

Covering a continent with the Ligado SkyTerra 1 Satellite

No other L-band commercial mobile satellite in North America has the capability of the Ligado SkyTerra 1 satellite. Its 22-meter, reflector-based antenna – the largest reflector in service on a commercial satellite – enables high-quality connectivity including mobility to low-power, small-form factor devices.

The use of ground-based beamforming technology in the satellite ground network allows hundreds of beams to be formed over the coverage area with ground programmable beam shapes. New beams can be created and added when required to meet partner specific coverage and capacity needs.

The SkyTerra 1 satellite operates in the L-band, providing pervasive mobile connectivity throughout North and Central America, Northern South America, the Caribbean, Hawaii, and coastal waters.



SKYTERRA 1 FEATURES

Model

Boeing 702
Geo-Mobile Bus

Bands

L-band, Ku-band
Transponders

Reflector

22m L-band Service
Link Reflector

EIRP

Up to 79.3 dBW
aggregate G/T 21dB/K

Orbit

Geostationary

Coverage

North America

Orbital Location

101.3 degrees West

- One-of-a-kind satellite network
- 22-meter, reflector-based antenna
- State-of-the-art capabilities, including ground-based beamforming and targeted bandwidth resource allocations
- Ideal for pervasive connectivity to small, fixed and mobile devices
- Enables stronger mobile connections and greater flexibility in network capacity management