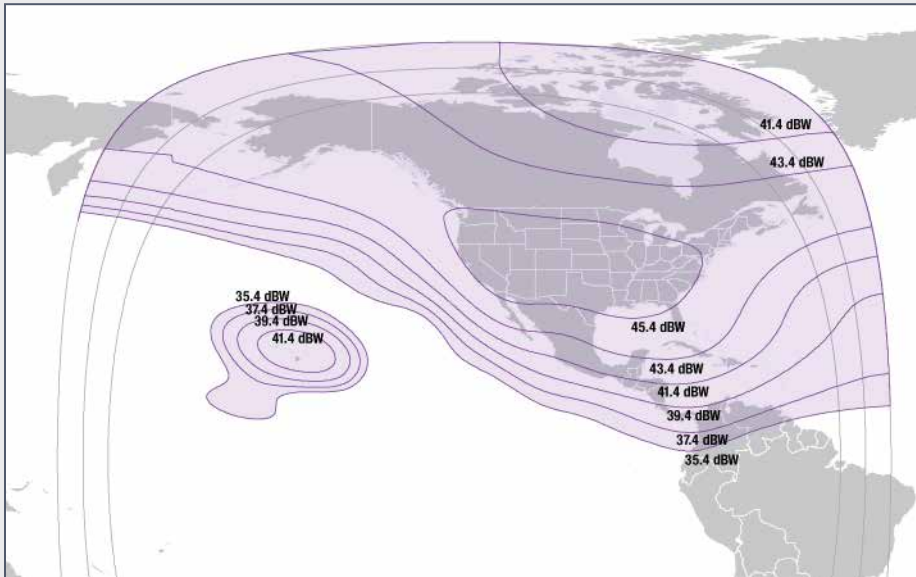


# Galaxy 31 at 121°W

Geosynchronous communications satellite in Intelsat's North America Galaxy Fleet, the most efficient media distribution system in North America.

Galaxy 31 (G-31) is the fourth satellite in the Intelsat Galaxy fleet refresh plan, a new generation of technology that will provide Intelsat Media customers in North America with high-performance media distribution capabilities and unmatched penetration of cable headends. With full C-band capabilities, G-31 is critical to Intelsat's U.S. C-band clearing strategy.

## C-band North America



### C-band Key Parameters

Configurable Capacity:  
24 (in equivalent 36 MHz units)

Polarization: Linear – Horiz. or Vertical

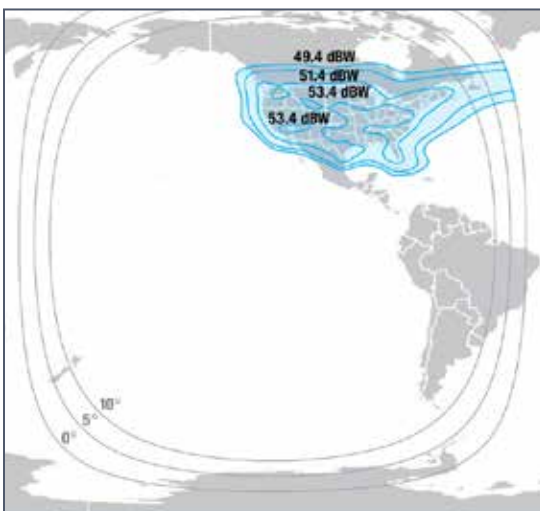
Downlink Frequency:  
3700 to 4200 MHz

Typical Edge of Coverage e.i.r.p.:  
> 36.9 dBW

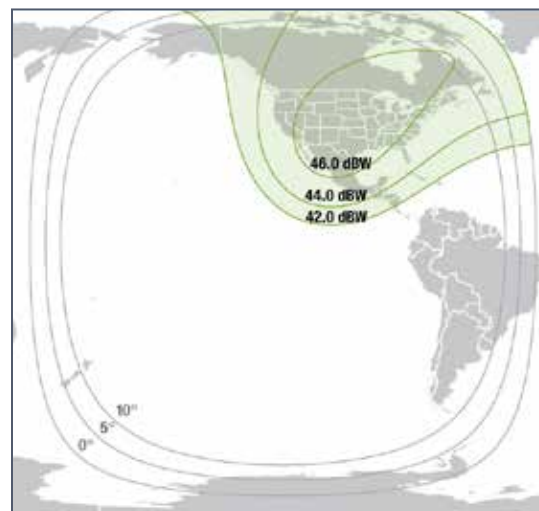
Uplink Frequency:  
5925 to 6425 MHz

Beam Peak G/T:  
Up to 4.6 dB/K

## Ku-band North America Beam



## Ka-band Beam



### Ku-band Key Parameters

Configurable Capacity:  
28 (in equivalent 36 MHz units)

Polarization: Linear – Horiz. or Vertical

Downlink Frequency:  
10.70 to 11.20 GHz and 11.70 to 12.45 GHz

Typical Edge of Coverage e.i.r.p.:  
> 50 dBW

Uplink Frequency:  
12.75 to 13.25 GHz and 13.75 to 14.5 GHz

Beam Peak G/T:  
Up to 7.4 dB/K

### Ka-band Key Parameters

Configurable Capacity:  
62 (in equivalent 36 MHz units)

Polarization: Circular – Right or Left Hand

Downlink Frequency:  
17.70 to 20.20 GHz

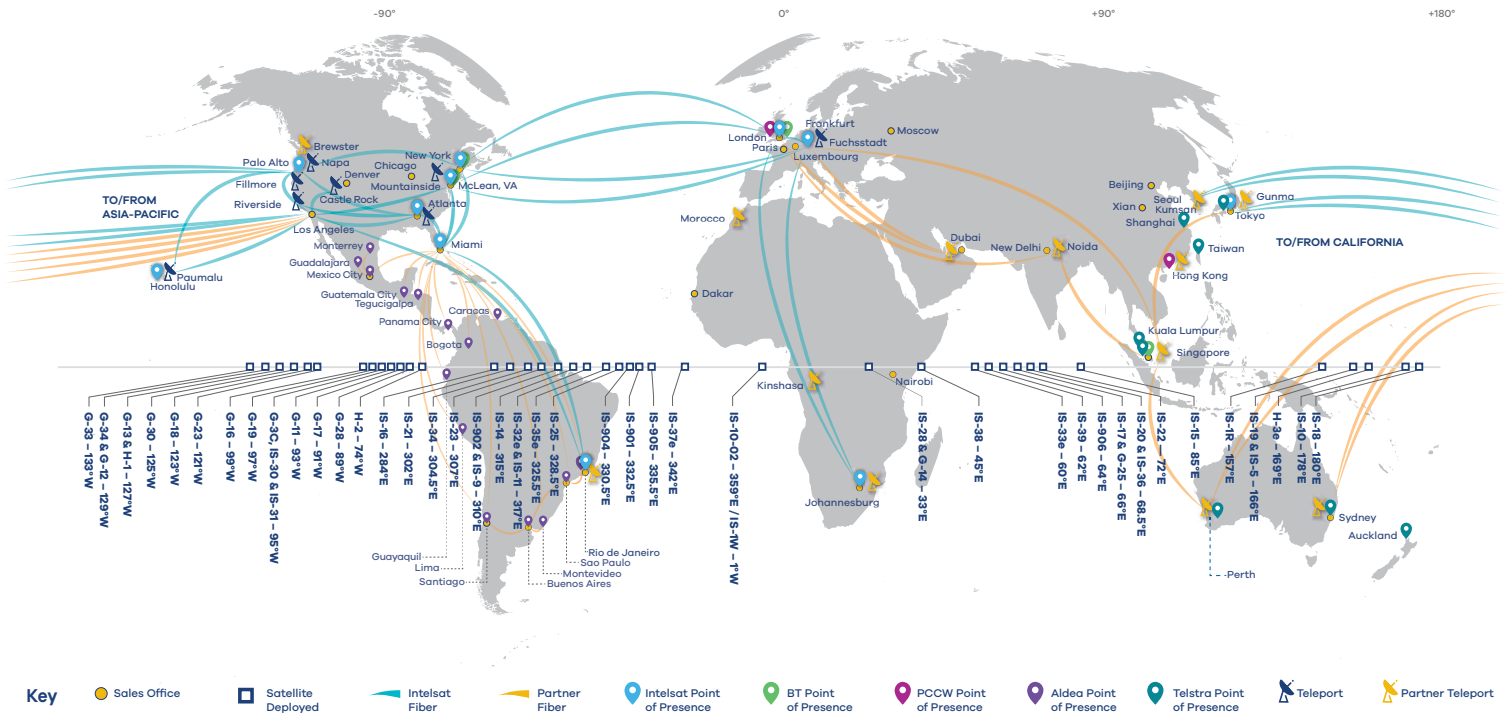
Typical Edge of Coverage e.i.r.p.:  
> 43.3 dBW

Uplink Frequency:  
27.50 to 30.00 GHz

Beam Peak G/T:  
Up to -0.5 dB/K

*Payload performance values are preliminary and may change. Map shown for illustrative purpose and may change.*

# Intelsat Global Network



## About Intelsat

As the foundational architects of satellite technology, Intelsat operates the world's most trusted satellite telecom network. We apply our unparalleled expertise and global scale to connect people, businesses, governments and communities, no matter how difficult the challenge. Intelsat is building the future of global communications with the world's first hybrid, multi-orbit, software-defined 5G network designed for simple, seamless, and secure coverage precisely when and where our customers most need it.

Follow the leader in global connectivity and "Imagine Here," with us, at [Intelsat.com](http://Intelsat.com).

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