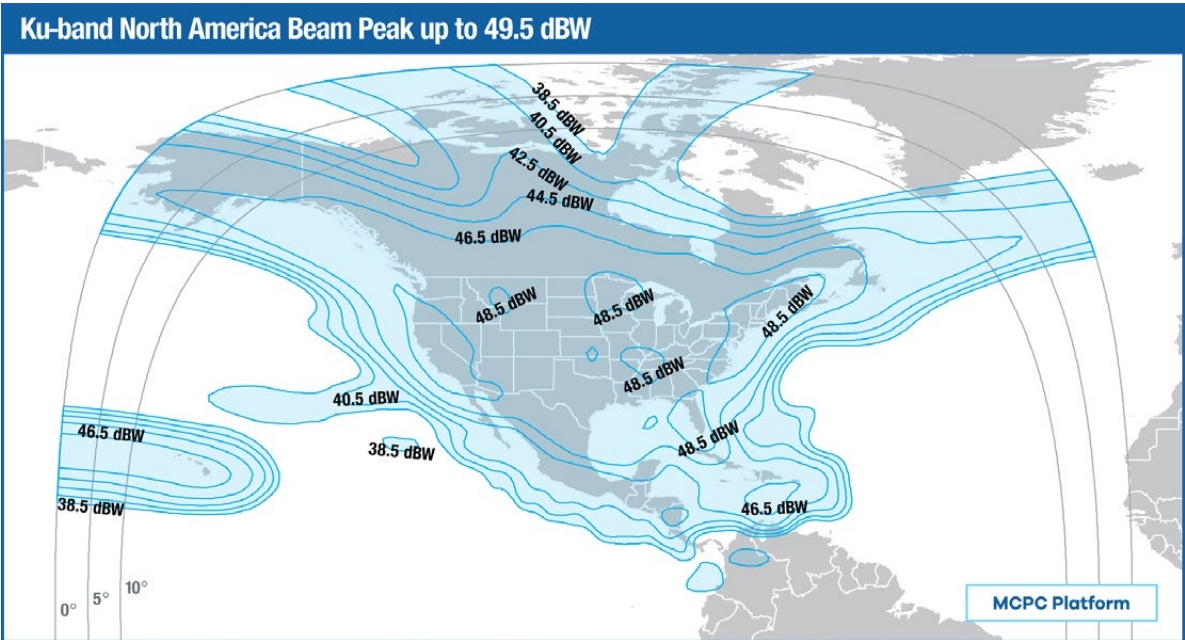
Galaxy 19 at 97°W



C-band Key Parameters

Configurable Capacity:	24 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	3700 to 4200 MHz
Typical Edge of Coverage e.i.r.p.:	> 35.5 dBW
Uplink Frequency:	5925 to 6425 MHz
Beam Peak G/T:	Up to 4.6 dB/K

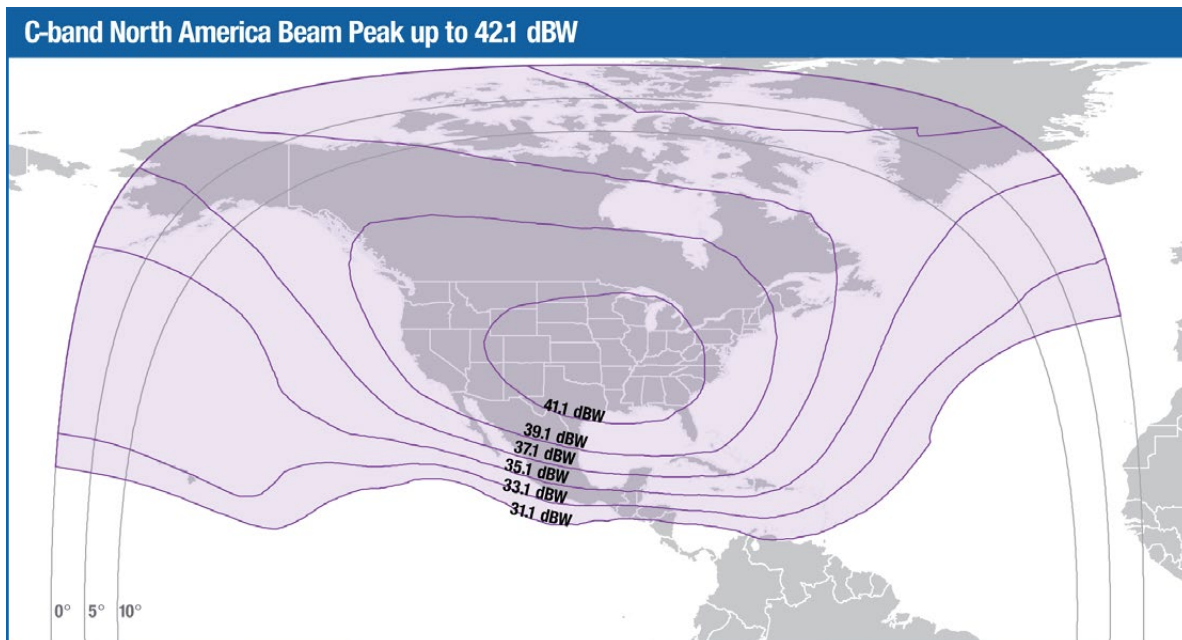
Galaxy 19 at 97°W



Ku-band Key Parameters

Configurable Capacity:	24 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	11.70 to 12.20 GHz
Typical Edge of Coverage e.i.r.p.:	> 40.5 dBW
Uplink Frequency:	14.00 to 14.50 GHz
Beam Peak G/T:	Up to 5.3 dB/K

Galaxy 3C at 95°W*

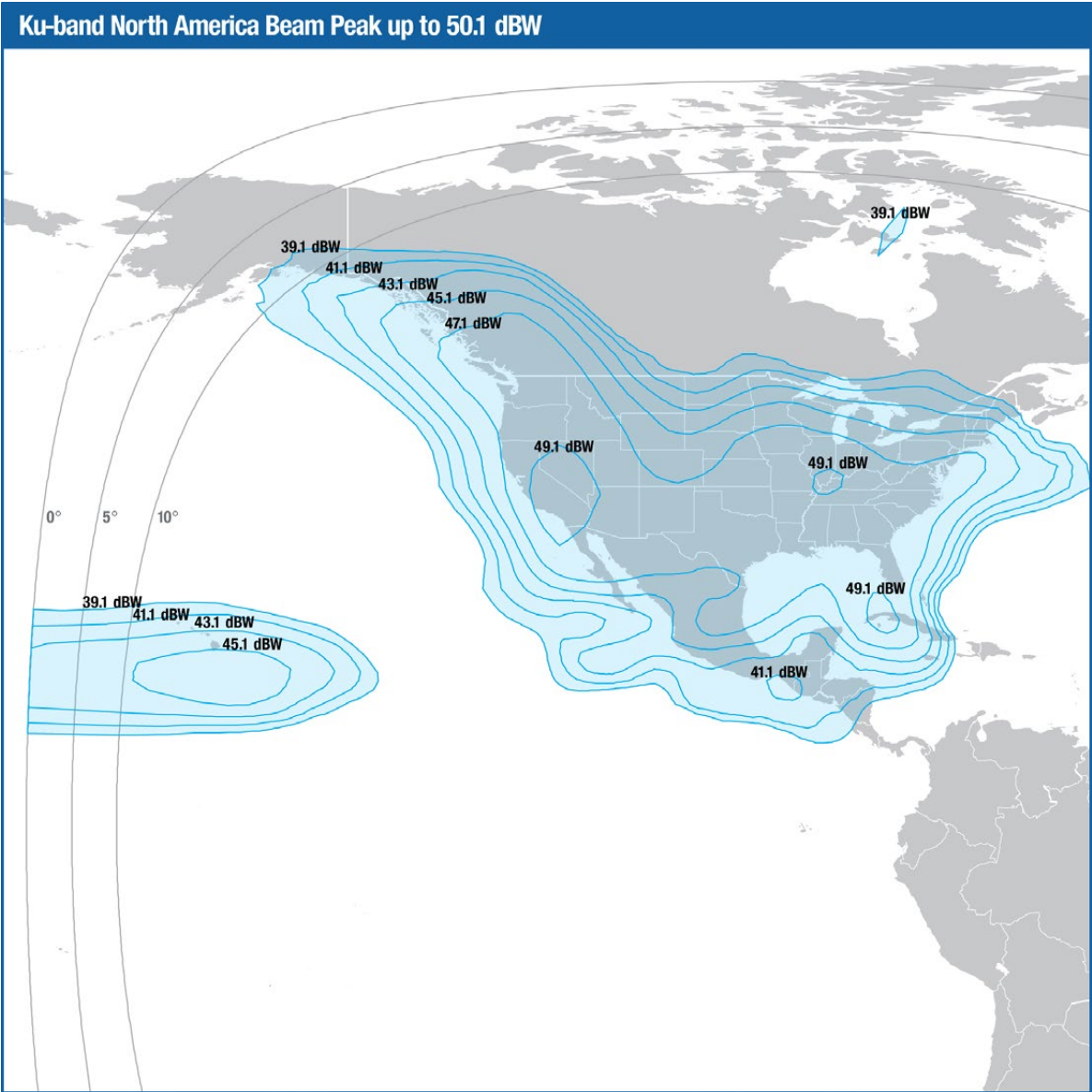


*Inclined Orbit Operation (IOO).

C-band Key Parameters

Configurable Capacity:	24 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	3700 to 4200 MHz
Typical Edge of Coverage e.i.r.p.:	> 32.0 dBW
Uplink Frequency:	5925 to 6425 MHz
Beam Peak G/T:	Up to 5.2 dB/K

Galaxy 3C at 95°W*



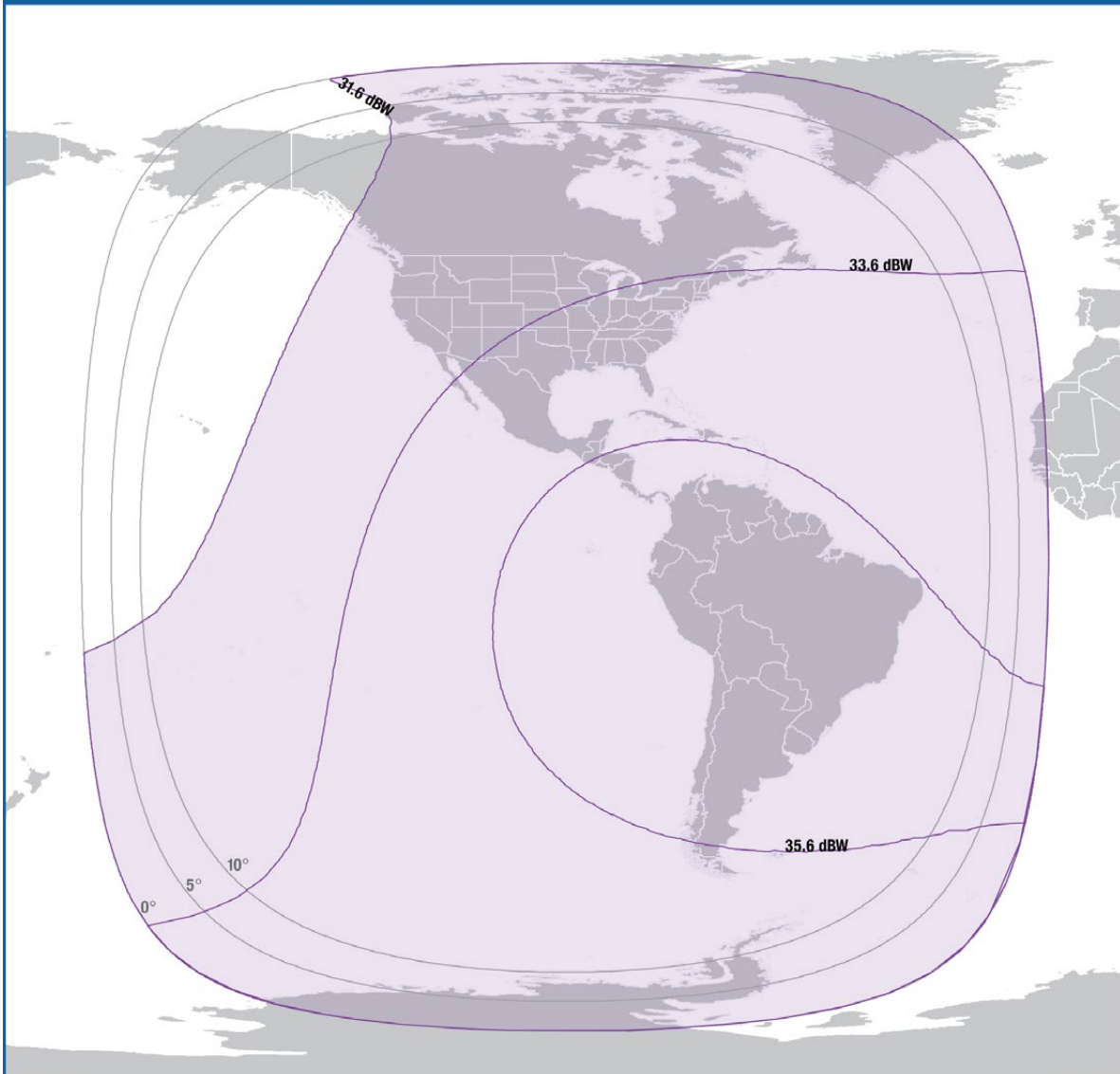
*Inclined Orbit Operation (IOO).

Ku-band Key Parameters

Configurable Capacity:	24 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	11.70 to 12.20 GHz
Typical Edge of Coverage e.i.r.p.:	> 40.0 dBW
Uplink Frequency:	13.75 to 14.50 GHz
Beam Peak G/T:	Up to 6.4 dB/K

Intelsat 30 at 95°W

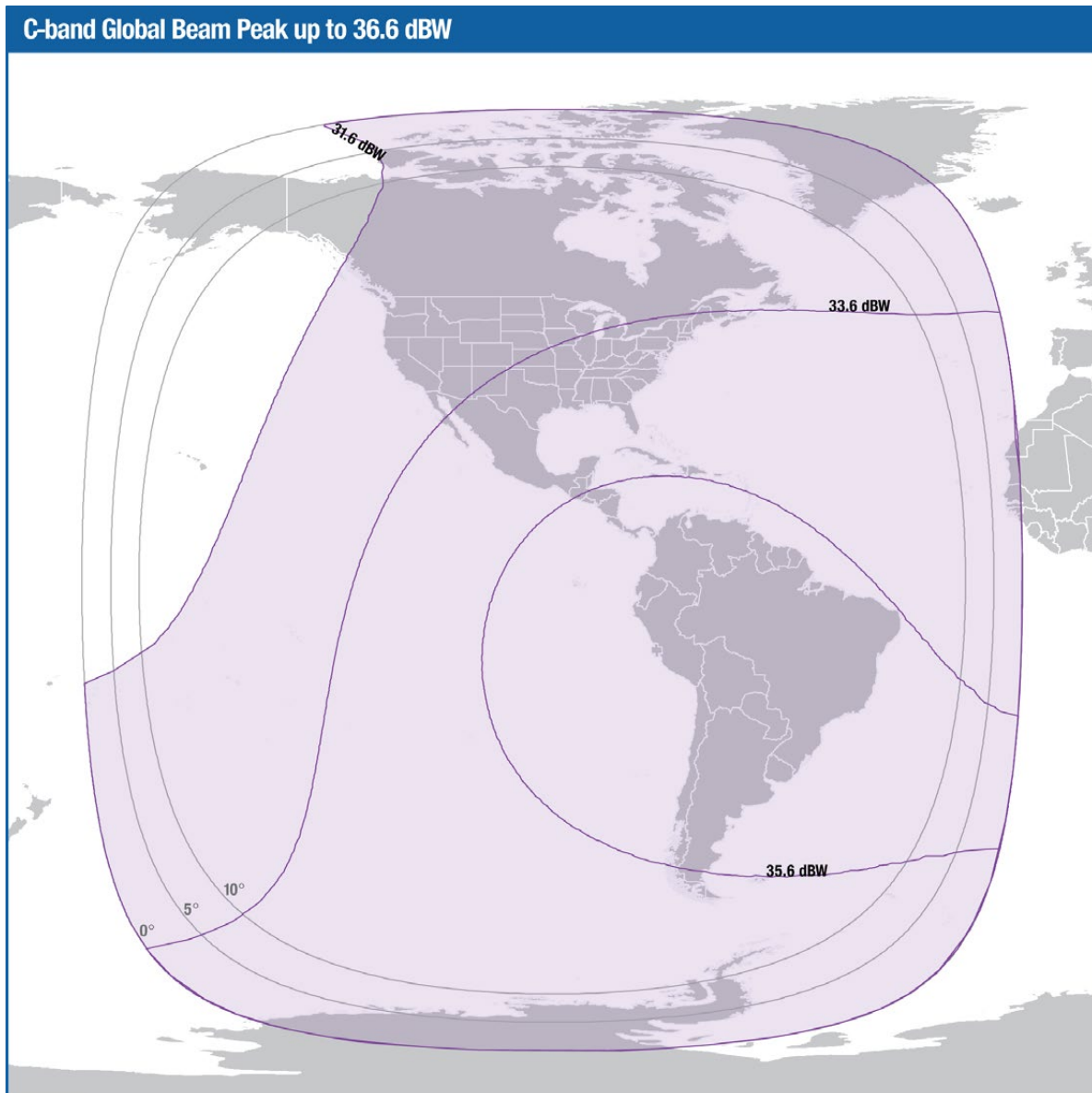
C-band Global Beam Peak up to 36.6 dBW



C-band Key Parameters

Configurable Capacity:	8 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal uplink, Vertical downlink
Downlink Frequency:	3400 to 3700 MHz
Typical Edge of Coverage e.i.r.p.:	> 33.2 dBW
Uplink Frequency:	6425 to 6725 MHz
Beam Peak G/T:	Up to -6.5 dB/K

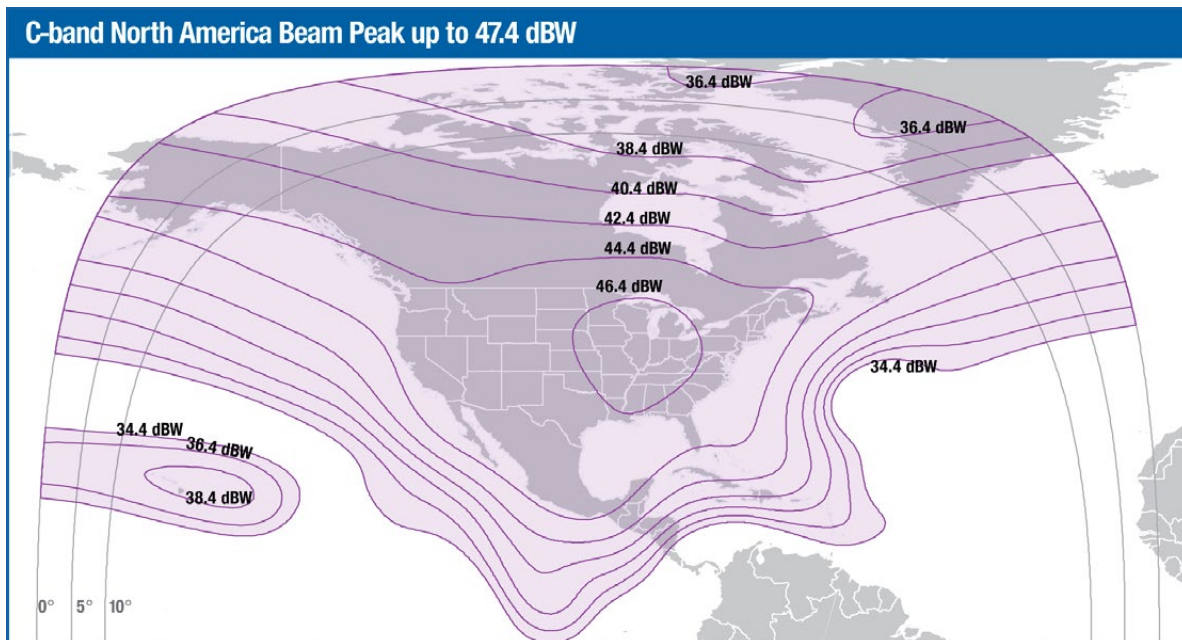
Intelsat 31 at 95°W



C-band Key Parameters

Configurable Capacity:	8 (in equivalent 36 MHz units)
Polarization:	Linear – Vertical uplink, Horizontal downlink
Downlink Frequency:	3400 to 3700 MHz
Typical Edge of Coverage e.i.r.p.:	> 33.2 dBW
Uplink Frequency:	6425 to 6725 MHz
Beam Peak G/T:	Up to -6.5 dB/K

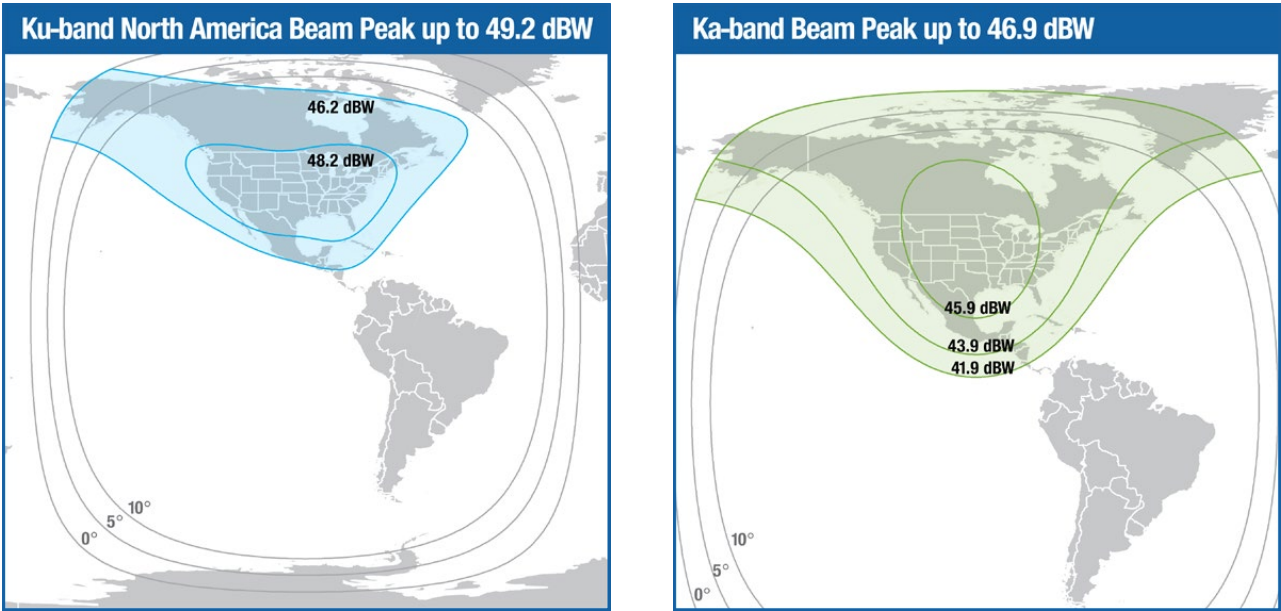
Galaxy 35 at 93°W



C-band Key Parameters

Configurable Capacity:	24 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	3700 to 4200 MHz
Typical Edge of Coverage e.i.r.p.:	> 36.6 dBW
Uplink Frequency:	5925 to 6425 MHz
Beam Peak G/T:	Up to 5.1 dB/K

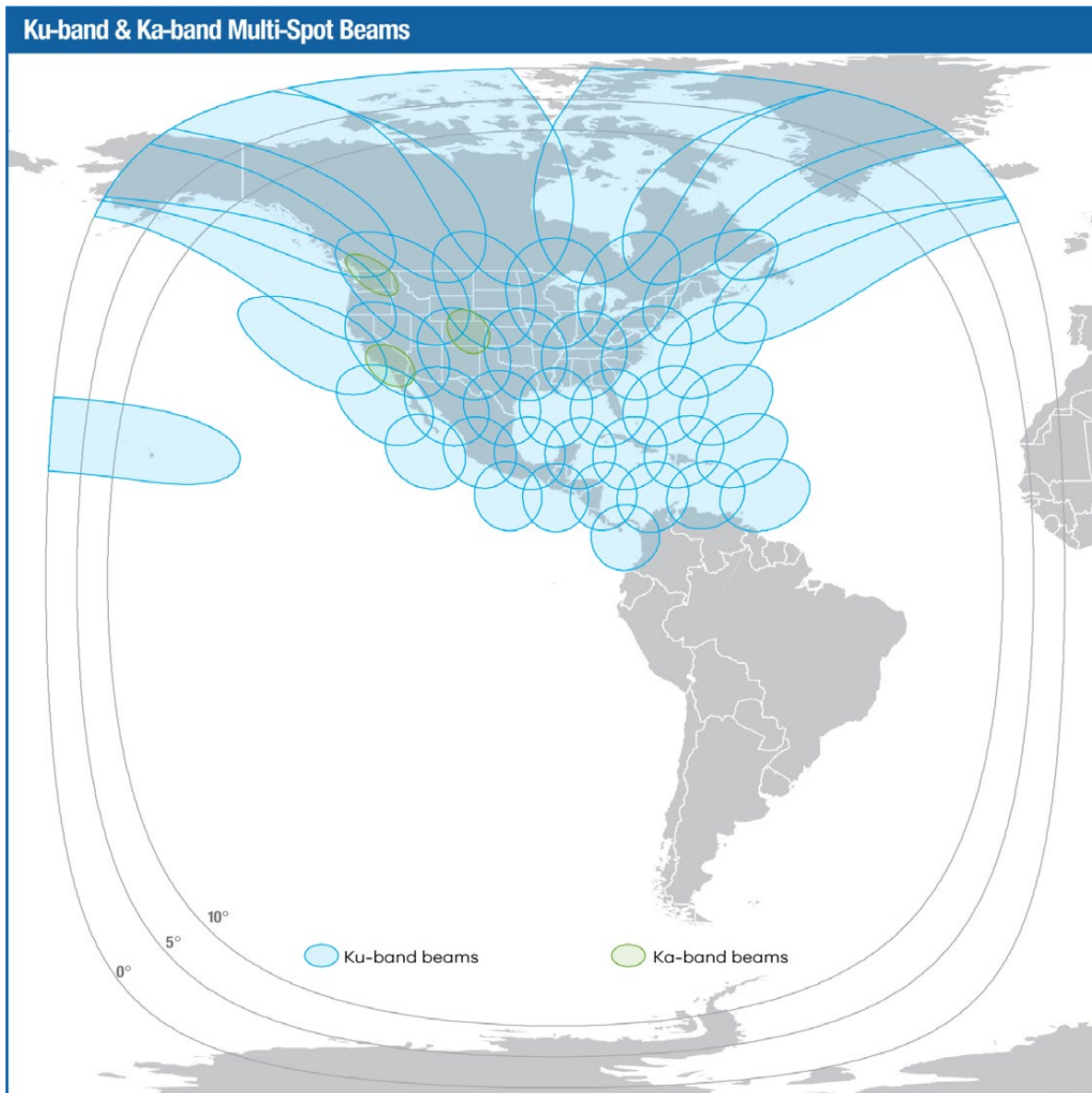
Galaxy 35 at 93°W



Note: Ku-and Ka-band payload may not be usable due to frequency restrictions or filing priority.

Ku-band Key Parameters		Ka-band Key Parameters	
Configurable Capacity:	28 (in equivalent 36 MHz units)	Configurable Capacity:	62 (in equivalent 36 MHz units)
Polarization	Linear – Horizontal or Vertical	Polarization:	Circular - Right or Left Hand
Downlink Frequency:	10.70 to 11.20 GHz and 11.70 to 12.45 GHz	Downlink Frequency:	17.70 to 20.20 GHz
Typical Edge of Coverage e.i.r.p.:	> 41.0 dBW	Typical Edge of Coverage e.i.r.p.:	> 43.3 dBW
Uplink Frequency:	12.75 to 13.25 GHz and 13.75 to 14.50 GHz	Uplink Frequency:	27.50 to 30.00 GHz
Beam Peak G/T:	Up to 2.4 dB/K	Beam Peak G/T:	Up to -0.8 dB/K

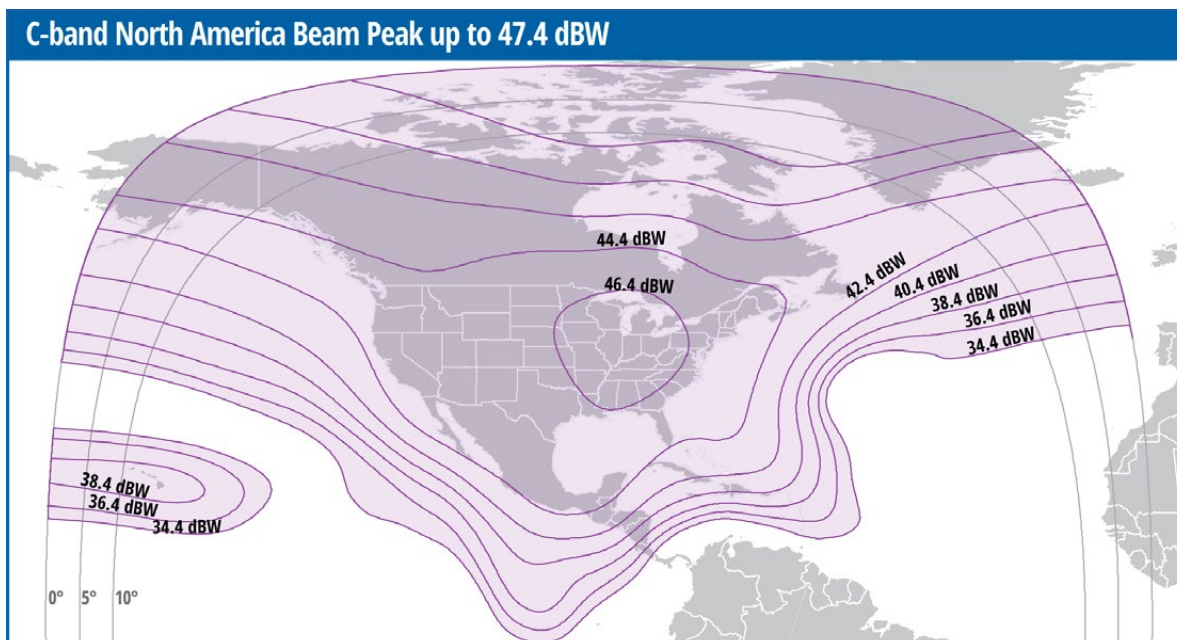
Intelsat 40e at 91°W



Ku-band Key Parameters

Configurable Capacity:	326 (in equivalent 36 MHz units)
Polarization:	Linear - Horizontal or Vertical
Typical e.i.r.p. Range:	Multi-Spot: 50.7 up to 62.3 dBW
Typical G/T Range:	Multi-Spot: +9.0 up to +16.7 dB/K

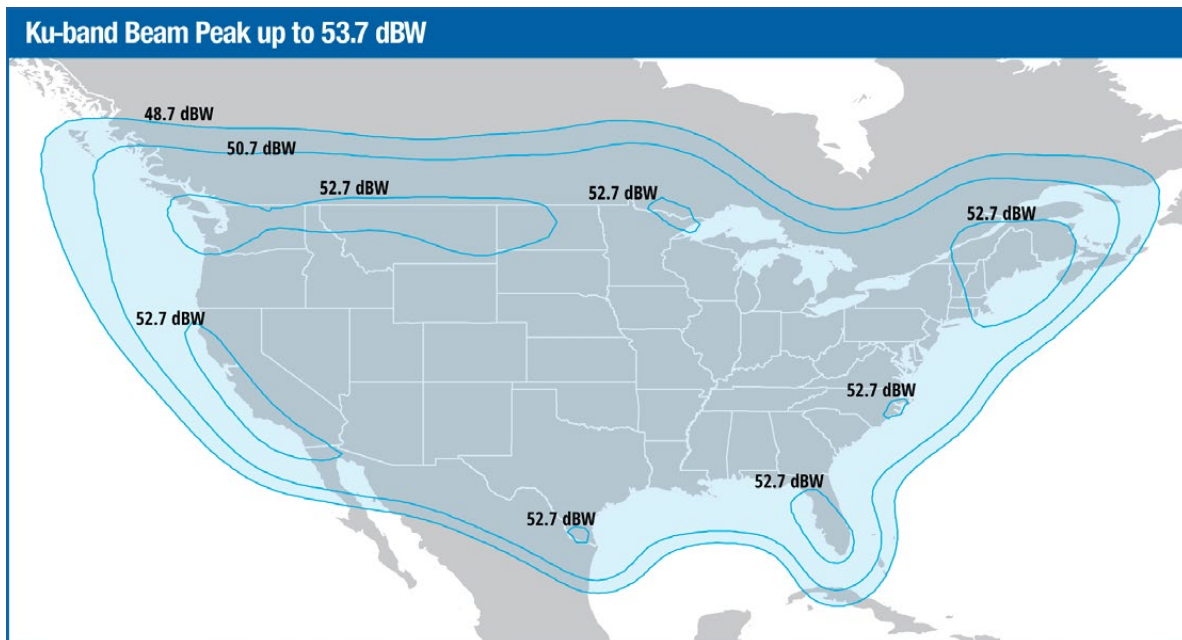
Galaxy 32 at 91°W



C-band Key Parameters

Configurable Capacity:	24 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	3700 to 4200 MHz
Typical Edge of Coverage e.i.r.p.:	> 35.6 dBW
Uplink Frequency:	5925 to 6425 MHz
Beam Peak G/T:	Up to 5.2 dB/K

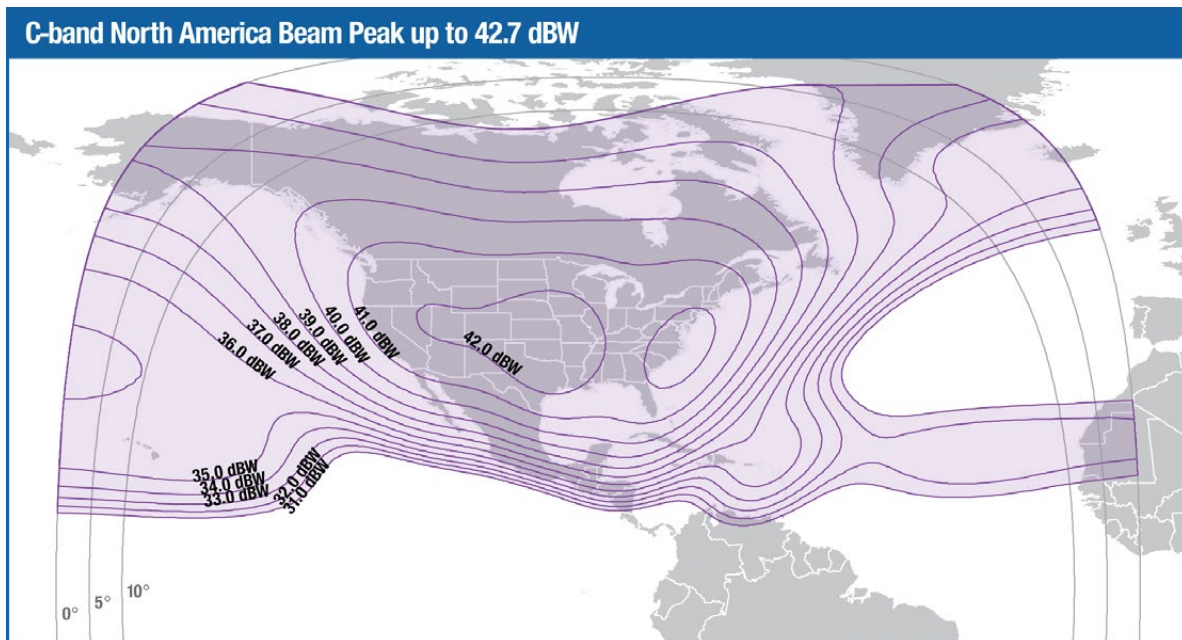
Galaxy 32 at 91°W



Ku-band Key Parameters

Configurable Capacity:	1 (in equivalent 36 MHz units)
Polarization	Linear – Horizontal or Vertical
Downlink Frequency:	11.455 to 11.495 GHz
Typical Edge of Coverage e.i.r.p.:	> 51.0 dBW
Uplink Frequency:	13.805 to 13.845 GHz
Beam Peak G/T:	Up to 7.7 dB/K

Galaxy 28 at 89°W*

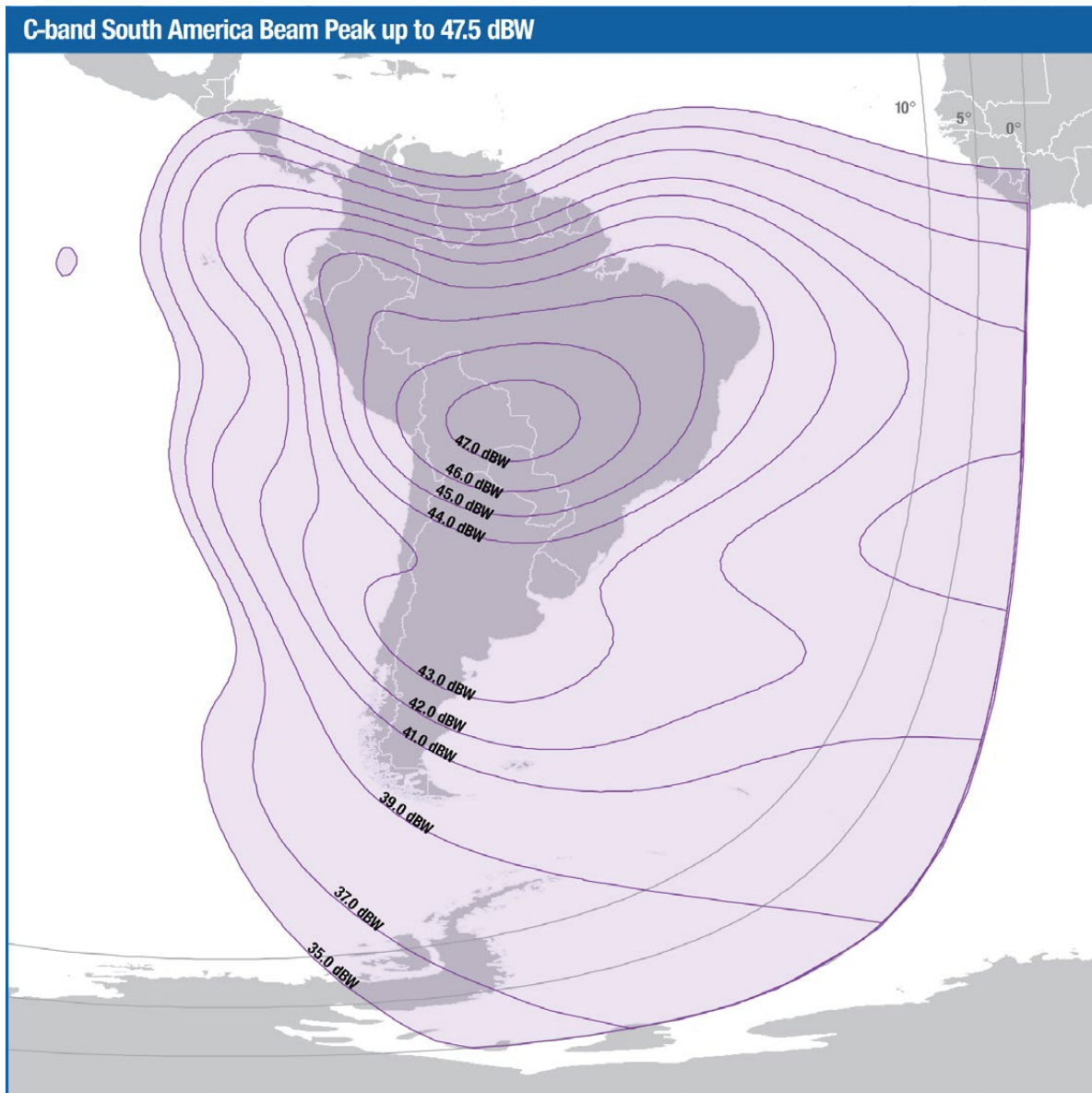


*Inclined Orbit Operation (IOO).

C-band Key Parameters

Configurable Capacity:	24 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	3700 to 4200 MHz
Typical Edge of Coverage e.i.r.p.:	> 32.7 dBW
Uplink Frequency:	5925 to 6425 MHz
Beam Peak G/T:	Up to 3.6 dB/K

Galaxy 28 at 89°W*

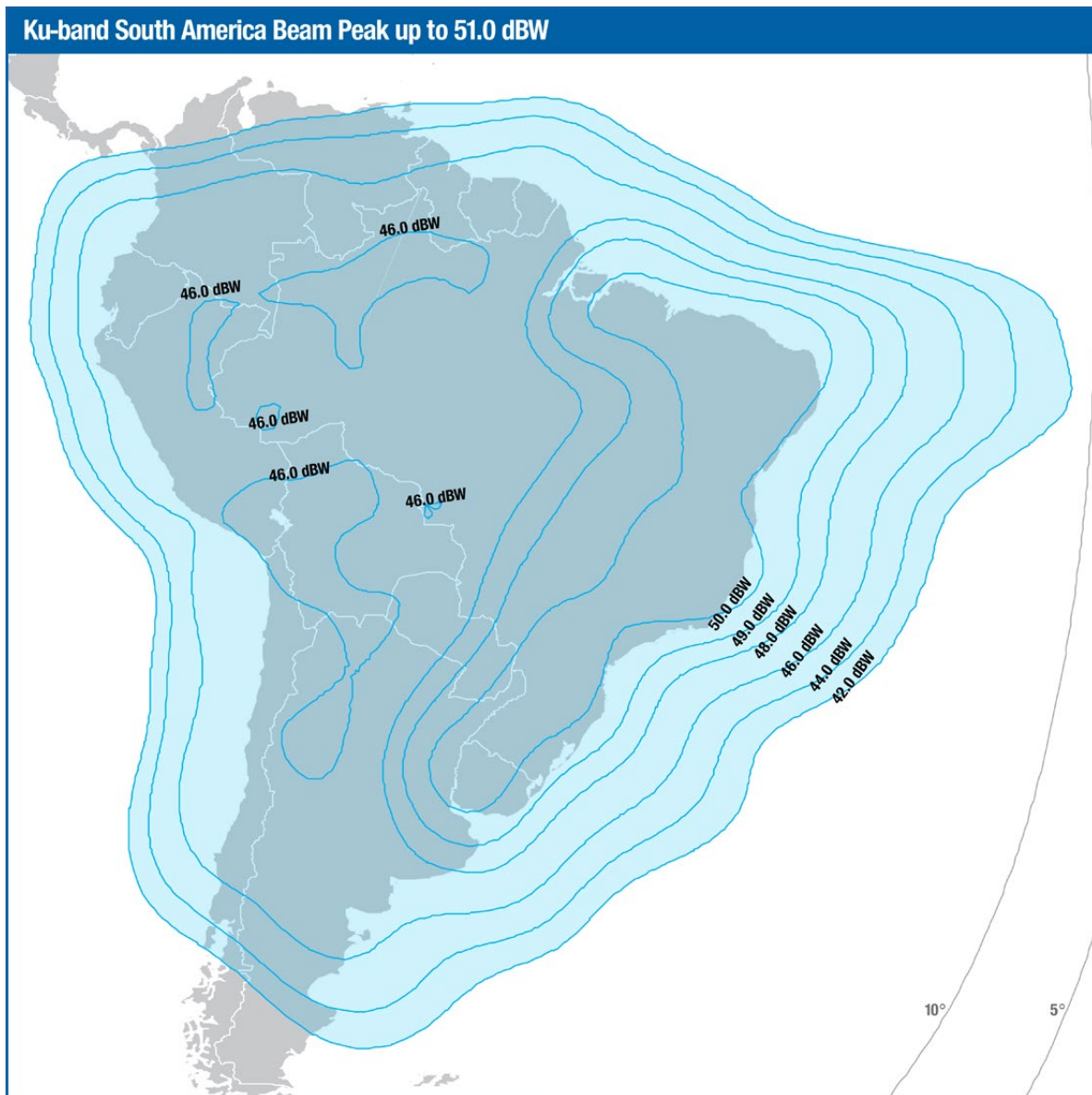


**Inclined Orbit Operation (IOO).*

C-band Key Parameters

Configurable Capacity:	12 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	3700 to 4200 MHz
Typical Edge of Coverage e.i.r.p.:	> 38.5 dBW
Uplink Frequency:	5925 to 6425 MHz
Beam Peak G/T:	Up to 4.0 dB/K

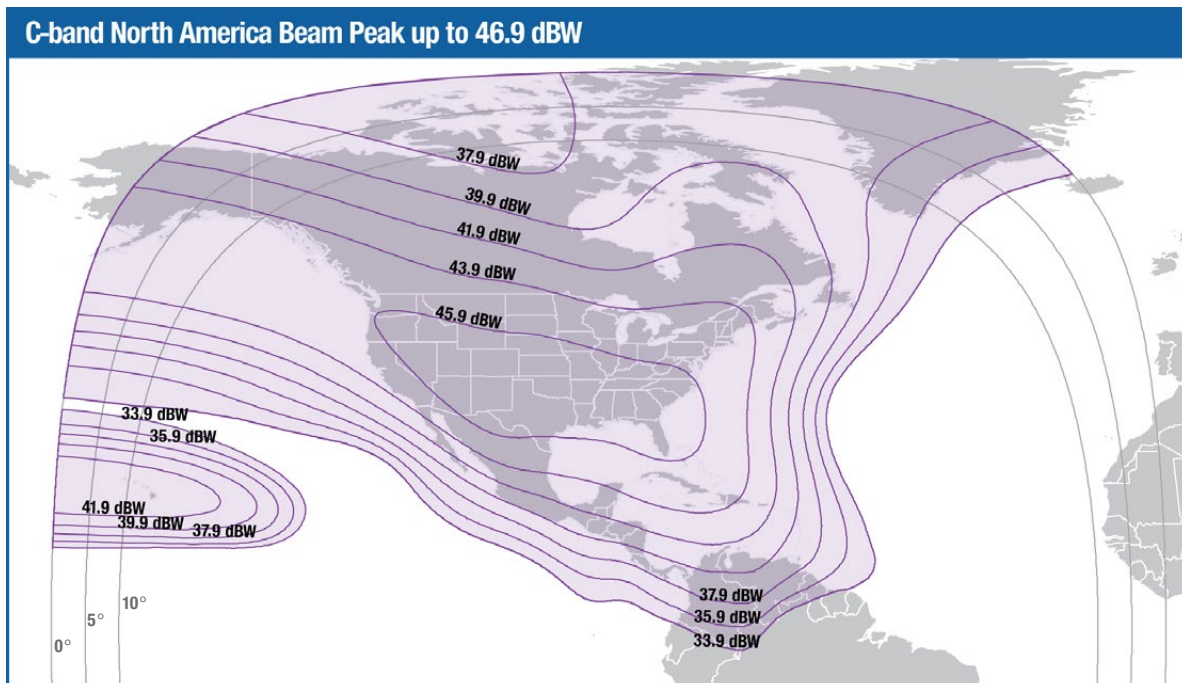
Galaxy 28 at 89°W



Ku-band Key Parameters

Configurable Capacity:	11/12 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	11.70 to 12.20 GHz
Typical Edge of Coverage e.i.r.p.:	> 44.0 dBW
Uplink Frequency:	14.00 to 14.50 GHz
Beam Peak G/T:	Up to 5.3 dB/K

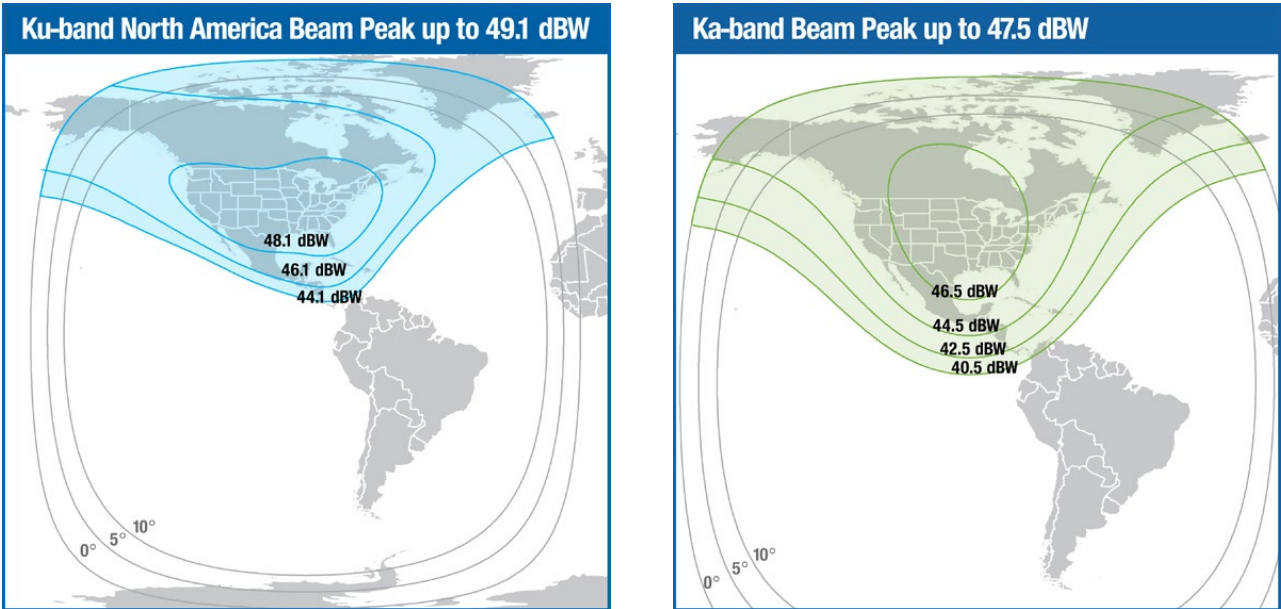
Galaxy 36 at 89°W



C-band Key Parameters

Configurable Capacity:	24 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	3700 to 4200 MHz
Typical Edge of Coverage e.i.r.p.:	> 35.4 dBW
Uplink Frequency:	5925 to 6425 MHz
Beam Peak G/T:	Up to 5.1 dB/K

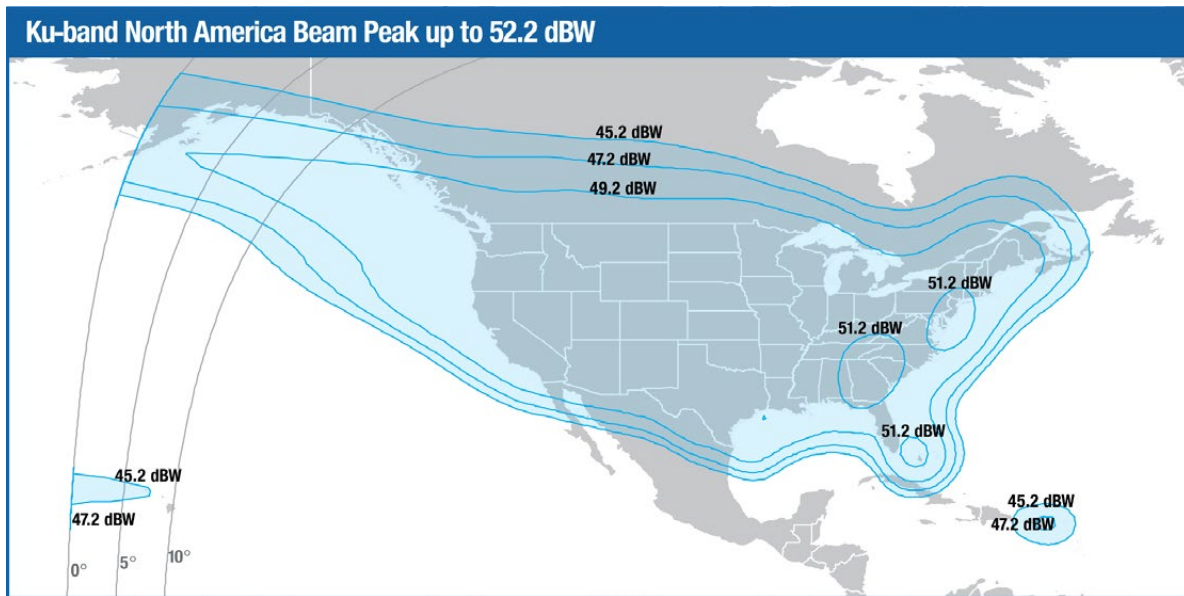
Galaxy 36 at 89°W



Note: Ku- and Ka-band payload may not be usable due to frequency restrictions or filing priority.

Ku-band Key Parameters		Ka-band Key Parameters	
Configurable Capacity:	28 (in equivalent 36 MHz units)	Configurable Capacity:	62 (in equivalent 36 MHz units)
Polarization	Linear – Horizontal or Vertical	Polarization:	Circular – Right or Left Hand
Downlink Frequency:	10.70 to 11.20 GHz and 11.70 to 12.45 GHz	Downlink Frequency:	17.70 to 20.20 GHz
Typical Edge of Coverage e.i.r.p.:	> 41.0 dBW	Typical Edge of Coverage e.i.r.p.:	> 43.3 dBW
Uplink Frequency:	12.75 to 13.25 GHz and 13.75 to 14.50 GHz	Uplink Frequency:	27.50 to 30.00 GHz
Beam Peak G/T:	Up to 2.5 dB/K	Beam Peak G/T:	Up to 0.0 dB/K

Galaxy 17 at 85°W*



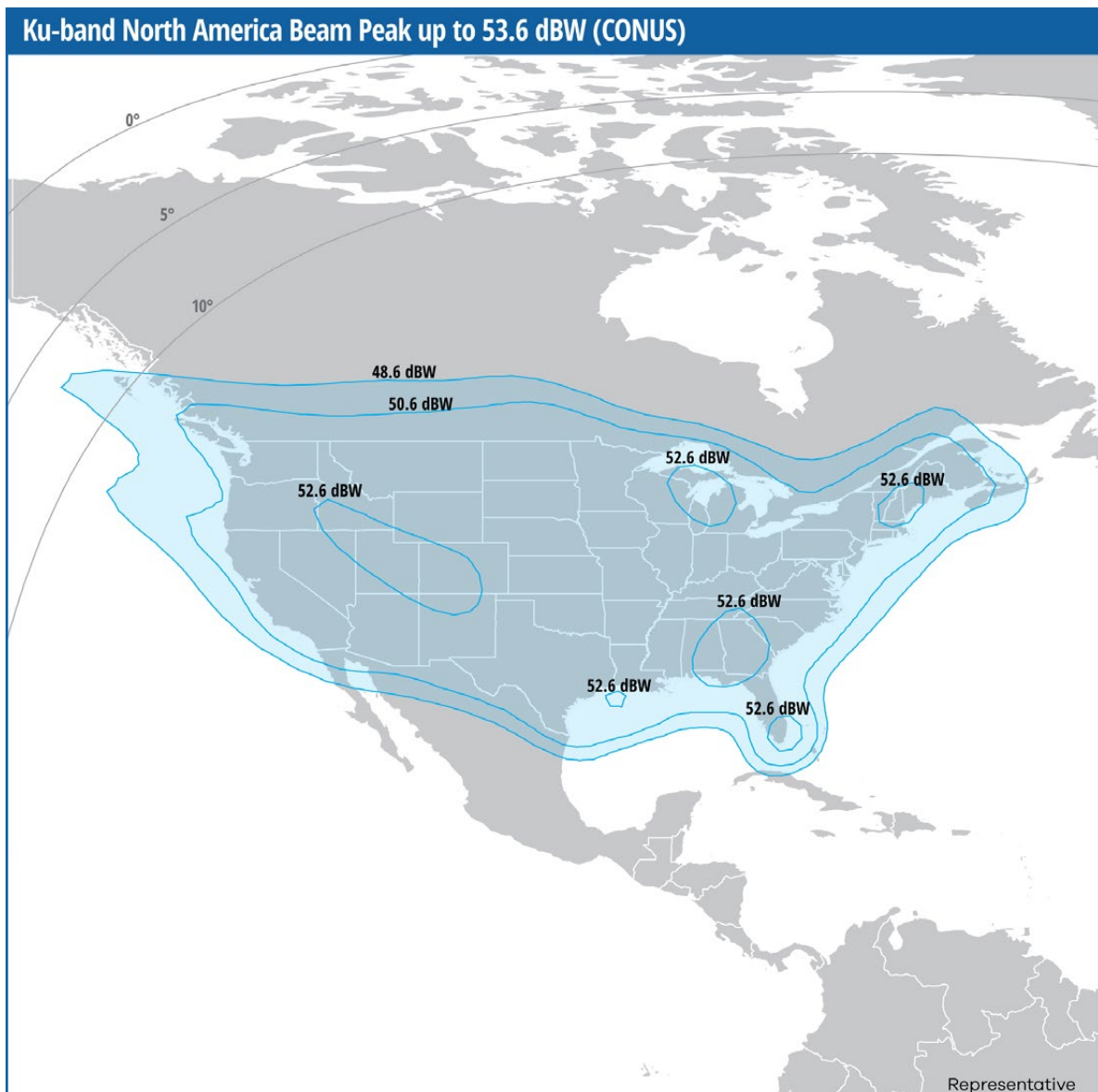
*Inclined Orbit Operation (IOO).

Ku-band Key Parameters

Configurable Capacity:	24 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	11.70 to 12.20 GHz
Typical Edge of Coverage e.i.r.p.:	> 44.2 dBW
Uplink Frequency:	14.00 to 14.50 GHz
Beam Peak G/T:	Up to 7.5 dB/K

Atlantic Ocean Region

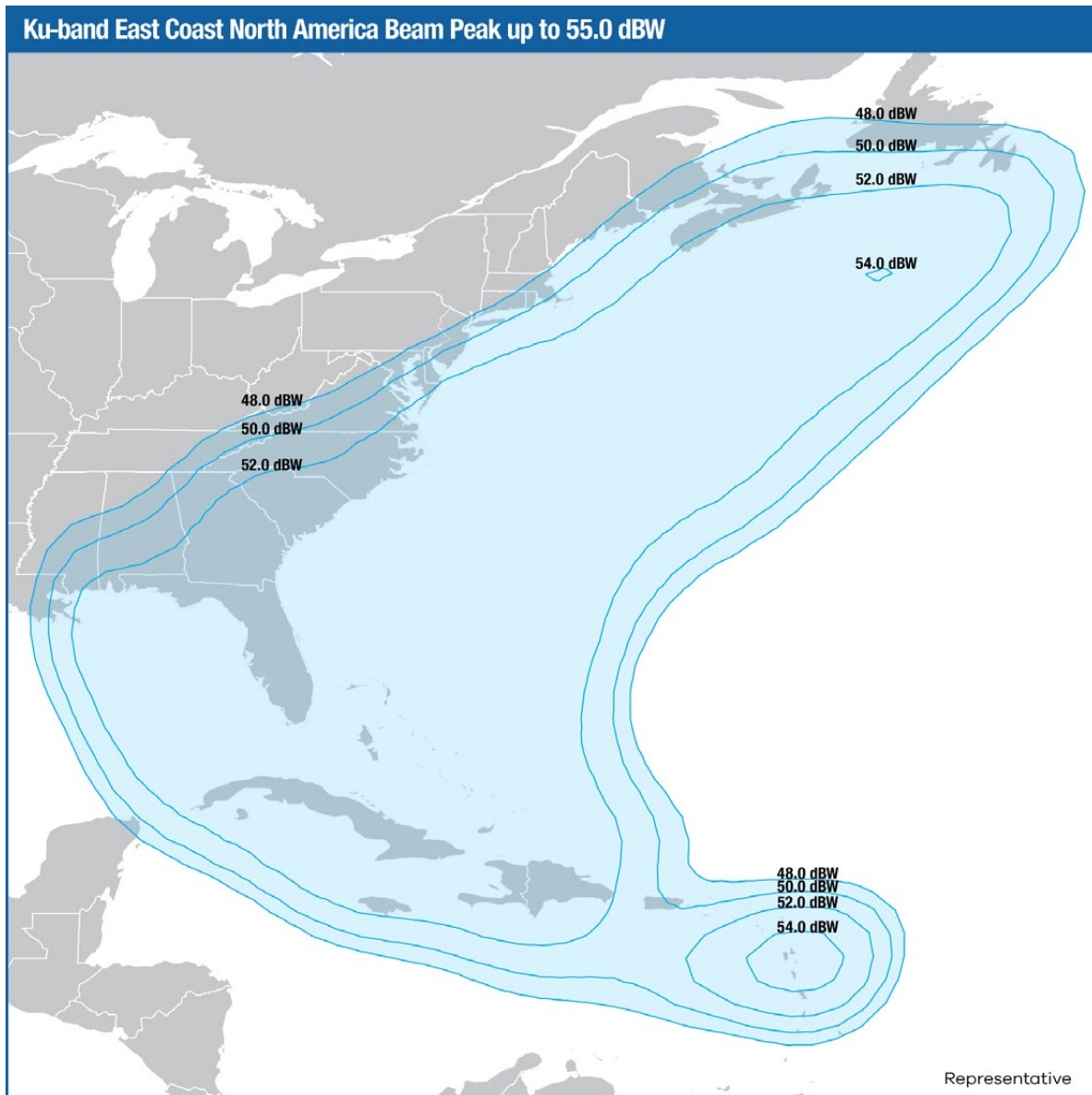
Horizons 2 at 74°W*



Ku-band Key Parameters

Configurable Capacity:	24 total on Ku-band (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	11.72 to 12.2 GHz
Typical Edge of Coverage e.i.r.p.:	> 47.4 dBW
Uplink Frequency:	14.0 to 14.5 GHz
Beam Peak G/T:	Up to 8.3 dB/K

Horizons 2 at 74°W*

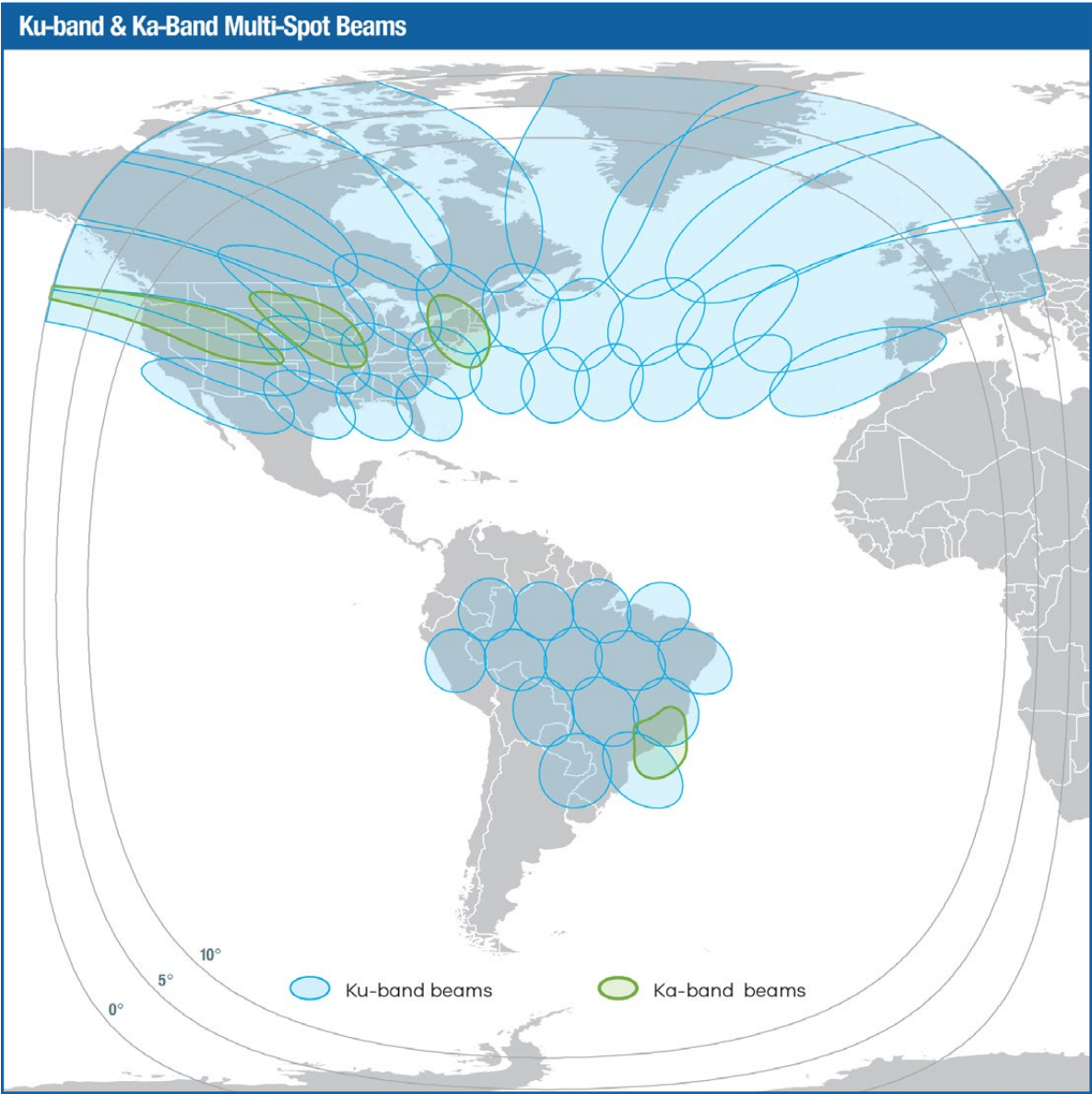


*Inclined Orbit Operation (IOO).

Ku-band Key Parameters

Configurable Capacity:	24 total on Ku-band (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	11.70 to 12.20 GHz
Typical Edge of Coverage e.i.r.p.:	> 46.4 dBW
Uplink Frequency:	14.0 to 14.5 GHz
Beam Peak G/T:	Up to 8.5 dB/K

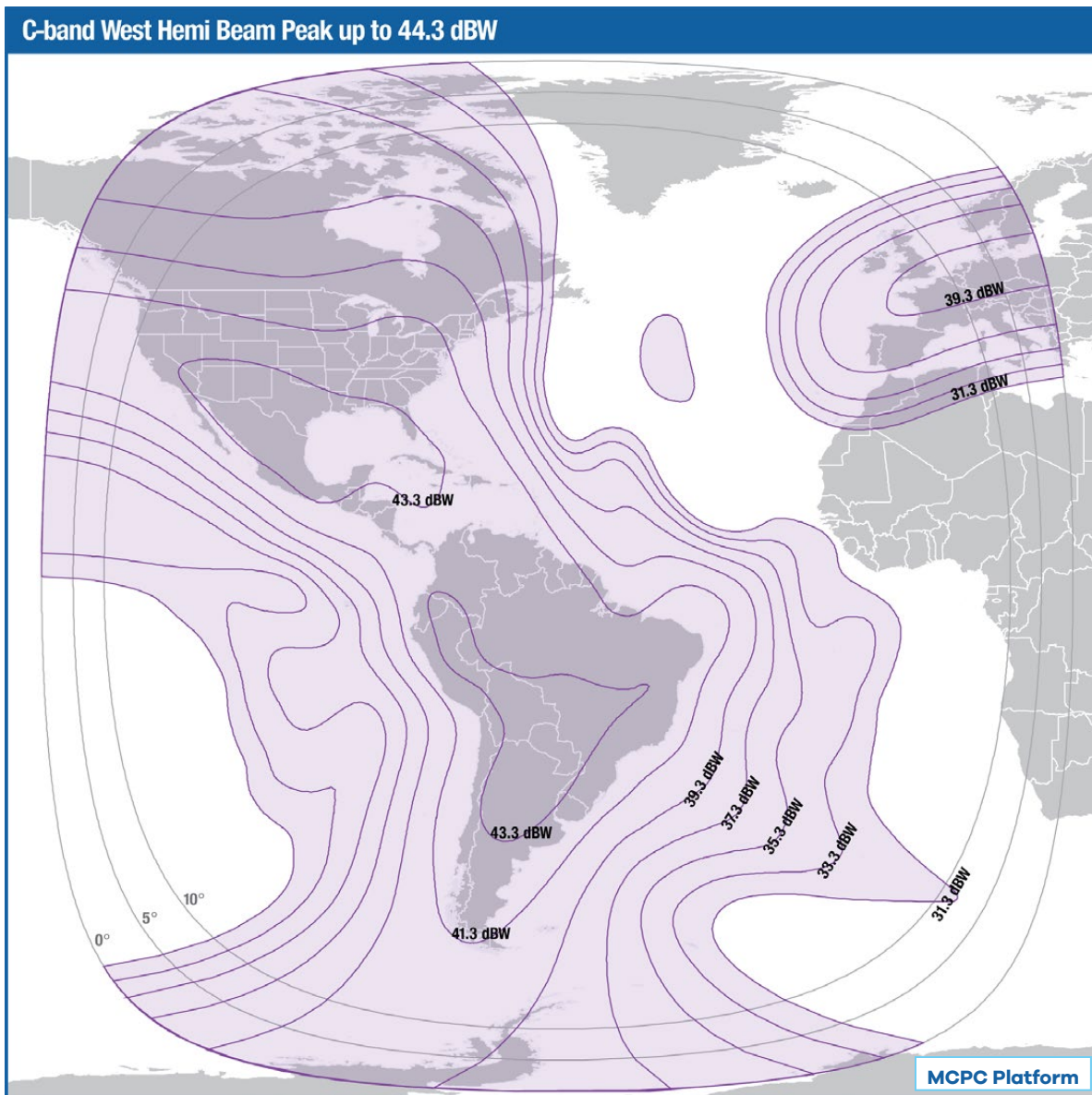
Intelsat 46e at 299°E



Ku-band Key Parameters

Configurable Capacity:	380 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal and Vertical
Typical e.i.r.p. Range:	Multi-Spot: 53.7 up to 65.3 dBW
Typical G/T Range:	Multi-Spot: 6.5 up to 17.5 dB/K

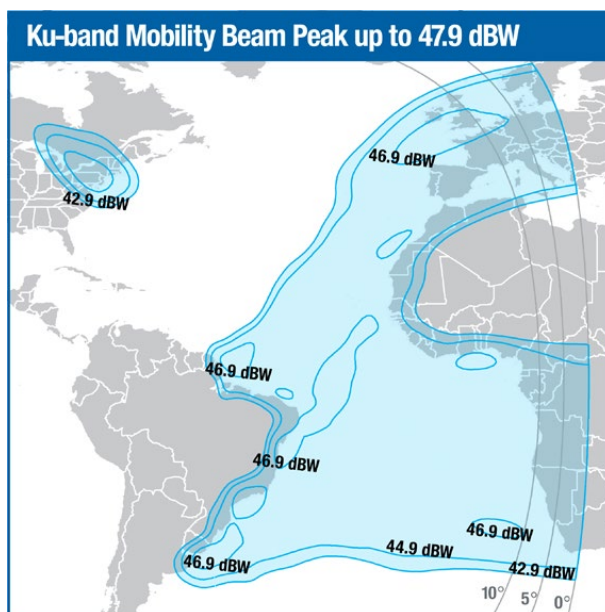
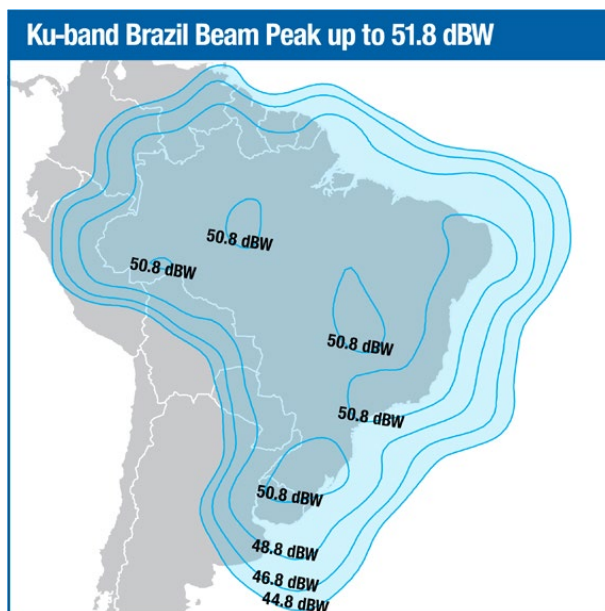
Intelsat 21 at 302°E



C-band Key Parameters

Configurable Capacity:	24 (in equivalent 36 MHz units)
Polarization	Linear – Horizontal or Vertical
Downlink Frequency:	3700 to 4200 MHz
Typical Edge of Coverage e.i.r.p.:	> 31.3 dBW
Uplink Frequency:	5925 to 6425 MHz
Beam Peak G/T:	Up to 2.5 dB/K

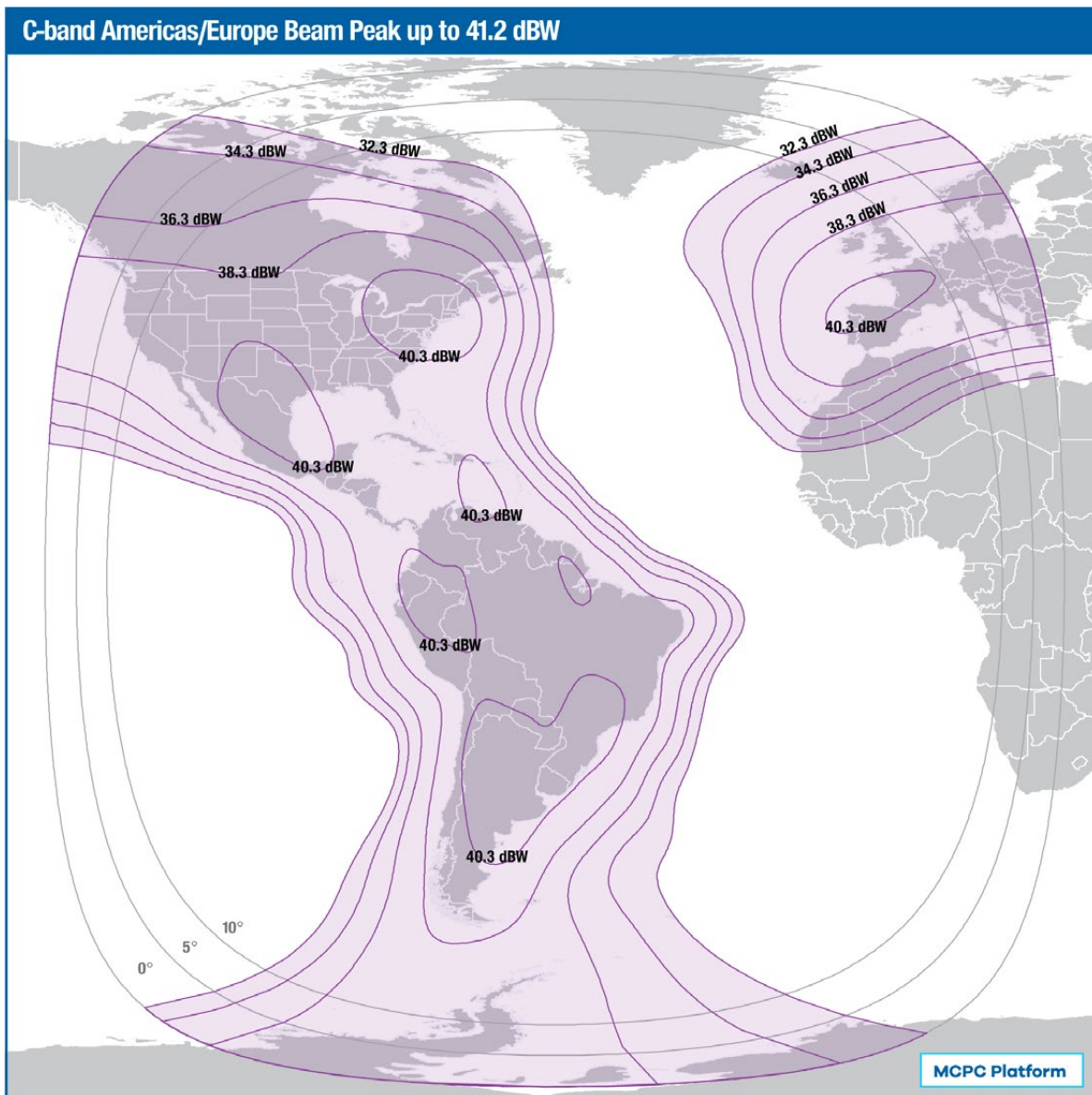
Intelsat 21 at 302°E



Ku-band Key Parameters

Configurable Capacity:	36 (in equivalent of 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	11.45 to 12.20 GHz
Typical Edge of Coverage e.i.r.p.:	Brazil: > 45.5 dBW Mobility: > 44.8 dBW
Uplink Frequency:	14.00 to 14.50 GHz
Beam Peak G/T:	Brazil: Up to 6.1 dB/K Mobility: Up to 3.5 dB/K

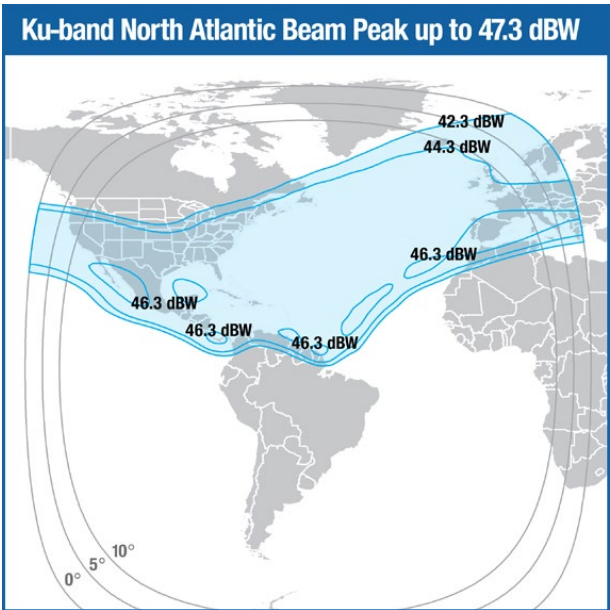
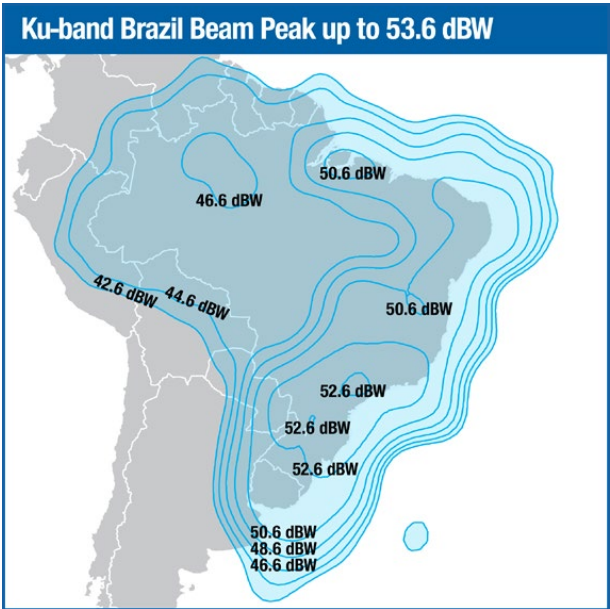
Intelsat 34 at 304.5°E



C-band Key Parameters

Configurable Capacity:	24 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	3700 to 4200 MHz
Typical Edge of Coverage e.i.r.p.:	> 34.8 dBW
Uplink Frequency:	5925 to 6425 MHz
Beam Peak G/T:	Up to 0.6 dB/K

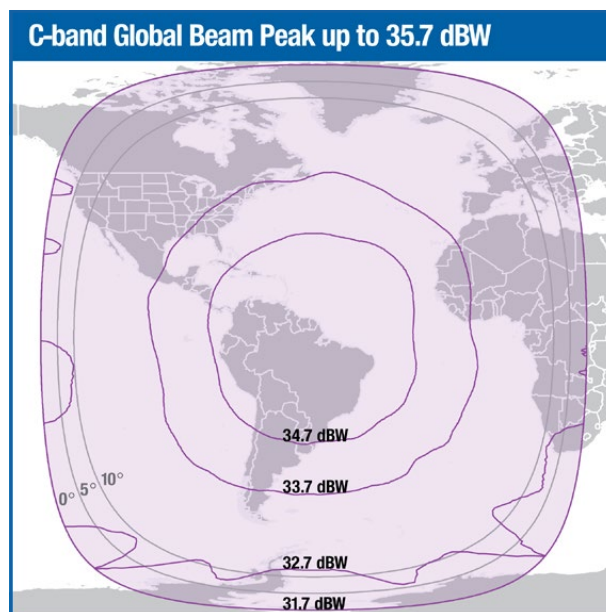
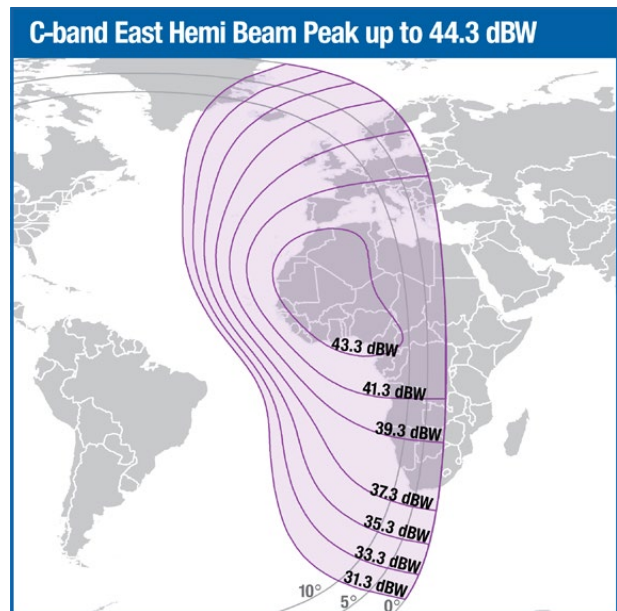
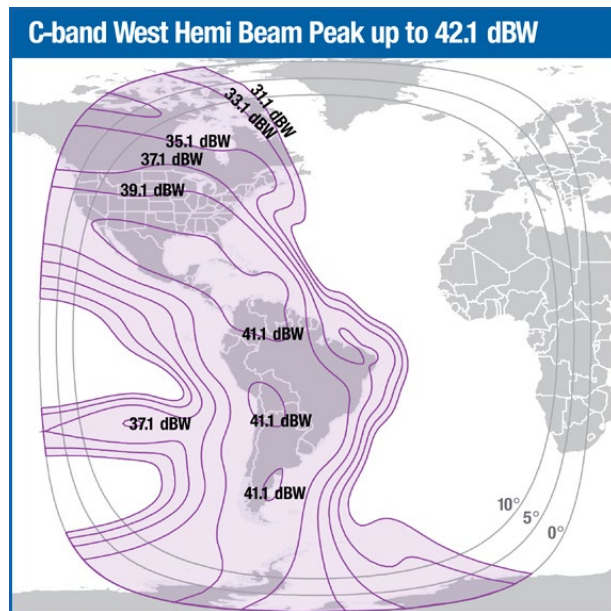
Intelsat 34 at 304.5°E



Ku-band Key Parameters

Configurable Capacity:	24 (in equivalent 36 MHz units)
Polarization	Linear – Horizontal or Vertical
Downlink Frequency:	11.45 to 12.20 GHz
Typical Edge of Coverage e.i.r.p.:	Brazil: > 44.7 dBW N. Atlantic: > 43.4 dBW
Uplink Frequency:	14.00 to 14.50 GHz
Beam Peak G/T:	Brazil: Up to 8.2 dB/K N. Atlantic: Up to 0.9 dB/K

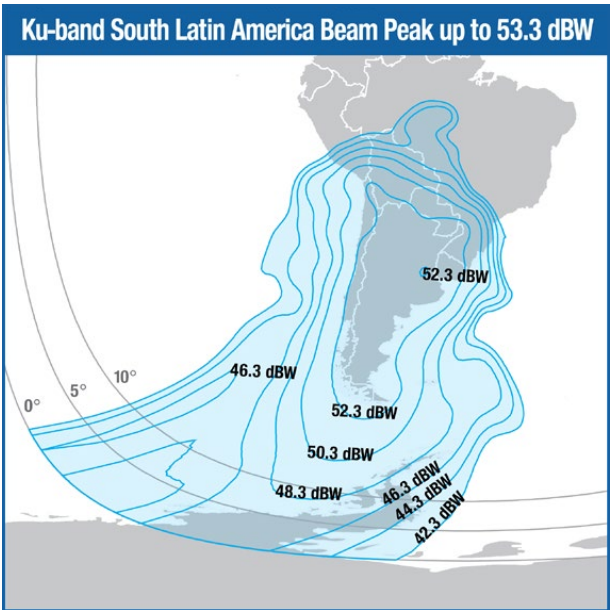
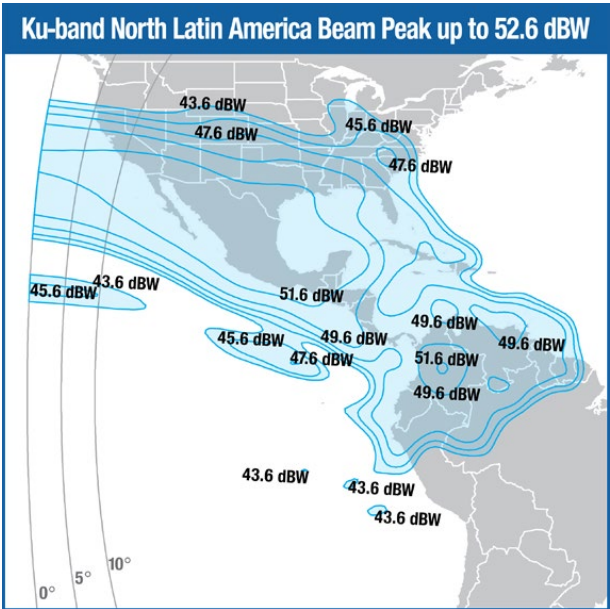
Intelsat 23 at 307°E



C-band Key Parameters

Configurable Capacity:	46 (in equivalent 36 MHz units)
Polarization:	Circular – Right Hand or Left Hand
Downlink Frequency:	3700 to 4200 MHz
Typical Edge of Coverage e.i.r.p.:	Hemi Beams: > 33.2 dBW Global Beams: > 31.7 dBW
Uplink Frequency:	5925 to 6425 MHz
Beam Peak G/T:	Hemi Beams: Up to 2.1 dB/K Global Beams: Up to -5.1 dB/K

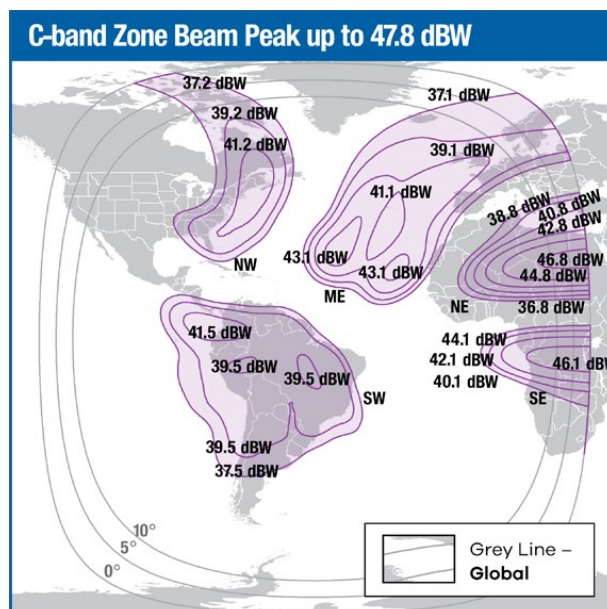
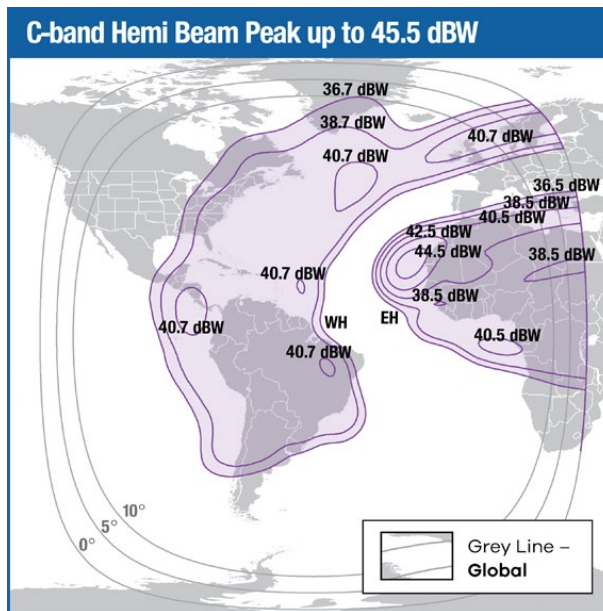
Intelsat 23 at 307°E



Ku-band Key Parameters

Configurable Capacity:	34 (in equivalent 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: > 45.0 dBW S. Latin America: > 49.5 dBW
Uplink Frequency:	14.00 to 14.50 GHz
Beam Peak G/T:	N. Latin America: Up to 6.6 dB/K S. Latin America: Up to 7.9 dB/K

Intelsat 902 at 310°E*

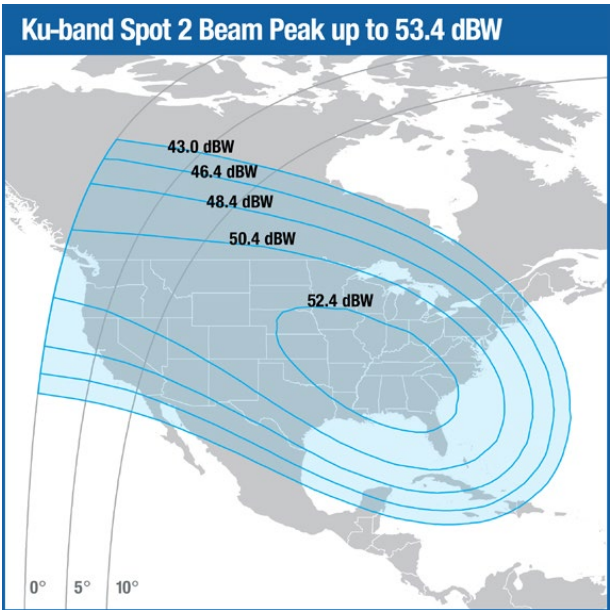
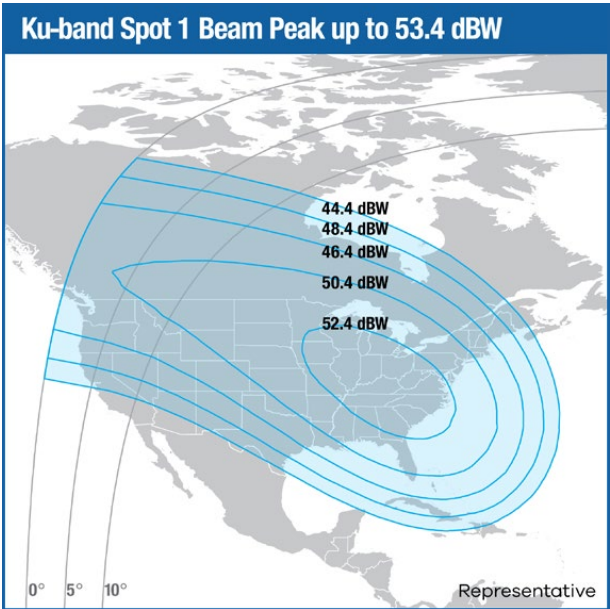


C-band Key Parameters

Configurable Capacity:	29 [†] /76 (in equivalent 36 MHz units)
Polarization:	Circular – Right Hand or Left Hand
Downlink Frequency:	3625 to 4200 MHz
Typical Edge of Coverage e.i.r.p.:	Global Beams: > 31.0 dBW Hemi/Zone Beams: > 35.1 dBW
Uplink Frequency:	5850 to 6425 MHz
Beam Peak G/T:	Global Beams: Up to -6.1 dB/K Hemi/Zone Beams: Up to 4.6 dB/K

[†] Power restricted

Intelsat 902 at 310°E*



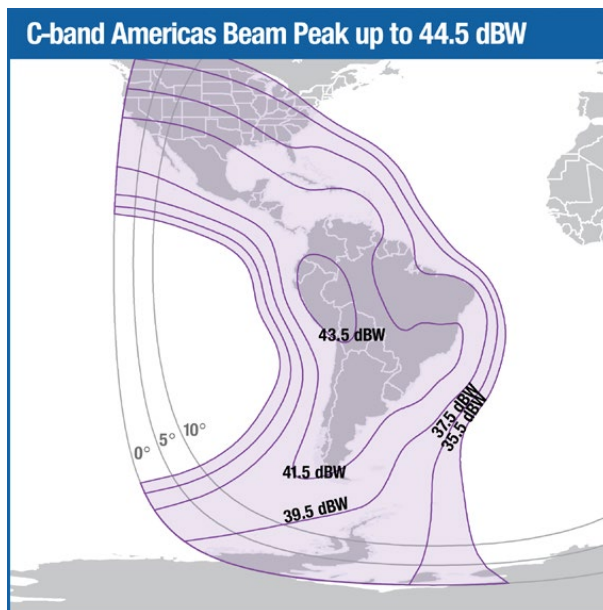
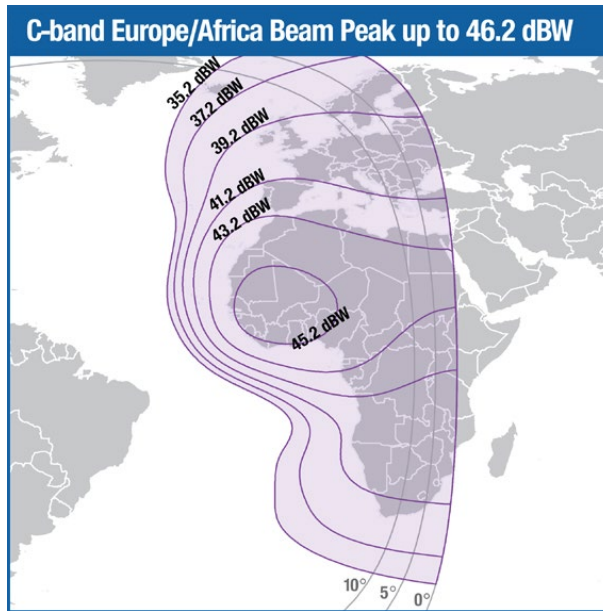
**Inclined Orbit Operation (IOO).*

Ku-band Key Parameters

Configurable Capacity:	22*/24 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	10.95 to 11.70 GHz
Typical Edge of Coverage e.i.r.p.:	> 47.0 dBW
Uplink Frequency:	14.00 to 14.50 GHz
Beam Peak G/T:	Spot 1: Up to 9.0 dB/K Spot 2: Up to 8.8 dB/K

** Power restricted*

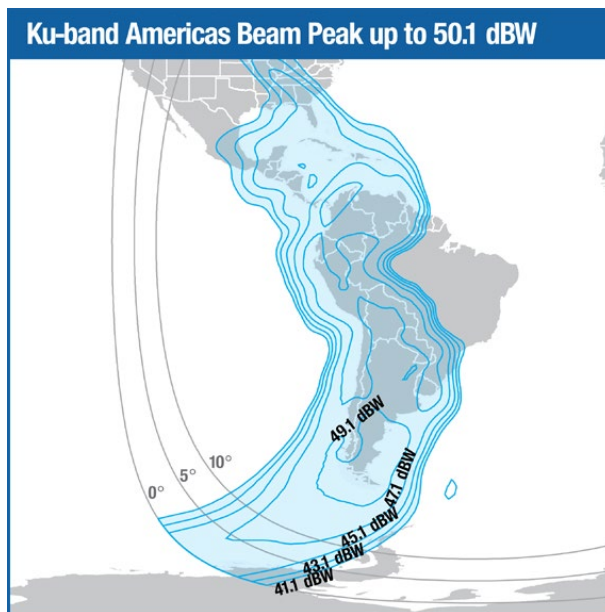
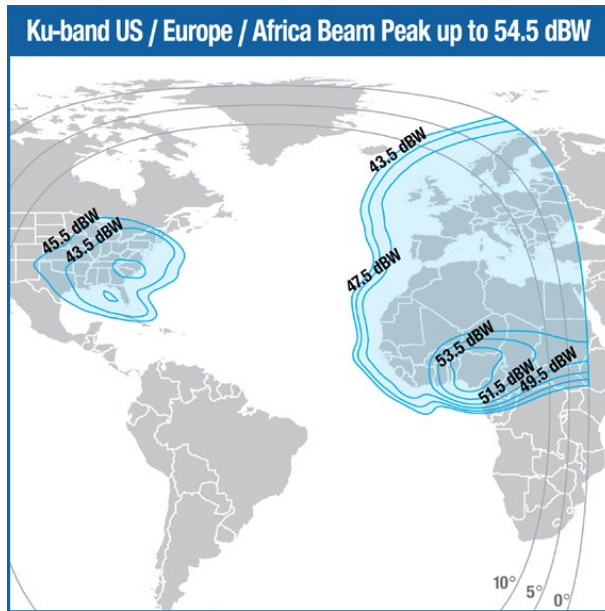
Intelsat 14 at 315°E



C-band Key Parameters

Configurable Capacity:	48 (in equivalent 36 MHz units)
Polarization	Linear – Horizontal or Vertical Circular – Right or Left Hand
Downlink Frequency:	3700 to 4200 MHz
Typical Edge of Coverage e.i.r.p.:	Europe/Africa: > 36.3 dBW Americas: > 36.4 dBW
Uplink Frequency:	5925 to 6425 MHz
Beam Peak G/T:	Europe/Africa: Up to 5.9 dB/K Americas: Up to 2.5 dB/K

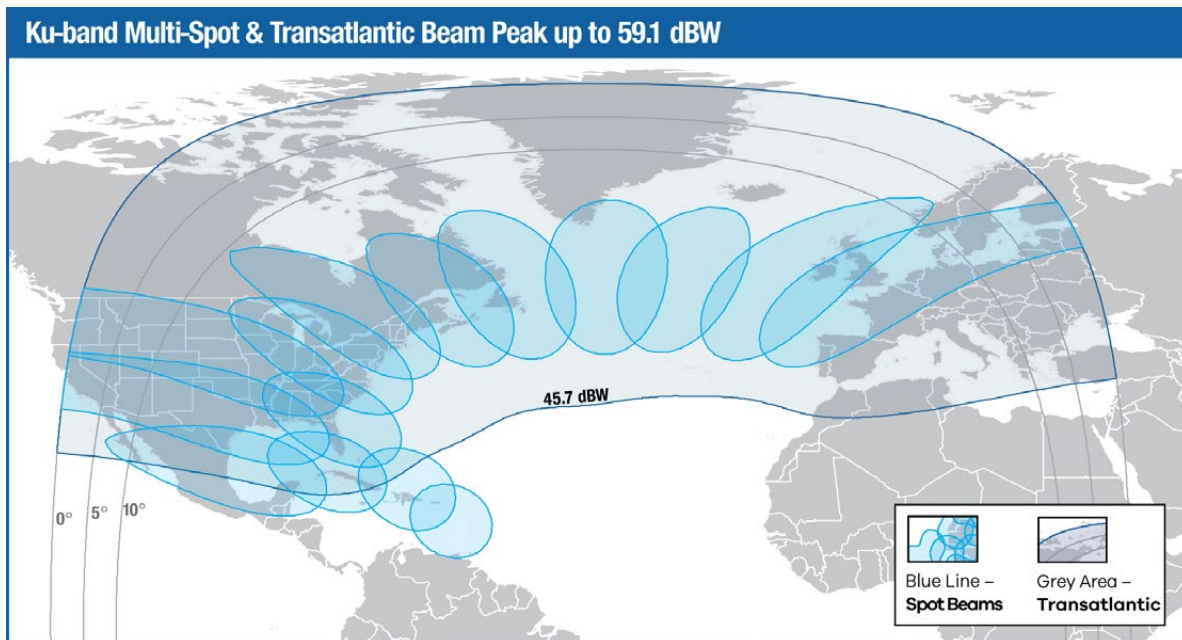
Intelsat 14 at 315°E



Ku-band Key Parameters

Configurable Capacity:	24 (in equivalent 36 MHz units)
Polarization	Linear – Horizontal or Vertical
Downlink Frequency:	11.45 to 11.95 GHz
Typical Edge of Coverage e.i.r.p.:	Europe/Africa: > 46.0 dB/K Americas: > 43.7 dB/K
Uplink Frequency:	14.00 to 14.50 GHz
Beam Peak G/T:	Europe/Africa: Up to 9.5 dB/K Americas: Up to 4.9 dB/K

Intelsat 32e at 317°E

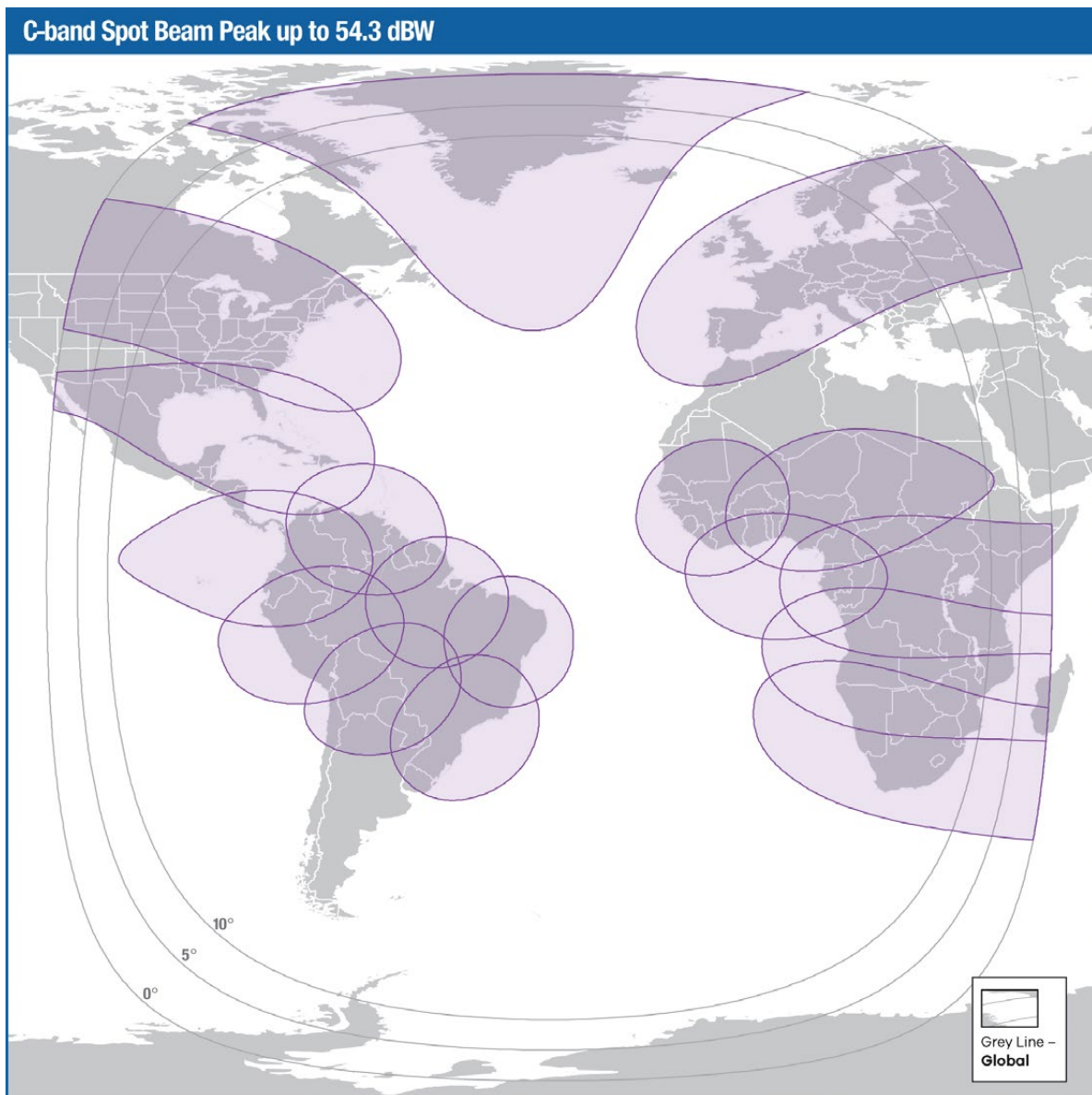


All beams connect only to a single gateway beam

Ku-band Spots & Transatlantic Beam Key Parameters

Configurable Capacity:	56 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Typical Coverage e.i.r.p. Range:	Multi-Spot: 44.9 up to 59.1 dBW Transatlantic: 45.7 up to 49.0 dBW
Typical G/T Range:	Multi-Spot: 6.5 up to 16.9 dB/K Transatlantic: -1.3 up to 3.8 dB/K

Intelsat 35e at 325.5°E

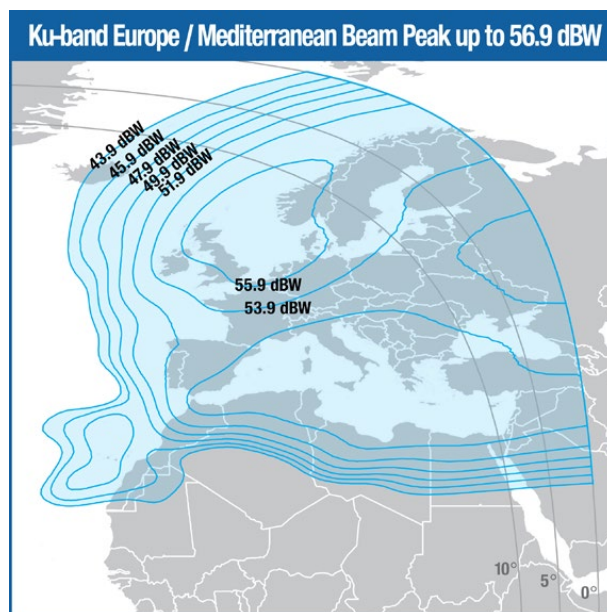
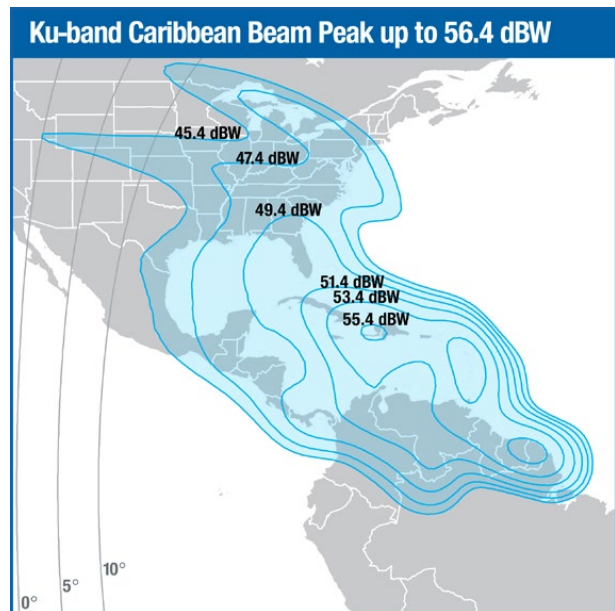
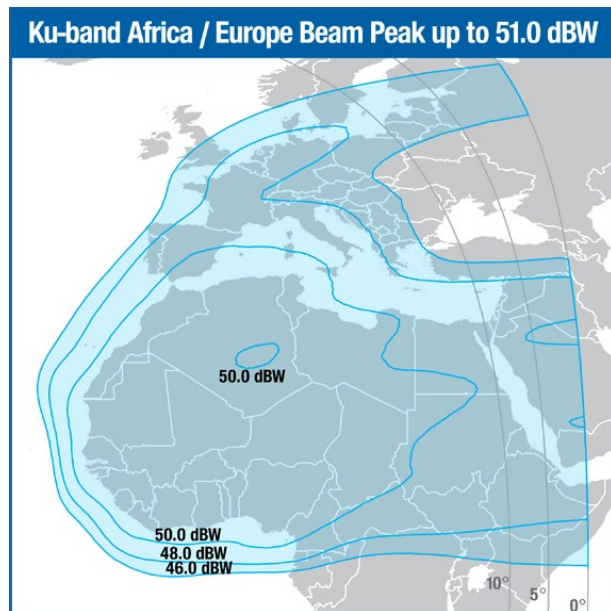


Beams connect only to the one of 3 Ka gateway beams

C-band Key Parameters

Configurable Capacity:	112 (in equivalent 36 MHz units)
Polarization:	Circular - Right or Left Hand
Typical Coverage e.i.r.p. Range:	Multi-Spot: 42.6 up to 54.3 dBW
	Global: 37.1 up to 37.4 dBW
Typical G/T Range:	Multi-Spot: 3.6 up to 15.5 dB/K
	Global: -8.0 up to -4.5 dB/K

Intelsat 35e at 325.5°E

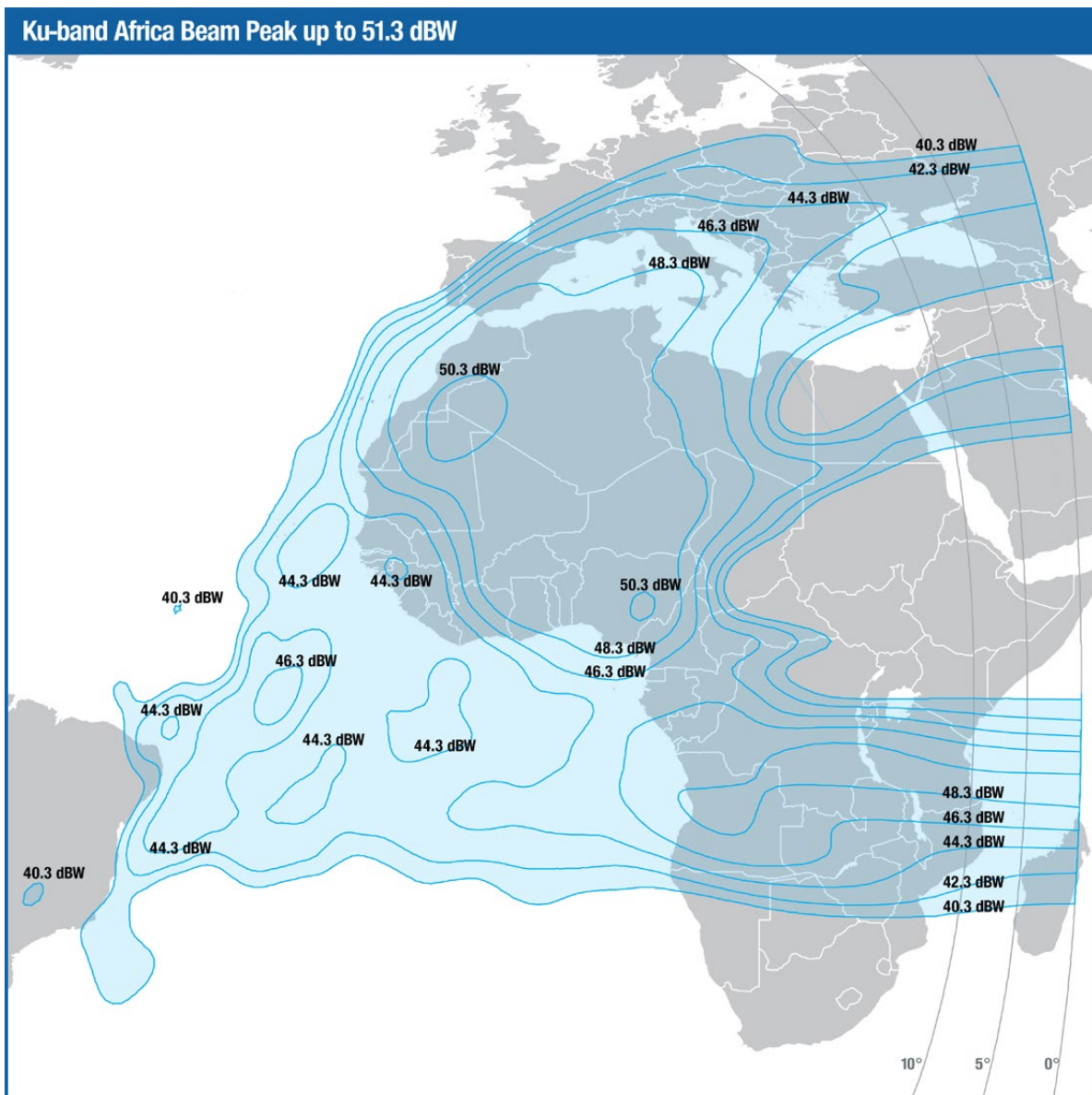


Beams connect only to the one of 3 Ka gateway beams

Ku-band Key Parameters

Configurable Capacity:	39 (in equivalent 36 MHz units)
Polarization:	Linear - Horizontal or Vertical
Downlink Frequency:	10.95 to 11.20 GHz and 11.45 to 11.70 GHz
Typical Edge of Coverage e.i.r.p.:	Caribbean: > 47.4 dBW Europe/Mediterranean: > 45.4 dBW Africa/Europe: > 47.1 dBW
Uplink Frequency:	13.75 to 14.50 GHz
Beam Peak G/T:	Caribbean: Up to 10.6 dB/K Europe/Mediterranean: Up to 11.3 dB/K Africa/Europe: Up to 5.1 dB/K

Intelsat 28 at 328E*

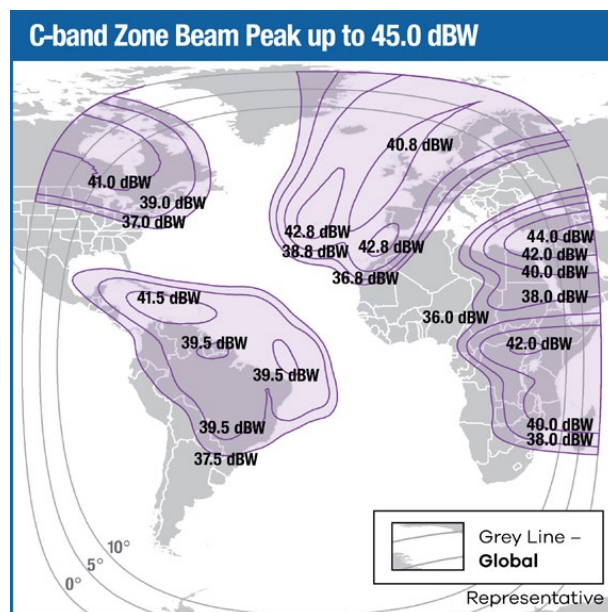
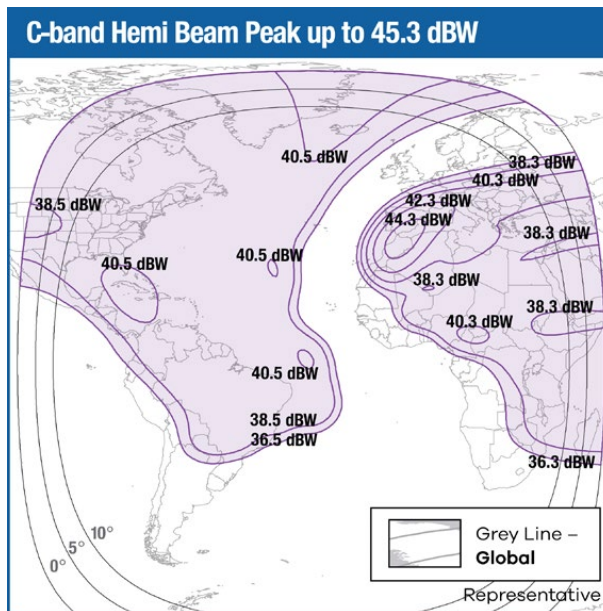


*Inclined Orbit Operation (IOO).

Ku-band Key Parameters

Configurable Capacity:	24 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	10.95 to 11.70 GHz
Typical Edge of Coverage e.i.r.p.:	> 42.8 dBW
Uplink Frequency:	14.00 to 14.50 GHz
Beam Peak G/T:	Up to 5.6 dB/K

Intelsat 904 at 328.5°E*



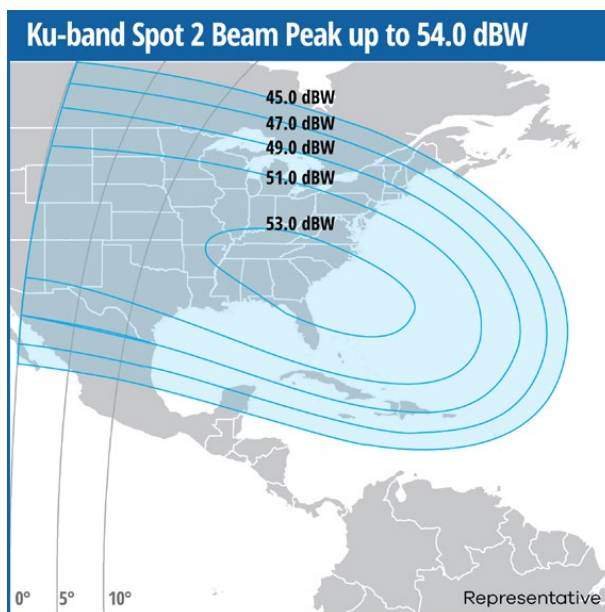
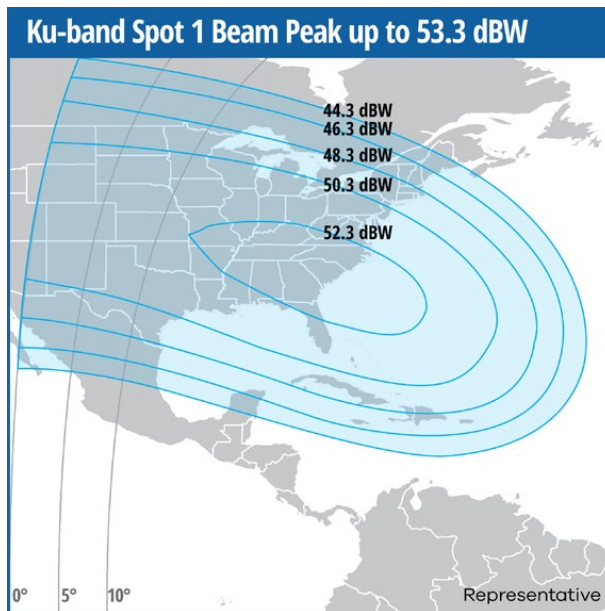
*Inclined Orbit Operation (IOO).

C-band Key Parameters

Configurable Capacity:	32 [†] /76 (in equivalent 36 MHz units)
Polarization:	Circular – Right Hand or Left Hand
Downlink Frequency:	3625 to 4200 MHz
Typical Edge of Coverage e.i.r.p.:	Global Beams: > 31.0 dBW Hemi/Zone Beams: > 35.1 dBW
Uplink Frequency:	5850 to 6425 MHz
Beam Peak G/T:	Global Beams: Up to -5.6 dB/K Hemi/Zone Beams: Up to 5.4 dB/K

[†] Power restricted

Intelsat 904 at 328.5°E*

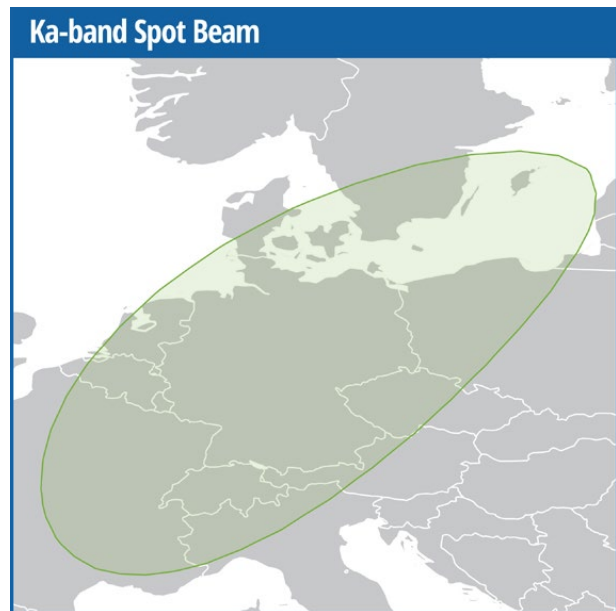
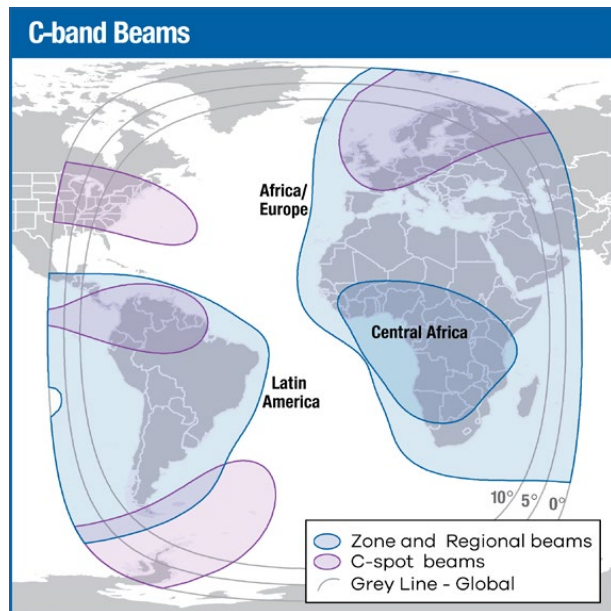


**Inclined Orbit Operation (IOO).*

Ku-band Key Parameters

Configurable Capacity:	24 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	10.95 to 11.70 GHz
Typical Edge of Coverage e.i.r.p.:	> 47.0 dBW
Uplink Frequency:	14.00 to 14.50 GHz
Beam Peak G/T:	Spot 1: Up to 9.0 dB/K Spot 2: Up to 8.8 dB/K

Intelsat 37e at 342°E



Beams connect only to the one of 3 Ka gateway beams

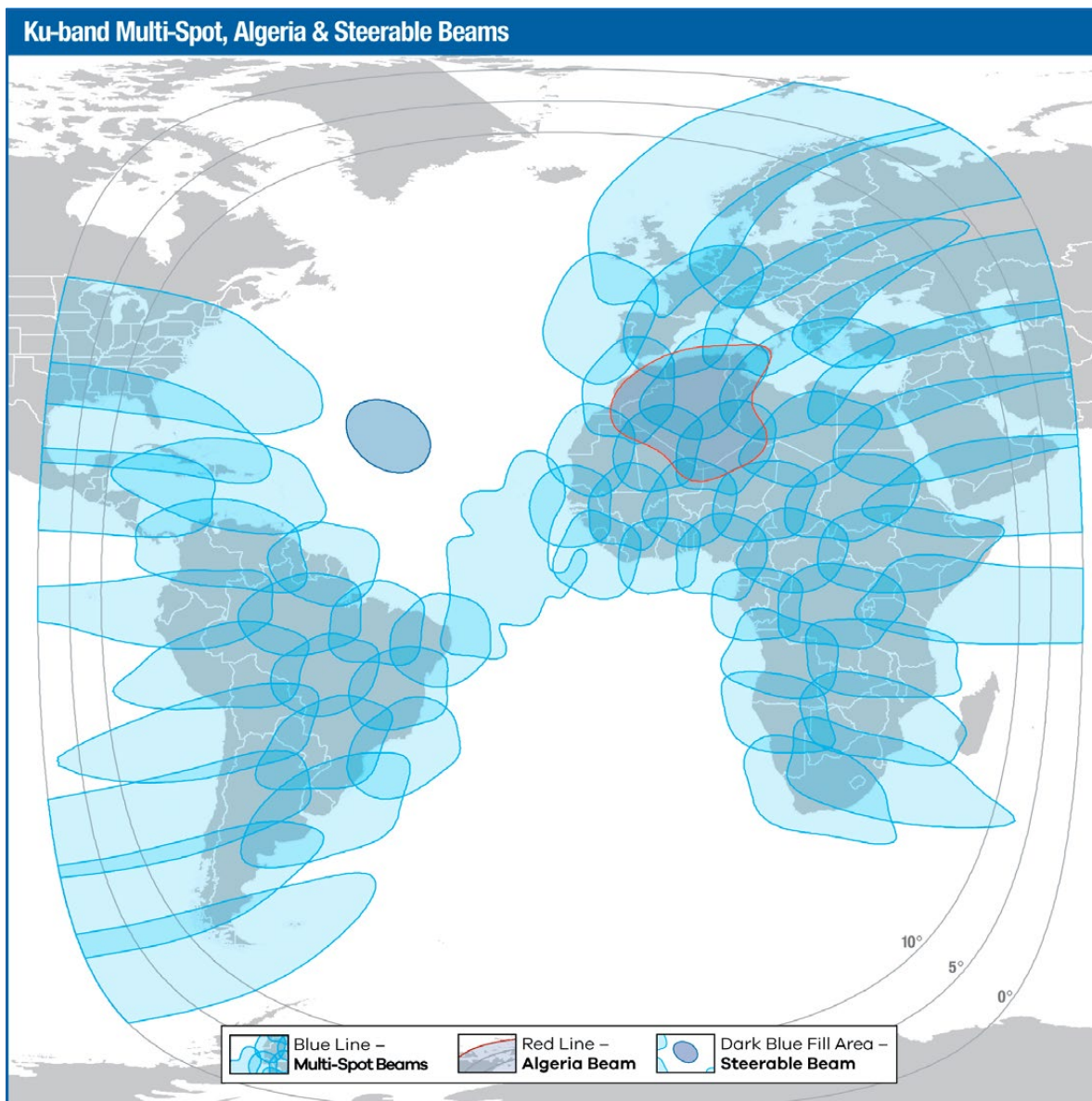
C-band Key Parameters

Configurable Capacity:	79 (in equivalent 36 MHz units)
Polarization:	Circular - Right or Left Hand
Typical Coverage	Spots: 46.4 up to 52.2 dBW
e.i.r.p. Range:	Global: 34.6 up to 38.1 dBW
	Latin America: 41.8 up to 46.3 dBW
	Africa/Europe: 38.1 up to 43.3 dBW
	Central Africa: 42.8 up to 47.6 dBW
Typical G/T Range:	Multi-Spot: 3.1 up to 13.4 dB/K
	Global: -7.3 up to -4.3 dB/K
	Latin America: -0.7 up to +2.1 dB/K
	Africa/Europe: -4.4 up to +0.2 dB/K
	Central Africa: -0.3 up to +4.0 dB/K

Ka-band Key Parameters

Configurable Capacity:	37 (in equivalent 36 MHz units)
	Coverage is illustrative (steerable).
Polarization:	Circular - Right or Left Hand
Typical Edge of Coverage e.i.r.p.:	57.1 up to 58.7 dBW
Beam Peak G/T:	8.7 up to 12.8 dB/K

Intelsat 37e at 342°E

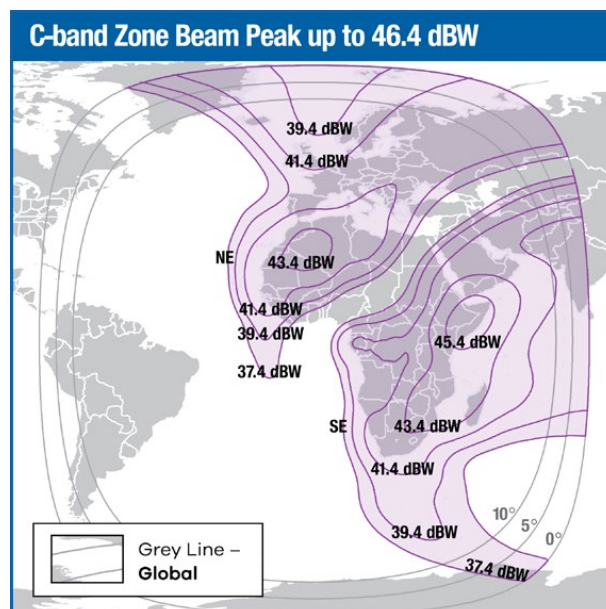
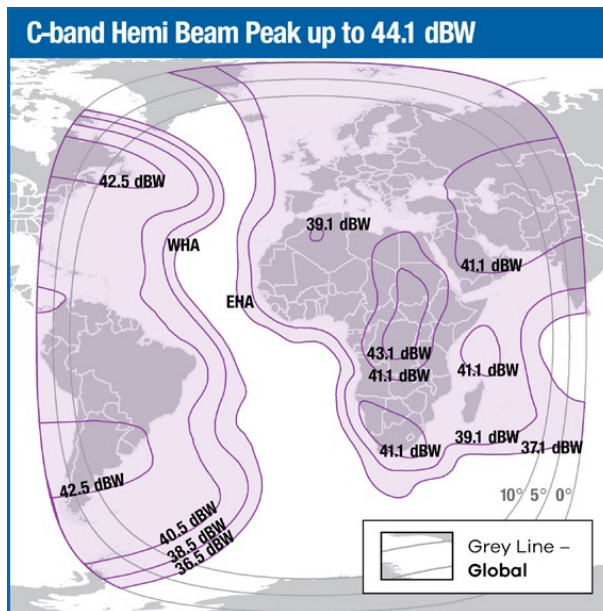


Beams connect only to the one of 3 Ka gateway beams

Ku-band Multi-Spot, Algeria & Steerable Beams Key Parameters

Configurable Capacity:	247 (in equivalent 36 MHz units)
Polarization:	Linear - Horizontal or Vertical
Typical Edge of Coverage e.i.r.p.:	Multi-Spot: 48.2 up to 61.8 dBW Algeria: 54.2 up to 59.7 dBW
Beam Peak G/T:	Multi-Spot: 4.8 up to 17.8dB/K Algeria: 5.2 up to 2.8 dB/K

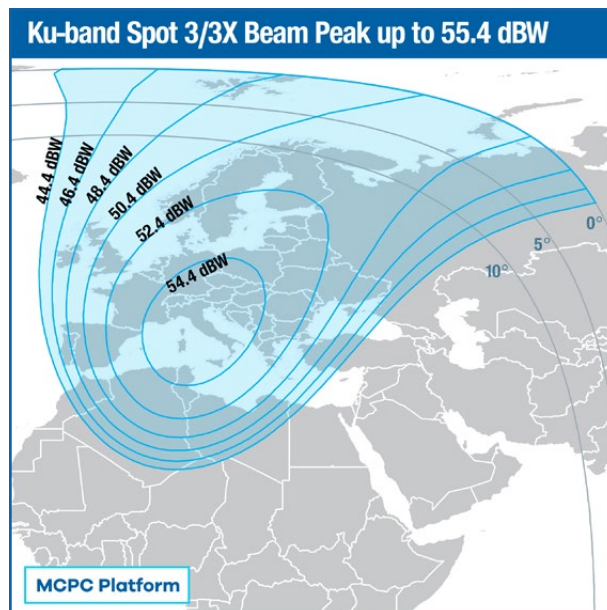
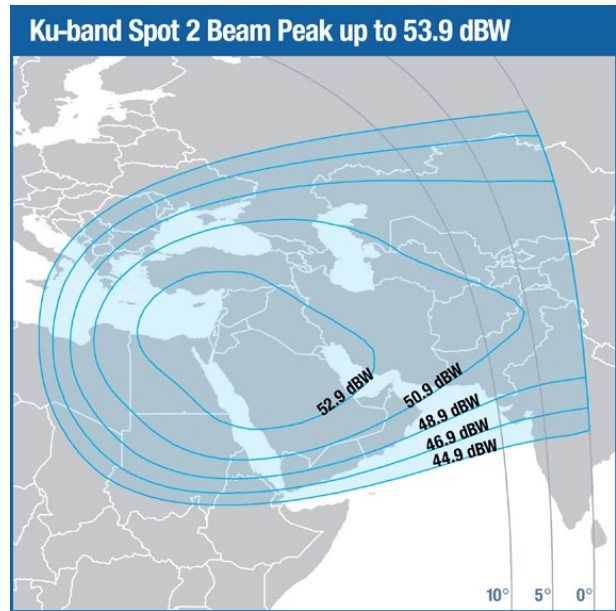
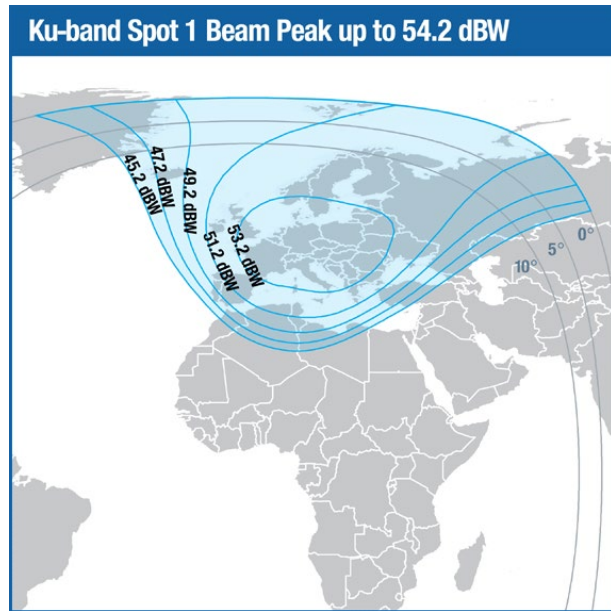
Intelsat 10-02 at 359°E



C-band Key Parameters

Configurable Capacity:	70 (in equivalent 36 MHz units)
Polarization:	Circular – Right Hand or Left Hand
Downlink Frequency:	3625 to 4200 MHz
Typical Edge of Coverage e.i.r.p.:	Global Beams: > 32.0 dBW Hemi/Zone Beams: > 37.0 dBW
Uplink Frequency:	5850 to 6425 MHz
Beam Peak G/T:	Global Beams: Up to -7.7 dB/K Hemi/Zone Beams: Up to 3.0 dB/K

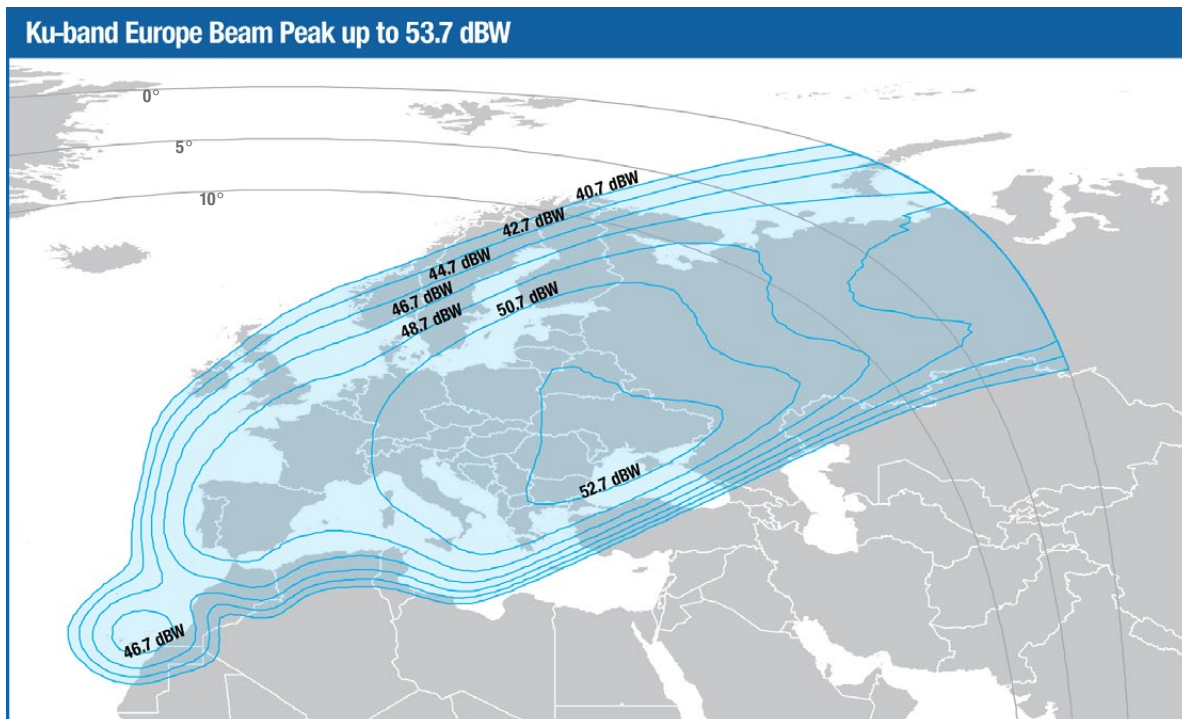
Intelsat 10-02 at 359°E



Ku-band Key Parameters

Configurable Capacity:	36 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	10.95 to 12.75 GHz
Typical Edge of Coverage e.i.r.p.:	Spot 1: > 47.7 dBW Spot 2: > 47.7 dBW Spot 3/3X: > 46.7 dBW
Uplink Frequency:	13.75 to 14.50 GHz
Beam Peak G/T:	Spot 1: Up to 6.8 dB/K Spot 2: Up to 6.6 dB/K Spot 3/3X: Up to 5.9 dB/K

Intelsat 1W at 1°W

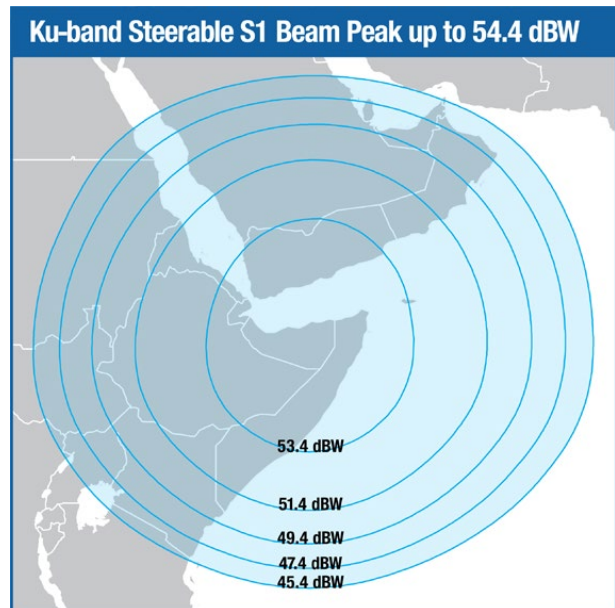
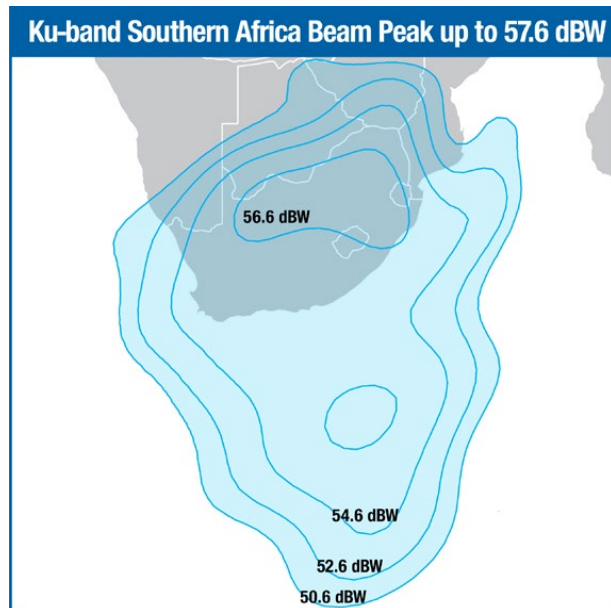
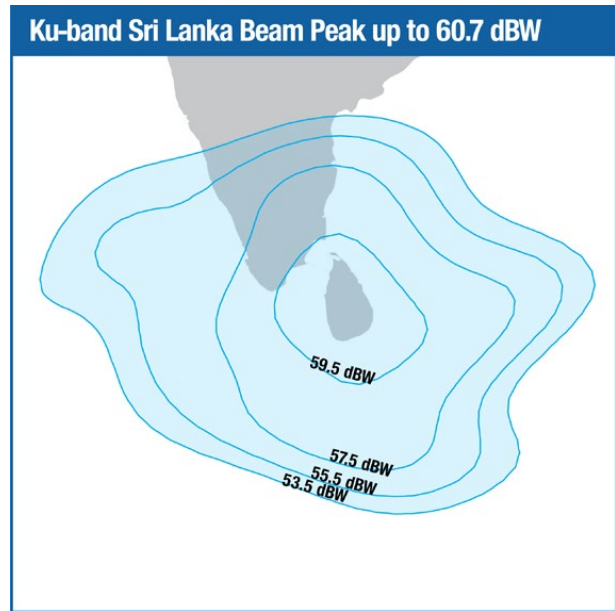
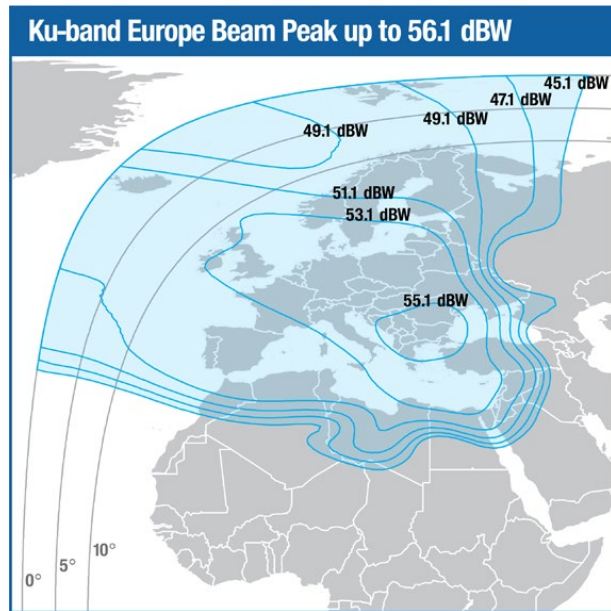


Ku-band Key Parameters

Configurable Capacity:	9 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	11.70 to 12.50 GHz
Typical Edge of Coverage e.i.r.p.:	> 38.0 dBW
Uplink Frequency:	17.30 to 18.10 GHz
Beam Peak G/T:	Up to 9.2 dB/K

Indian Ocean Region

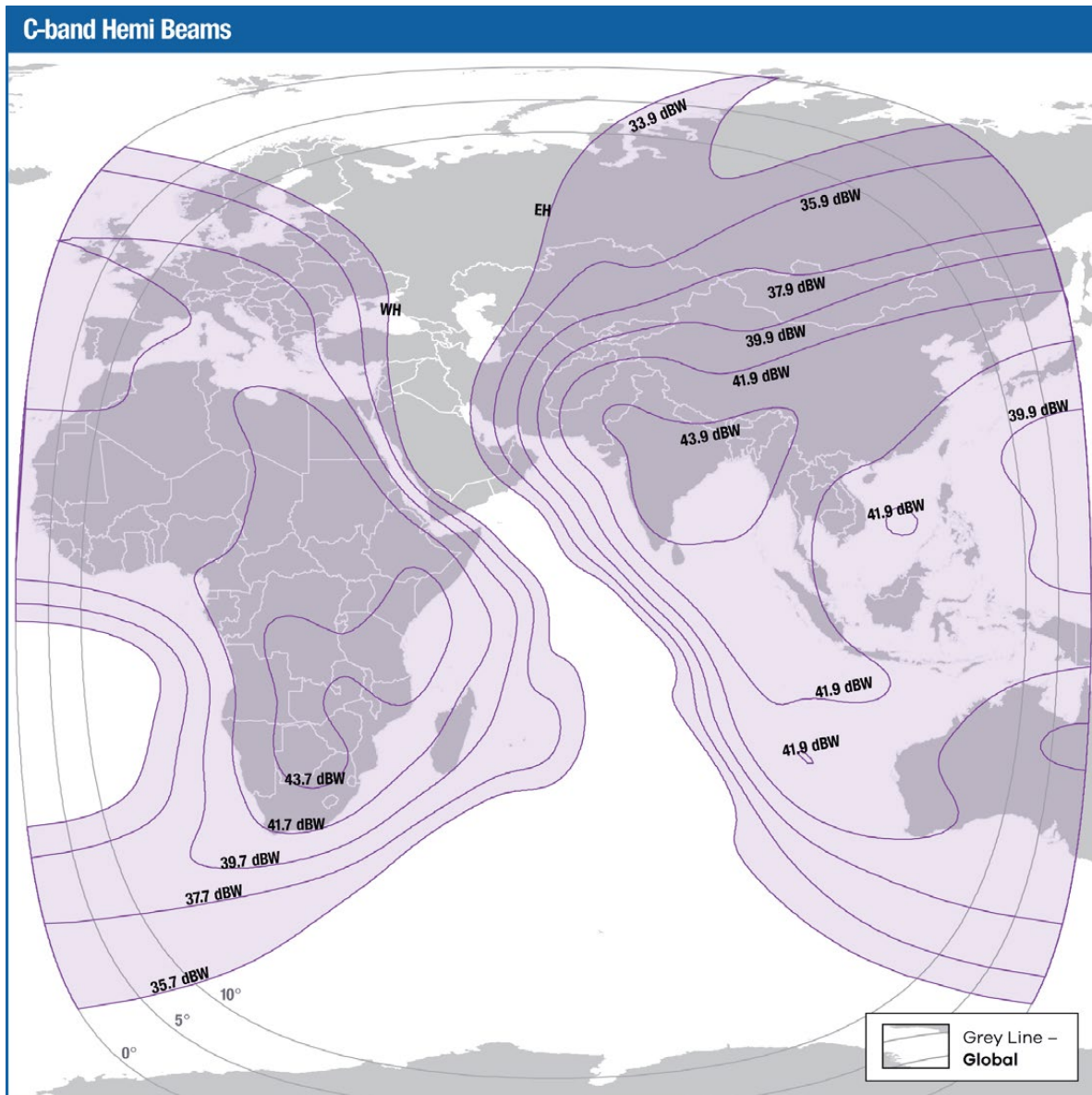
Intelsat 38 at 45°E



Ku-band Key Parameters

Configurable Capacity:	22 (in equivalent 36 MHz units)								
Polarization:	Linear – Horizontal or Vertical								
Downlink Frequency:	11.45 to 12.20 GHz and 12.50 to 12.75 GHz								
Typical Edge of Coverage e.i.r.p.:	<table> <tr> <td>Europe:</td><td>> 47.8 dBW</td></tr> <tr> <td>Sri Lanka:</td><td>> 55.1 dBW</td></tr> <tr> <td>Southern Africa:</td><td>> 51.0 dBW</td></tr> <tr> <td>Steerable spot:</td><td>> 47.4 dBW</td></tr> </table>	Europe:	> 47.8 dBW	Sri Lanka:	> 55.1 dBW	Southern Africa:	> 51.0 dBW	Steerable spot:	> 47.4 dBW
Europe:	> 47.8 dBW								
Sri Lanka:	> 55.1 dBW								
Southern Africa:	> 51.0 dBW								
Steerable spot:	> 47.4 dBW								
Uplink Frequency:	14.00 to 14.75 GHz								
Beam Peak G/T:	<table> <tr> <td>Europe:</td><td>Up to 9.4 dB/K</td></tr> <tr> <td>Sri Lanka:</td><td>Up to 14.0 dB/K</td></tr> <tr> <td>Southern Africa:</td><td>Up to 11.7 dB/K</td></tr> <tr> <td>Steerable spot:</td><td>Up to 8.9 dB/K</td></tr> </table>	Europe:	Up to 9.4 dB/K	Sri Lanka:	Up to 14.0 dB/K	Southern Africa:	Up to 11.7 dB/K	Steerable spot:	Up to 8.9 dB/K
Europe:	Up to 9.4 dB/K								
Sri Lanka:	Up to 14.0 dB/K								
Southern Africa:	Up to 11.7 dB/K								
Steerable spot:	Up to 8.9 dB/K								

Intelsat 39 at 62°E

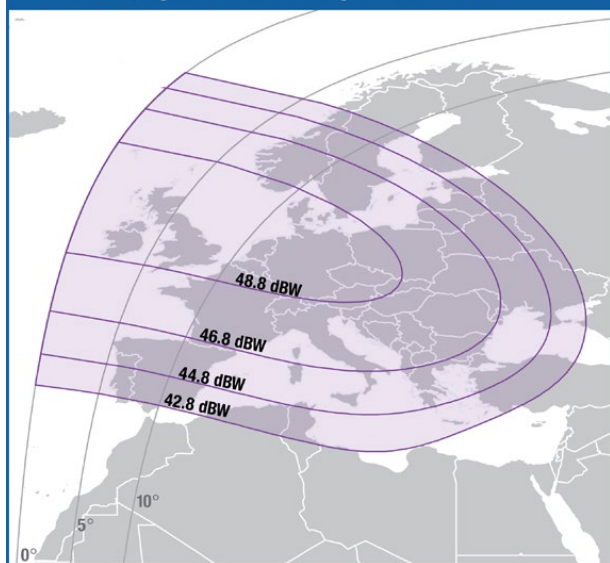


C-band Key Parameters

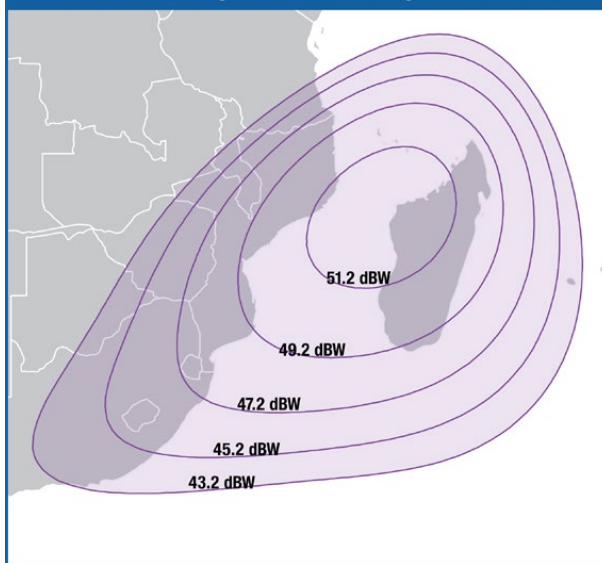
Configurable Capacity:	56 (in equivalent 36 MHz units)
Polarization:	Circular – Right or Left Hand *Linear – Horizontal or Vertical
Downlink Frequency:	3625 to 4200 MHz
Typical Edge of Coverage e.i.r.p.:	Hemi Beams: > 35.3 dBW Global: > 34.4 dBW
Uplink Frequency:	5850 to 6425 MHz
Beam Peak G/T:	Hemi Beams (Circular): Up to 5.1 dB/K *Hemi Beams (Linear): Up to 6.2 dB/K Global: Up to -3.5 dB/K
	* Applies to East Hemi Only

Intelsat 39 at 62°E

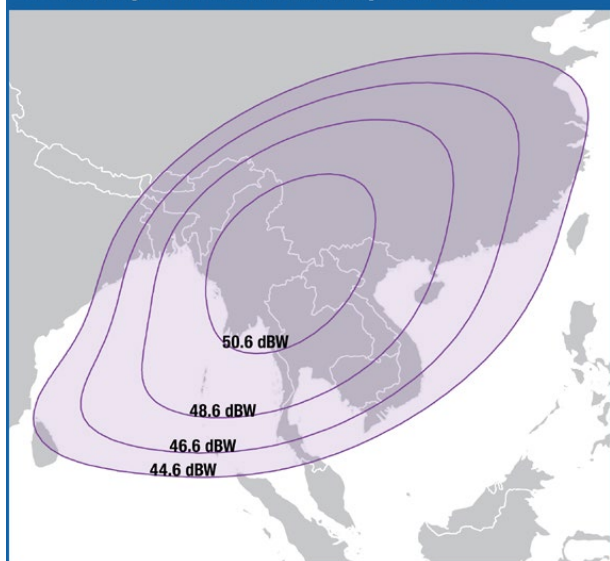
C-band Europe Beam Peak up to 49.8 dBW



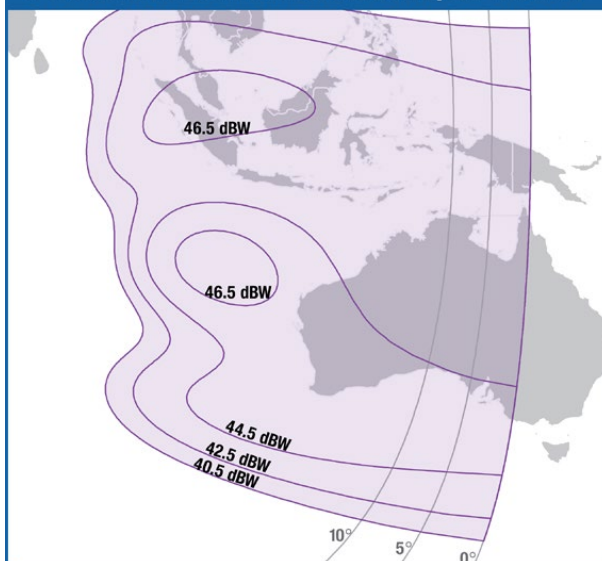
C-band Mozambique Beam Peak up to 52.2 dBW



C-band Myanmar Beam Peak up to 51.6 dBW



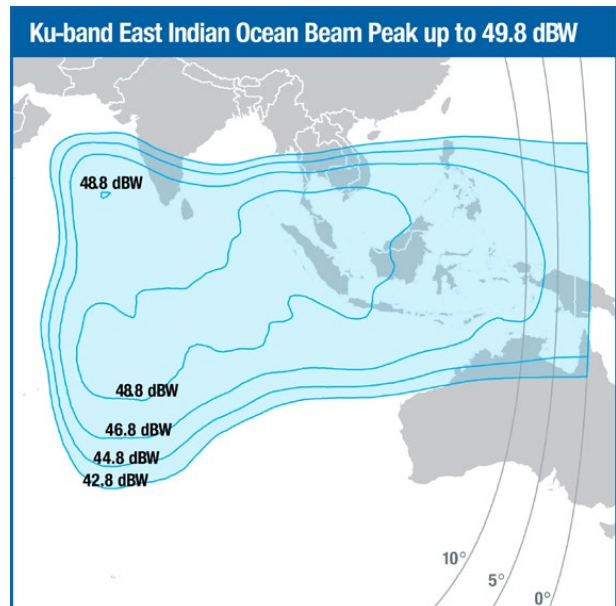
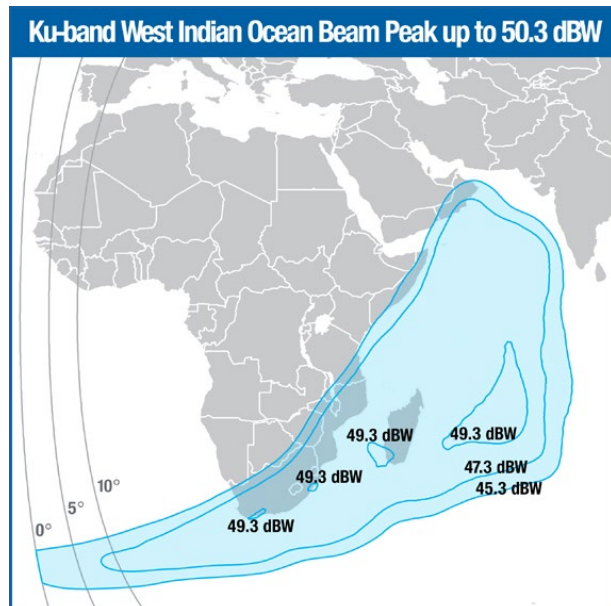
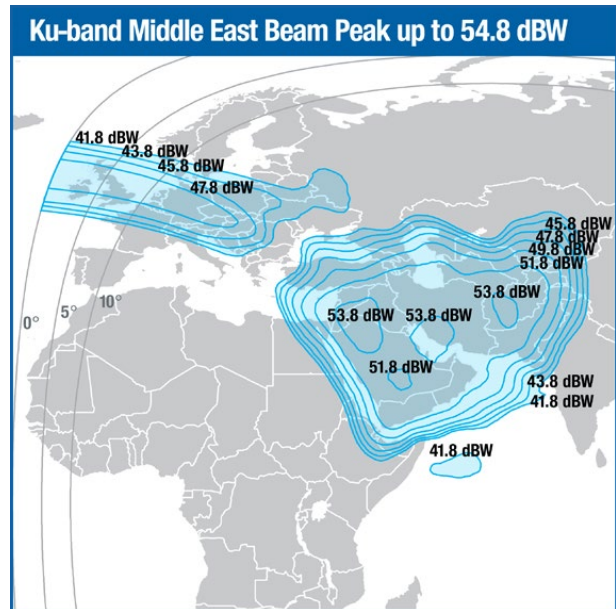
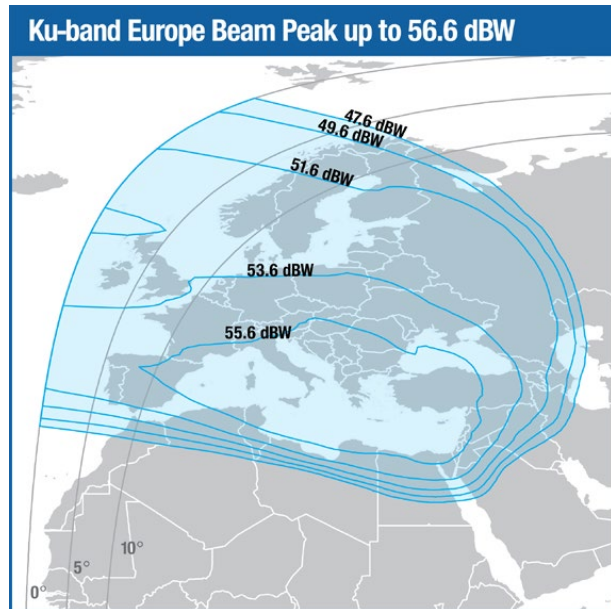
C-band South East Asia Beam Peak up to 47.5 dBW



C-band Key Parameters

Typical Edge of Coverage e.i.r.p.:	Europe:	> 44.1 dBW
	Mozambique:	> 44.5 dBW
	Myanmar:	> 45.4 dBW
	South East Asia:	> 42.3 dBW
Beam Peak G/T:	Europe:	Up to 10.1 dB/K
	Mozambique:	Up to 11.2 dB/K
	Myanmar:	Up to 11.0 dB/K
	South East Asia:	Up to 7.2 dB/K

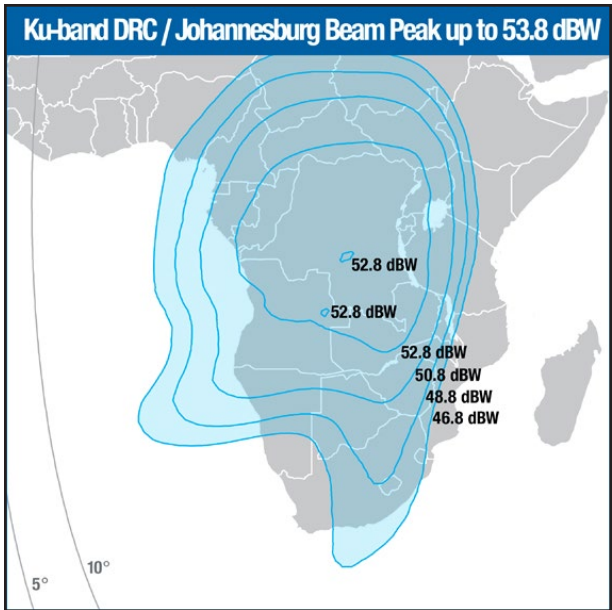
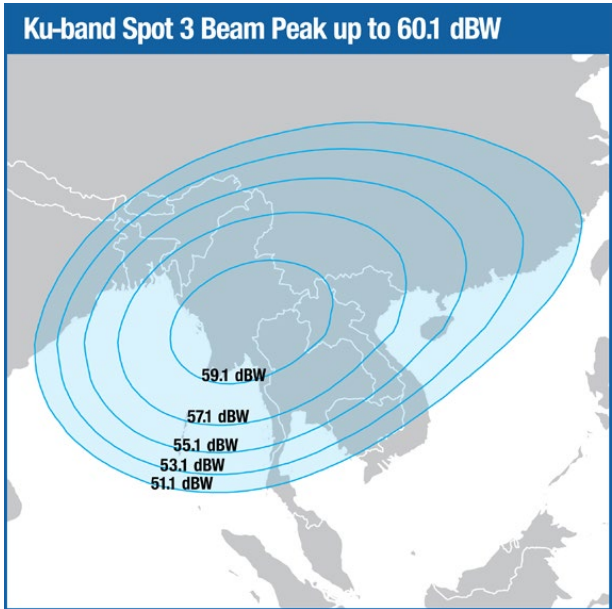
Intelsat 39 at 62°E



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: > 49.9 dBW Middle East: > 47.5 dBW West IOR: > 47.6 dBW East IOR: > 47.6 dBW
Uplink Frequency:	13.00 to 13.25 GHz and 13.75 to 14.50 GHz
Beam Peak G/T:	Europe: Up to 12.3 dB/K Middle East: Up to 7.4 dB/K West IOR: Up to 5.3 dB/K East IOR: Up to 4.1 dB/K

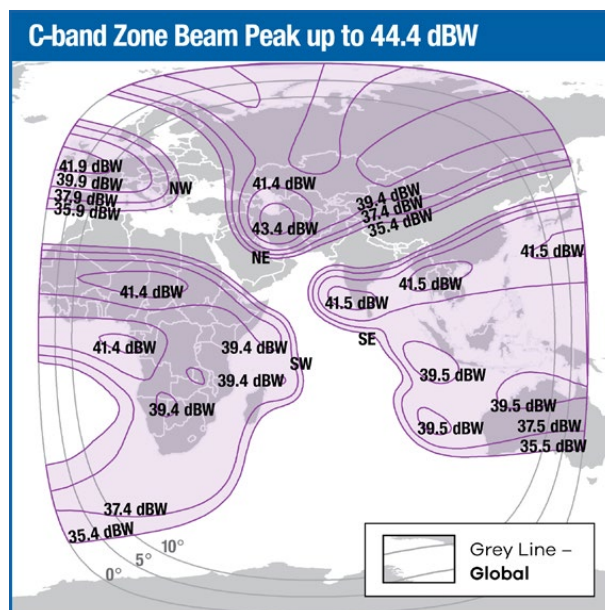
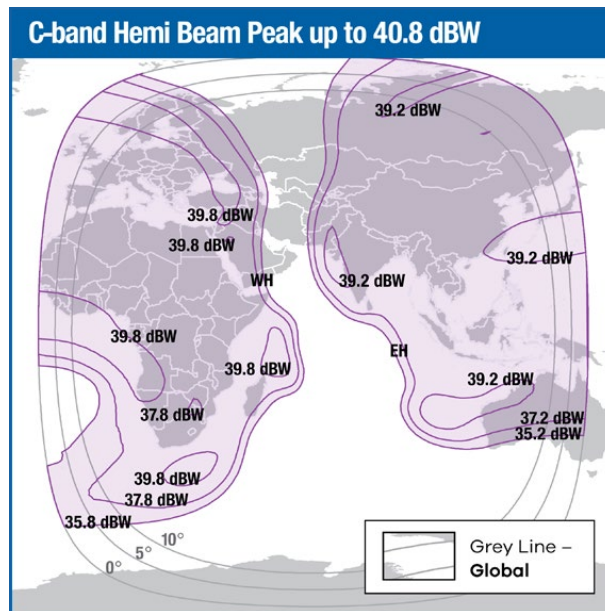
Intelsat 39 at 62°E



Ku-band Key Parameters

Polarization:	Linear – Horizontal or Vertical
Typical Edge of Coverage e.i.r.p.:	Spot 3 Beam: > 51.9 dBW
	DRC Beam: > 48.3 dBW
Beam Peak G/T:	Spot 3 Beam: Up to 14.8 dB/K
	DRC Beam: Up to 8.1 dB/K

Intelsat 906 at 64°E*

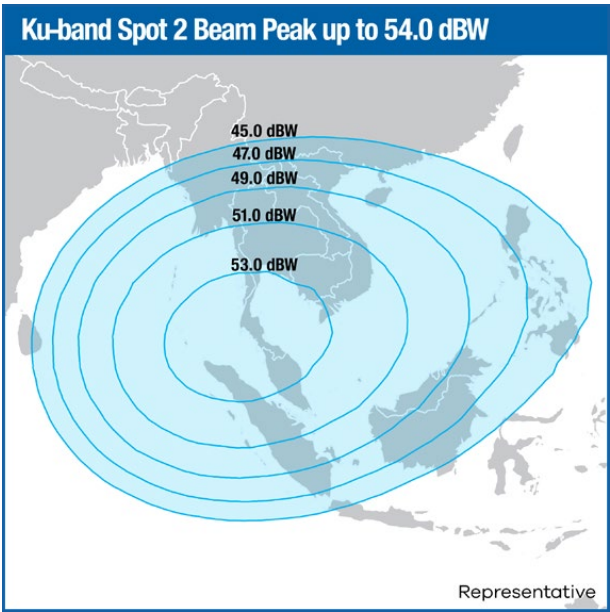
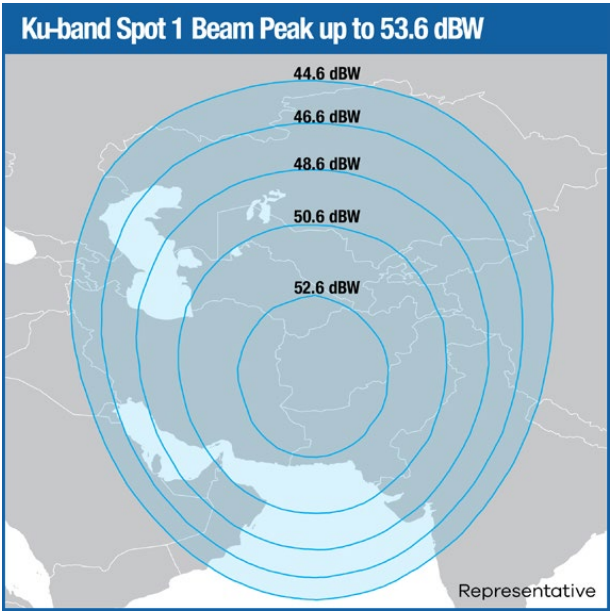


*Inclined Orbit Operation (IOO).

C-band Key Parameters

Configurable Capacity:	41/72 (in equivalent 36 MHz units)
Polarization:	Circular – Right Hand or Left Hand
Downlink Frequency:	3625 to 4200 MHz
Typical Edge of Coverage e.i.r.p.:	Global Beams: > 31.0 dBW Hemi/Zone Beams: > 36.0 dBW
Uplink Frequency:	5850 to 6425 MHz
Beam Peak G/T:	Global Beams: Up to -6.5 dB/K Hemi/Zone Beams: Up to 5.7 dB/K

Intelsat 906 at 64°E*

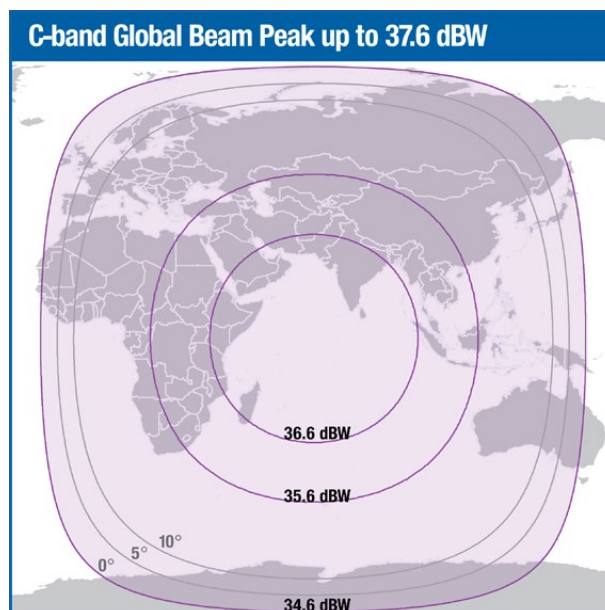
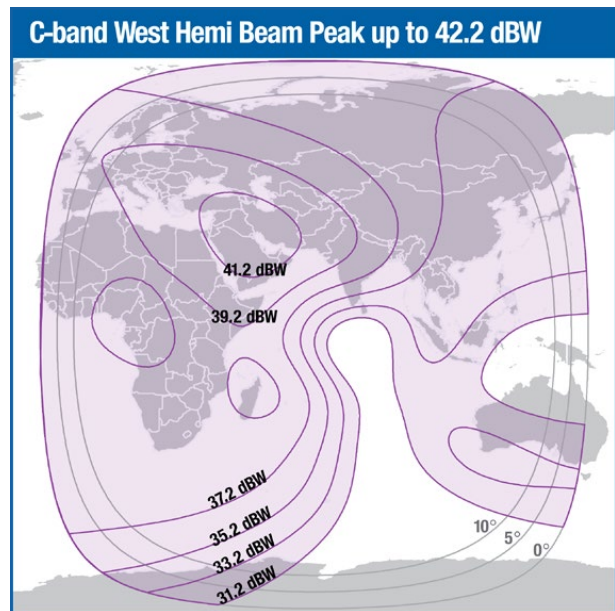
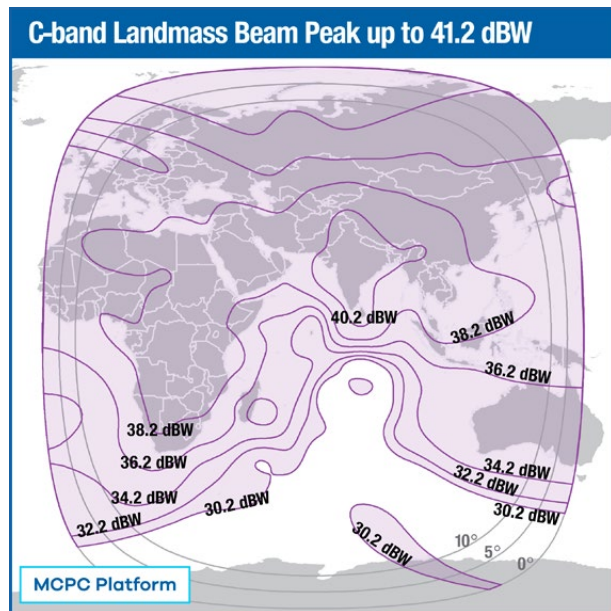


**Inclined Orbit Operation (IOO).*

Ku-band Key Parameters

Configurable Capacity:	22/24 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	10.95 to 11.70 GHz
Typical Edge of Coverage e.i.r.p.:	> 47.0 dBW
Uplink Frequency:	14.00 to 14.50 GHz
Beam Peak G/T:	Spot 1: Up to 8.8 dB/K Spot 2: Up to 9.1 dB/K

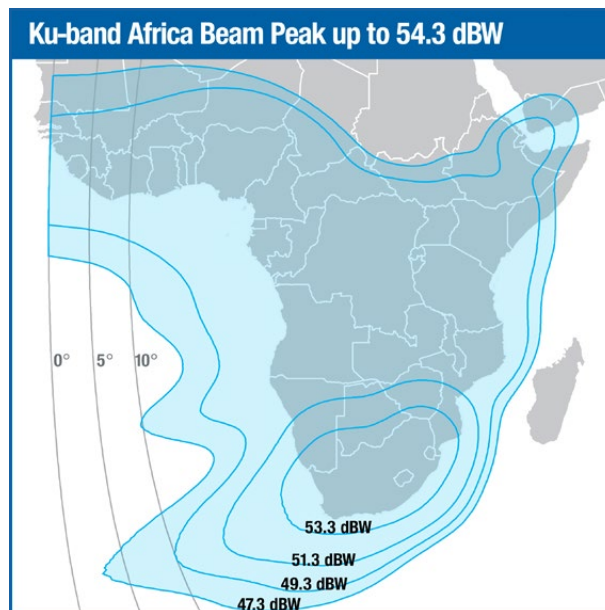
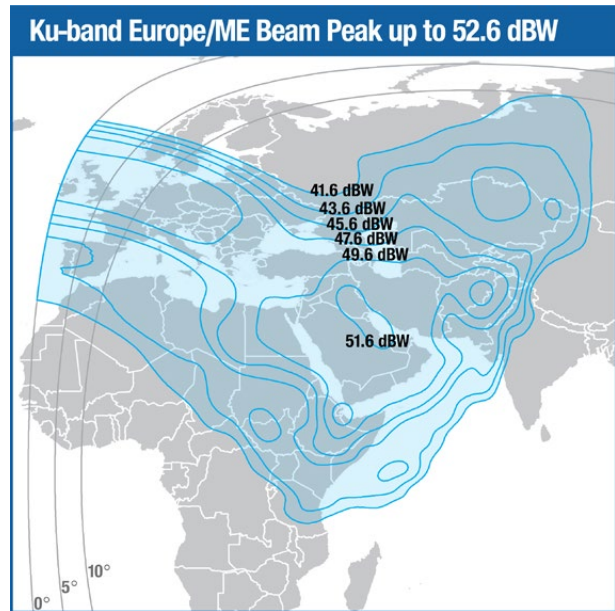
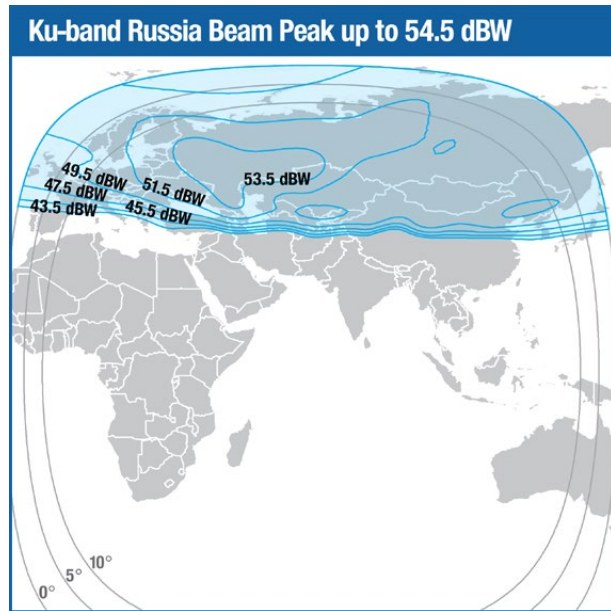
Intelsat 17 at 66°E



C-band Key Parameters

Configurable Capacity:	28 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical (Landmass Beam) Circular – Right or Left Hand (West Hemi and Global Beam)
Downlink Frequency:	3625 to 4200 MHz
Typical Edge of Coverage e.i.r.p.:	Landmass: > 31.7 dBW West Hemi: > 31.8 dBW Global: > 33.5 dBW
Uplink Frequency:	5850 to 6425 MHz
Beam Peak G/T:	Landmass: Up to 0.7 dB/K West Hemi: Up to 0.7 dB/K Global: Up to -6.8 dB/K

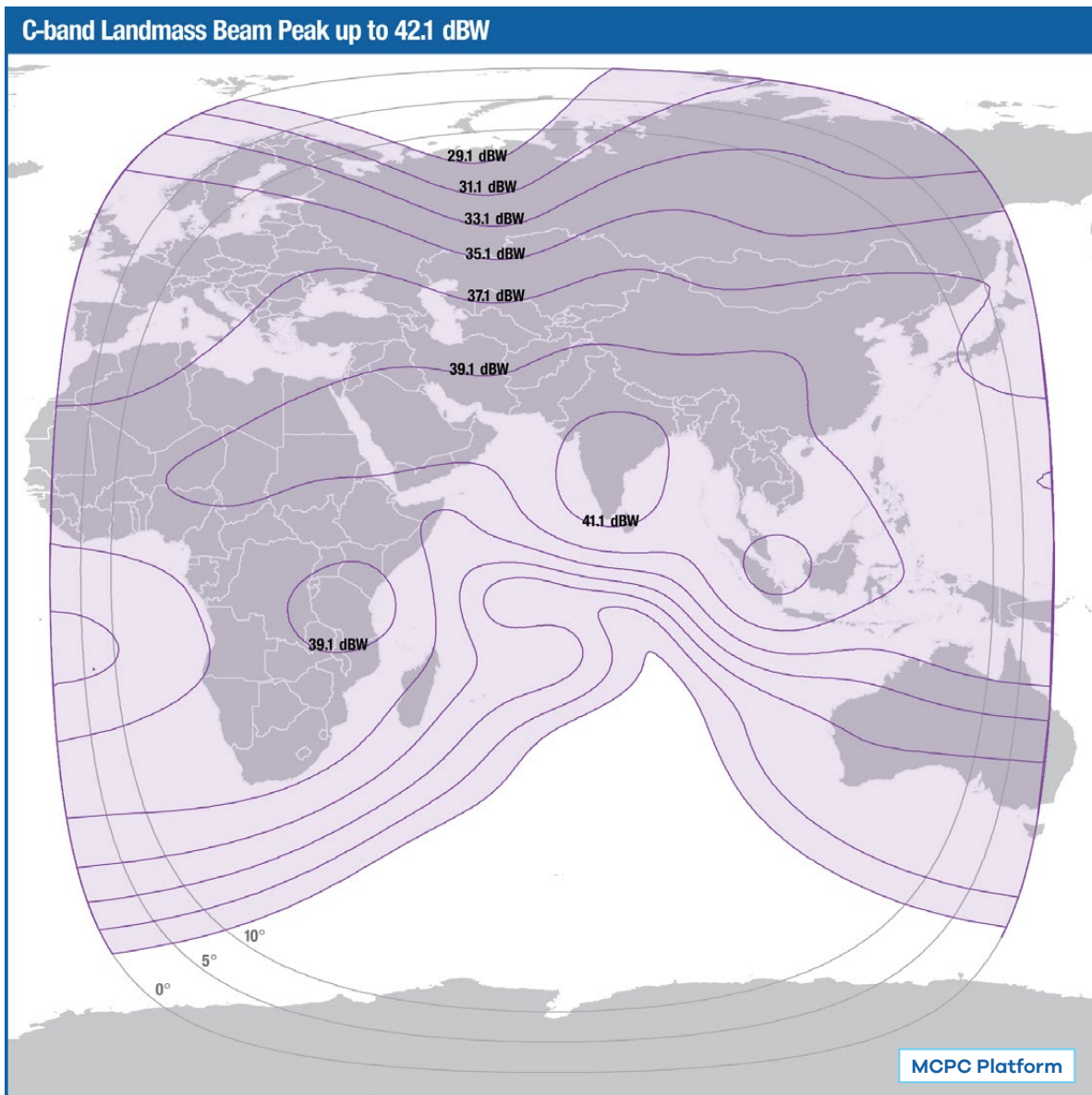
Intelsat 17 at 66°E



Ku-band Key Parameters

Configurable Capacity:	46 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	10.95 to 11.70 GHz and 12.50 to 12.75 GHz
Typical Edge of Coverage e.i.r.p.:	Russia: > 44.1 dBW Europe/Middle East: > 41.9 dBW Africa: > 47.5 dBW
Uplink Frequency:	13.75 to 14.50 GHz
Beam Peak G/T:	Russia: Up to 7.2 dB/K Europe/Middle East: Up to 5.9 dB/K Africa: Up to 7.3 dB/K

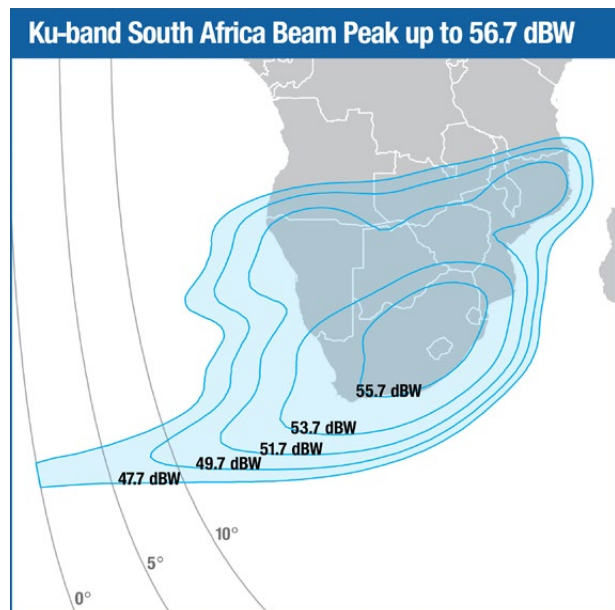
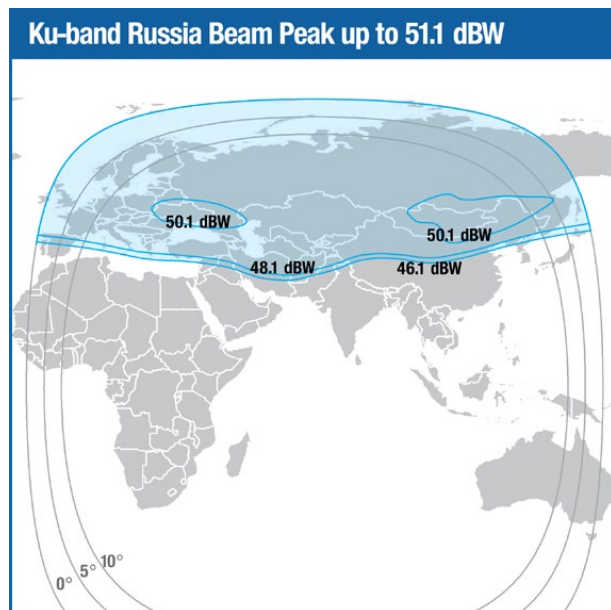
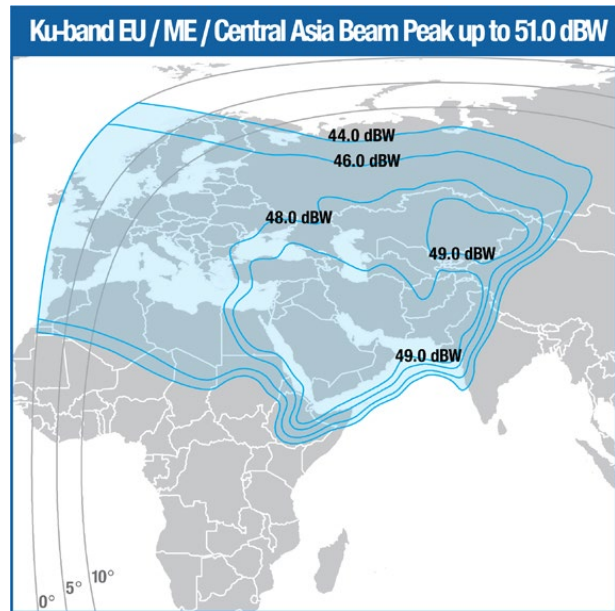
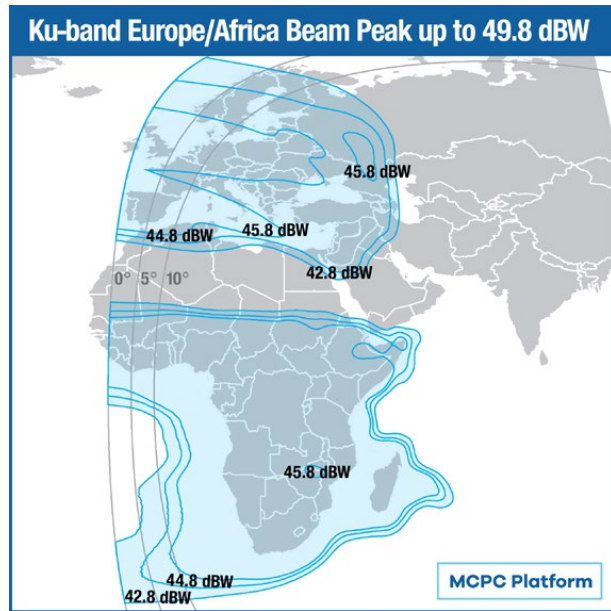
Intelsat 20 at 68.5°E



C-band Key Parameters

Configurable Capacity:	24 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	3700 to 4200 MHz
Typical Edge of Coverage e.i.r.p.:	> 30.7 dBW
Uplink Frequency:	5925 to 6425 MHz
Beam Peak G/T:	Up to 0.7 dB/K

Intelsat 20 at 68.5°E

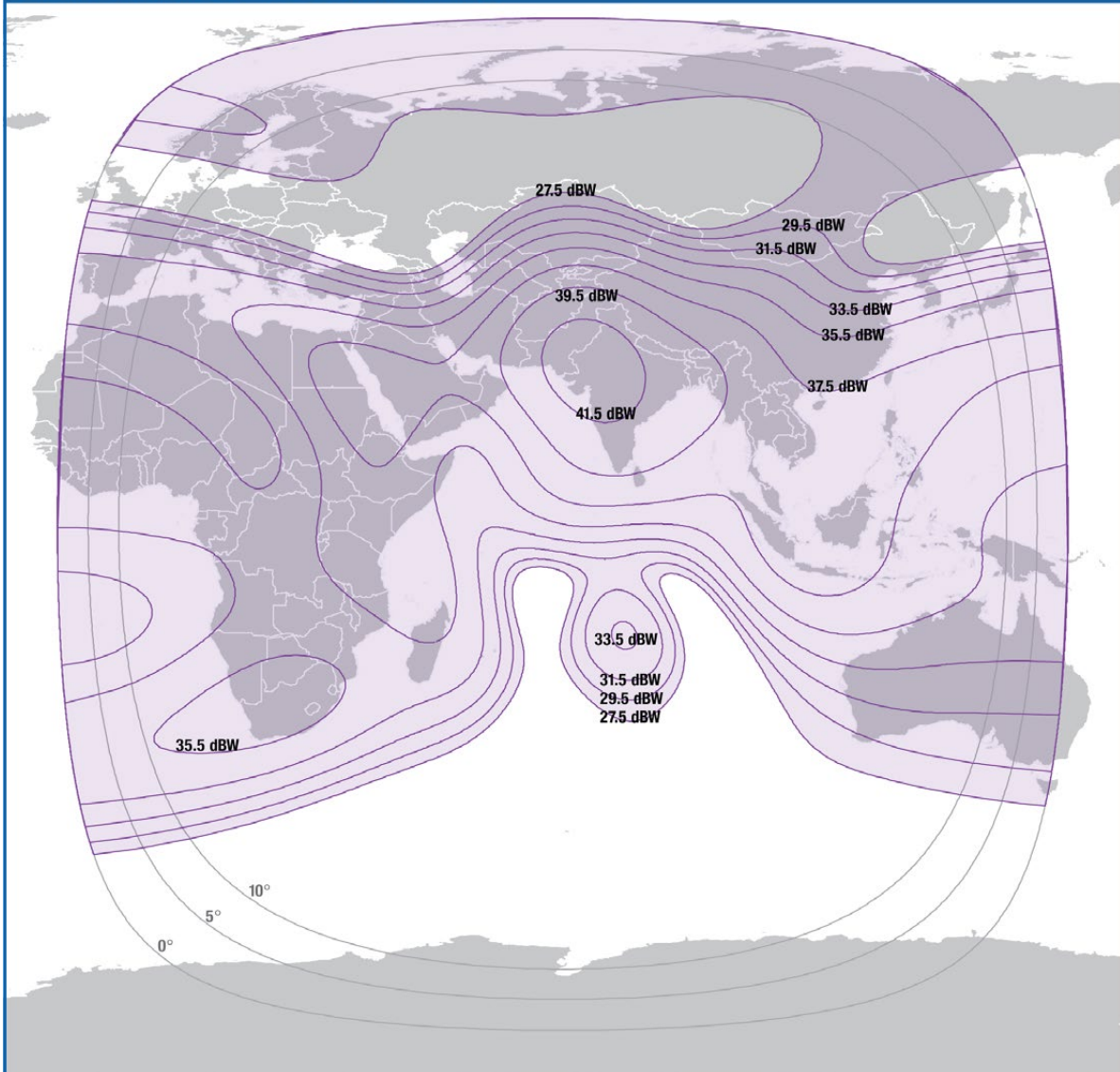


Ku-band Key Parameters

Configurable Capacity:	60 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	10.95 to 11.20, 11.45 to 11.70 GHz and 12.50 to 12.75 GHz
Typical Edge of Coverage e.i.r.p.:	Europe/Africa: > 44.2 dBW EU/ME/CA: > 44.8 dBW Russia: > 48.0 dBW S. Africa: > 48.5 dBW
Uplink Frequency:	13.75 to 14.50 GHz
Beam Peak G/T:	Europe/Africa: Up to 2.2 dB/K EU/ME/CA: Up to 4.5 dB/K Russia: Up to 3.7 dB/K S. Africa: Up to 11.5 dB/K

Intelsat 36 at 68.5°E

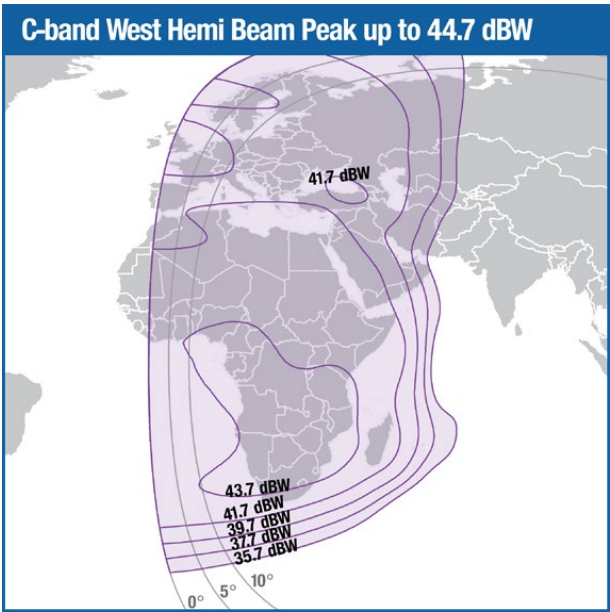
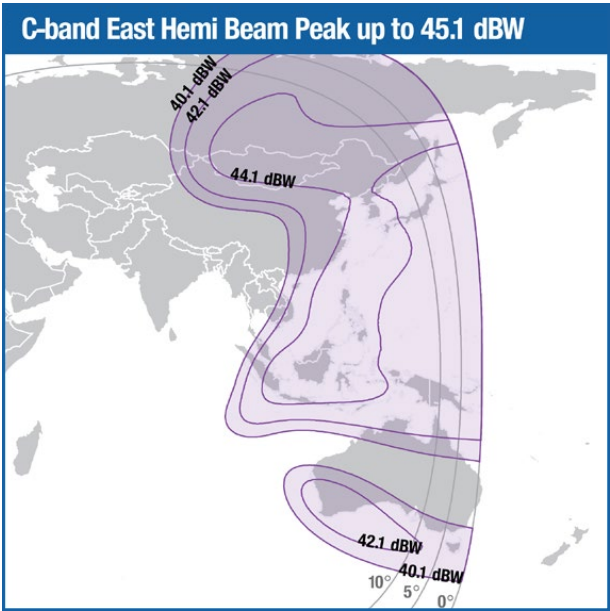
C-band Landmass Beam Peak up to 42.5 dBW



C-band Key Parameters

Configurable Capacity:	12 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	3700 to 3990 MHz
Typical Edge of Coverage e.i.r.p.:	> 28.3 dBW
Uplink Frequency:	5925 to 6215 MHz
Beam Peak G/T:	Up to 1.0 dB/K

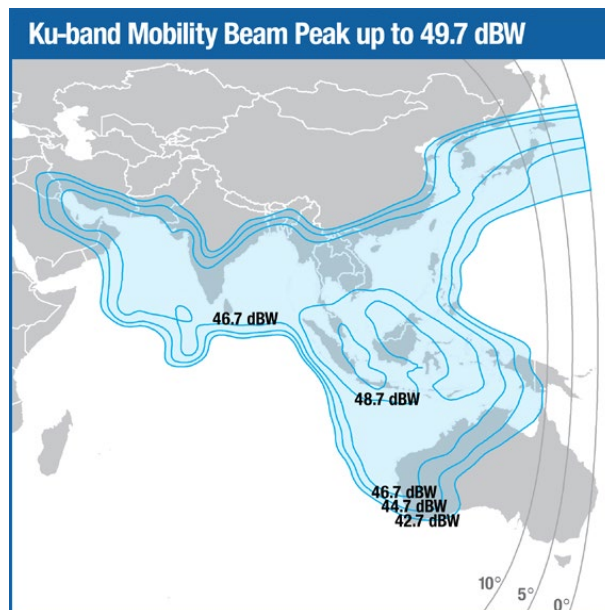
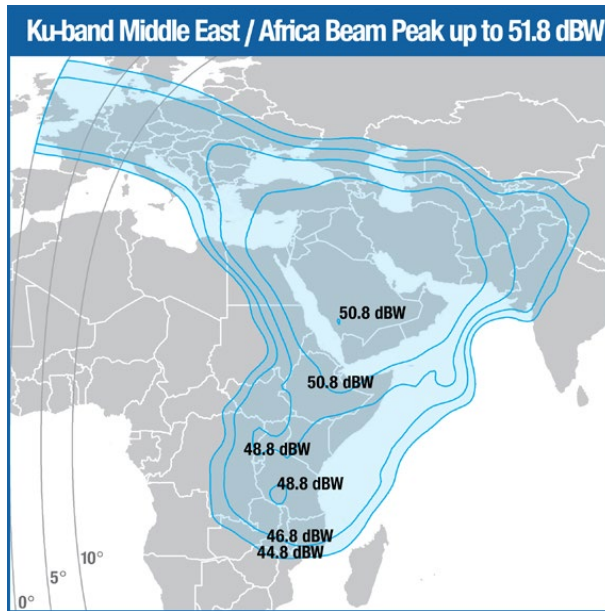
Intelsat 22 at 72°E



C-band Key Parameters

Configurable Capacity:	48 (in equivalent 36 MHz units)
Polarization:	Circular – Right or Left Hand
Downlink Frequency:	3625 to 4200 MHz
Typical Edge of Coverage e.i.r.p.:	West Hemi: > 36.5 dBW East Hemi: > 40.6 dBW
Uplink Frequency:	5850 to 6425 MHz
Beam Peak G/T:	West Hemi: Up to 2.8 dB/K East Hemi: Up to 4.1 dB/K

Intelsat 22 at 72°E

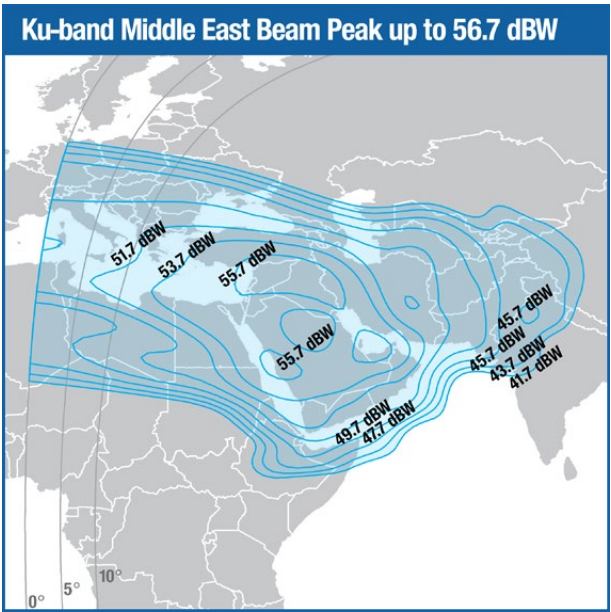
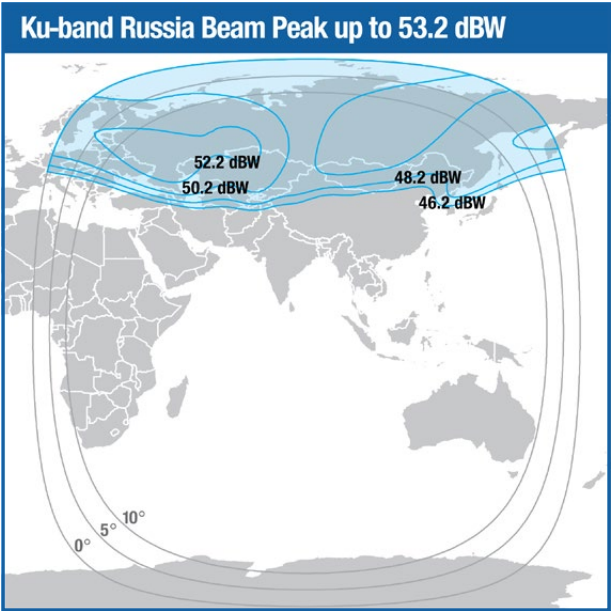


Ku-band Key Parameters

Configurable Capacity:	24 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	11.45 to 11.70 GHz and 12.25 to 12.75 GHz
Typical Edge of Coverage e.i.r.p.:	ME/Africa: > 44.0 dBW Mobility: > 44.8 dBW
Uplink Frequency:	14.00 to 14.50 GHz
Beam Peak G/T:	ME/Africa: Up to 7.0 dB/K Mobility: Up to 4.6 dB/K

Asia-Pacific Region

Intelsat 15 at 85°E

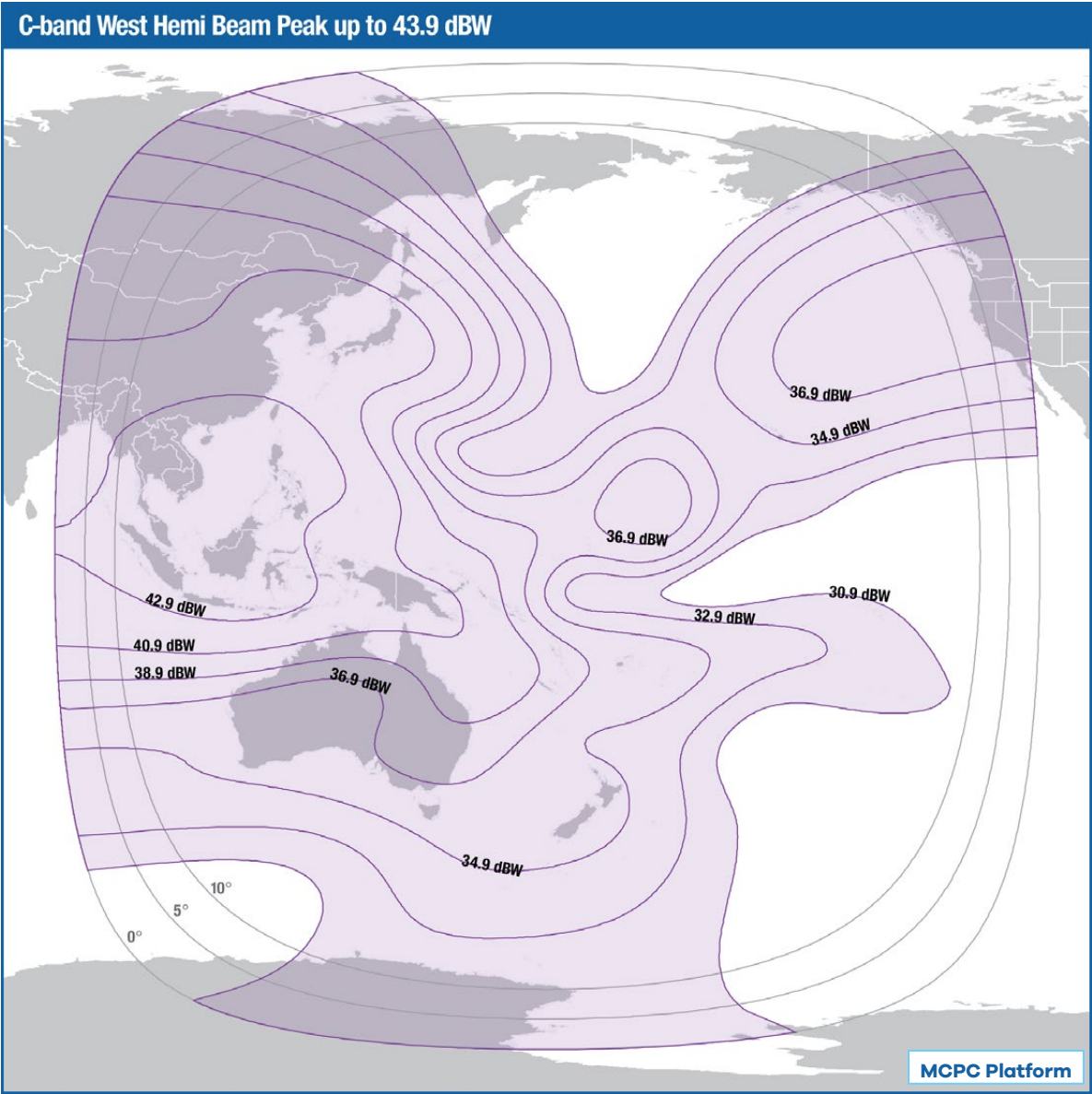


Ku-band Key Parameters

Configurable Capacity:	30 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	Middle East: 10.95 to 11.20 GHz 11.50 to 11.75 GHz Russia: 12.50 to 12.75 GHz
Typical Edge of Coverage e.i.r.p.:	Middle East: > 42.9 dBW Russia: > 46.8 dBW
Uplink Frequency:	Middle East: 13.75 to 14.00 GHz 14.25 to 14.50 GHz Russia: 14.00 to 14.25 GHz
Beam Peak G/T:	Middle East: Up to 10.8 dB/K Russia: Up to 6.1 dB/K

Pacific Ocean Region

Intelsat 19 at 166°E



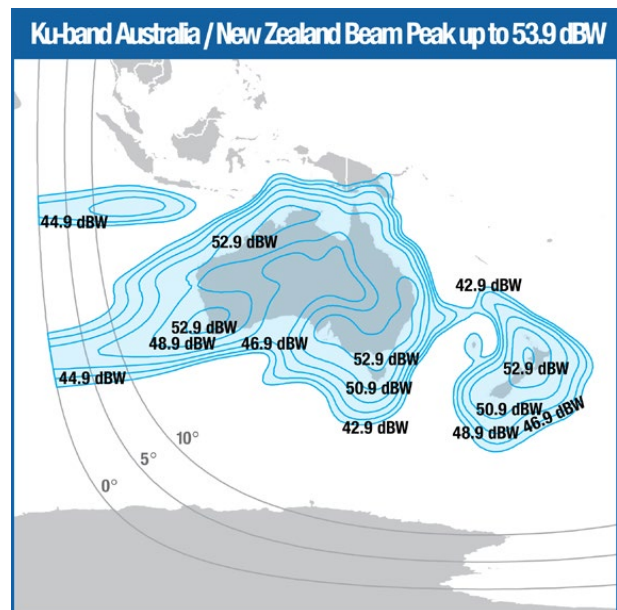
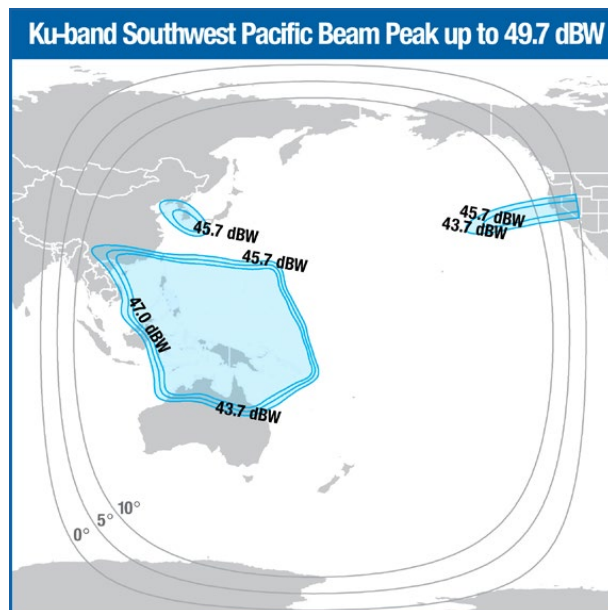
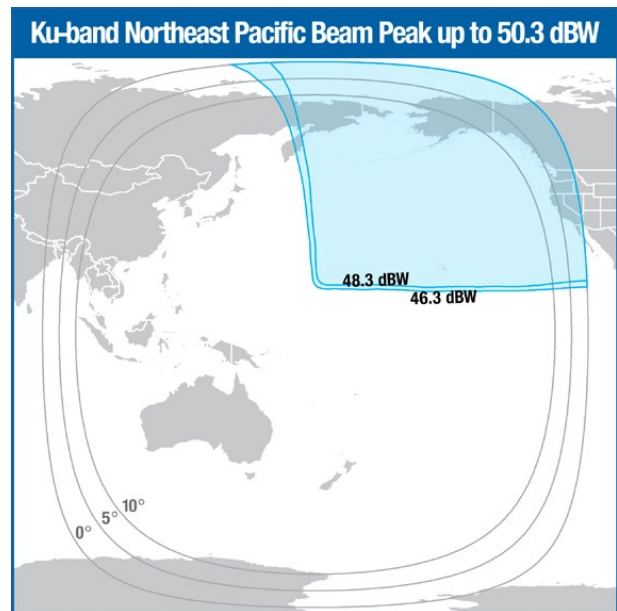
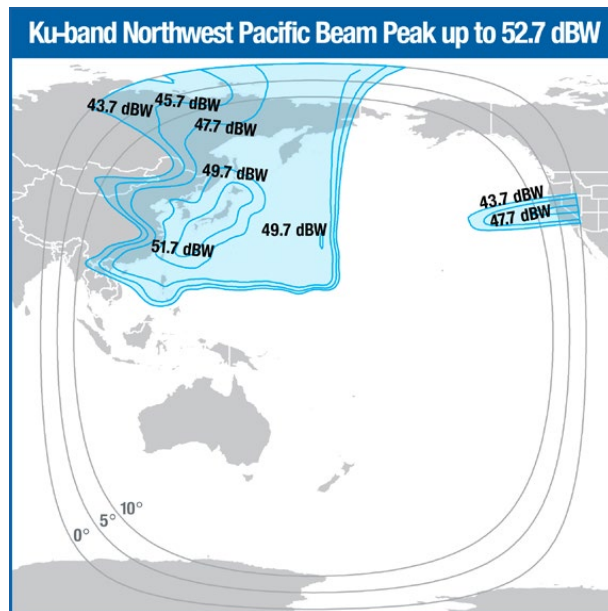
C-band Key Parameters

Configurable Capacity:	24 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	3700 to 4200 MHz
Typical Edge of Coverage e.i.r.p.:	> 32.5 dBW
Uplink Frequency:	5925 to 6425 MHz
Beam Peak G/T:	Up to 2.7 dB/K



Napa Teleport: 16.4m C-band
Paumalu Teleport: 9m C-band
MCPC Platform: C-band / Uplink from Napa Teleport
MCPC Platform: C-Band / Uplink from Paumalu Teleport

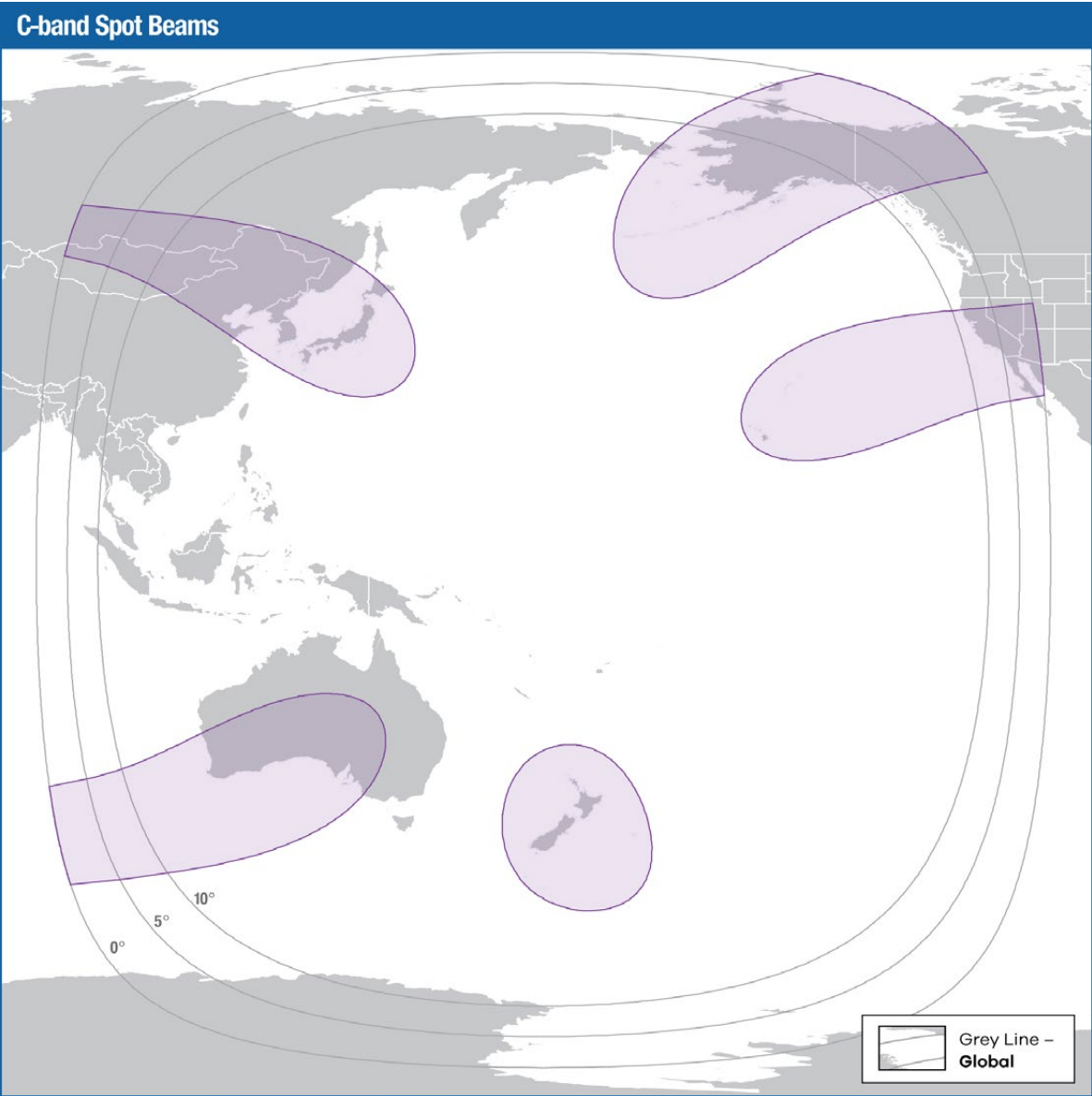
Intelsat 19 at 166°E



Ku-band Key Parameters

Configurable Capacity:	34 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	12.25 to 12.75 GHz
Typical Edge of Coverage e.i.r.p.:	NW Pacific: > 46.1 dBW NE Pacific: > 47.4 dBW SW Pacific: > 45.5 dBW Australia/NZ: > 44.0 dBW
Uplink Frequency:	14.00 to 14.50 GHz
Beam Peak G/T:	NW Pacific: Up to 5.9 dB/K NE Pacific: Up to 4.2 dB/K SW Pacific: Up to 3.8 dB/K Australia/NZ: Up to 7.8 dB/K

Horizons 3e at 169°E

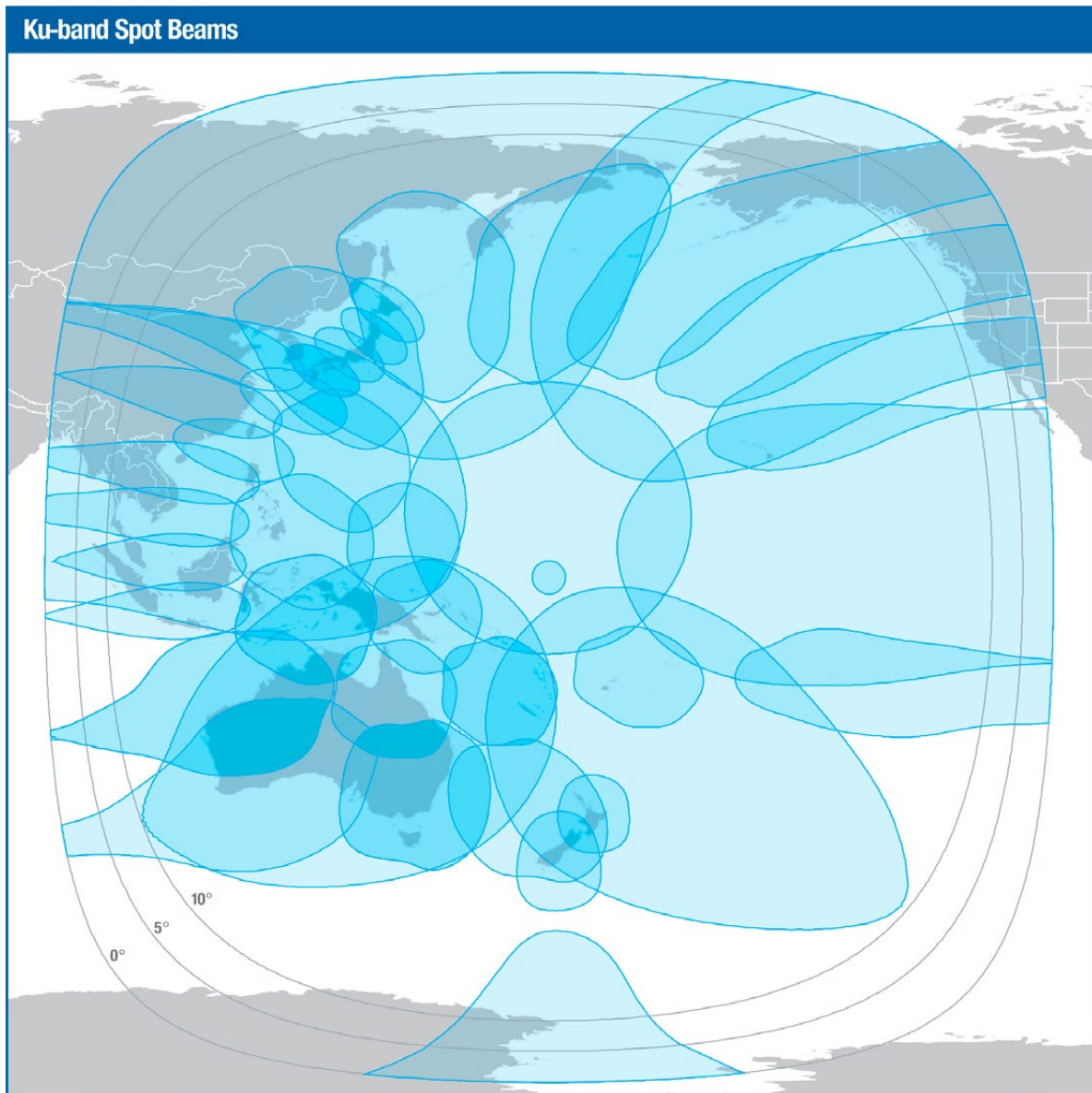


Any beam to any beam connectivity

C-band Key Parameters

Configurable Capacity:	86 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical Circular – Right or Left Hand
Typical Coverage e.i.r.p. Range:	C-band Spot: 44.7 up to 51.0 dBW Global: 33.4 up to 36.6 dBW
Typical G/T Range:	C-band Spot: 2.5 up to 11.2 dB/K Global: -8.6 up to -4.9 dB/K

Horizons 3e at 169°E

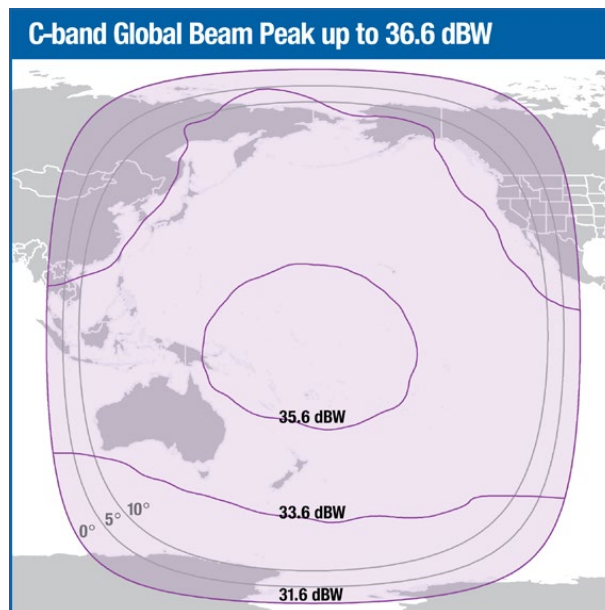
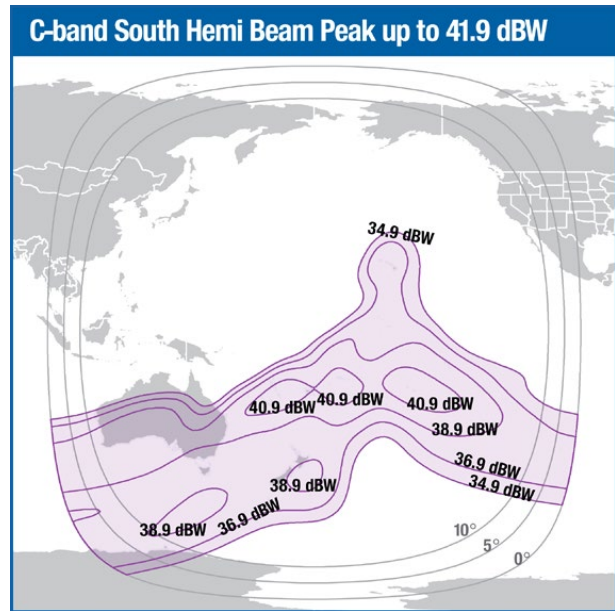
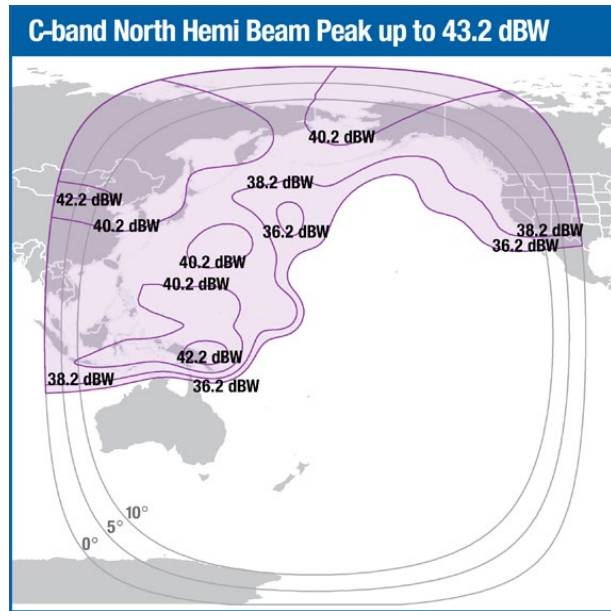


Any beam to any beam connectivity

Ku-band Key Parameters

Configurable Capacity:	250 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Typical Coverage e.i.r.p. Range:	Multi-Spot: 45.5 up to 64.5 dBW
Typical G/T Range:	Multi-Spot: -0.4 up to 19.9 dB/K

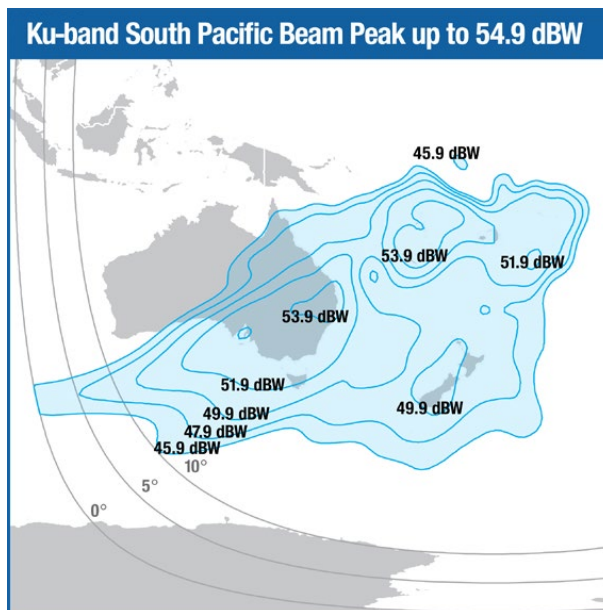
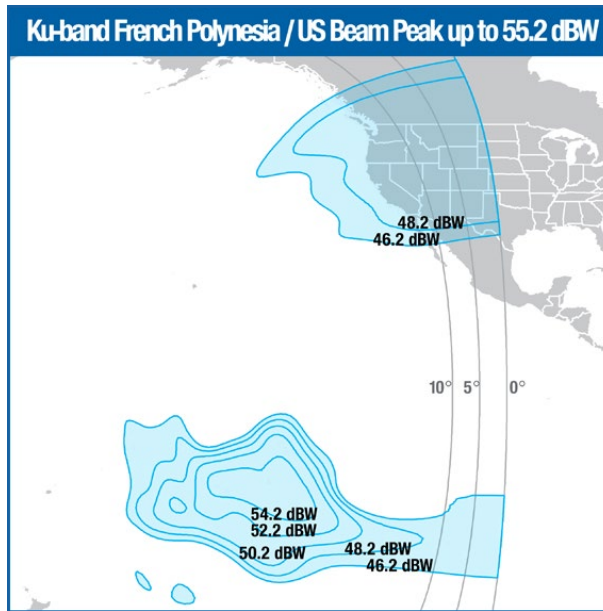
Intelsat 18 at 180°E



C-band Key Parameters

Configurable Capacity:	40 (in equivalent 36 MHz units)
Polarization:	Circular – Right Hand or Left Hand
Downlink Frequency:	3700 to 4200 MHz
Typical Edge of Coverage e.i.r.p.:	Global Beam: > 32 dBW Hemi Beams: > 36 dBW
Uplink Frequency:	5925 to 6425 MHz
Beam Peak G/T:	Global Beam: Up to -3.9 dB/K Hemi Beams: Up to 2.8 dB/K

Intelsat 18 at 180°E



Ku-band Key Parameters

Configurable Capacity:	12 (in equivalent 36 MHz units)
Polarization:	Linear – Horizontal or Vertical
Downlink Frequency:	10.95 to 11.70 GHz and 12.25 to 12.75 GHz
Typical Edge of Coverage e.i.r.p.:	French Polynesia/US: > 46.8 dBW South Pacific: > 45.4 dBW
Uplink Frequency:	14.00 to 14.50 GHz
Beam Peak G/T:	French Polynesia/US: Up to 9.2 dB/K South Pacific: Up to 7.6 dB/K

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