

Covering a continent with Ligado's SkyTerra 1

No other L-band commercial mobile satellite in North America has the capability of Ligado's 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.

Ligado's 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.



LIGADO'S SKYTERRA 1 FEATURES

Model	Bands
Boeing 702 Geo-Mobile Bus	L-band, Ku-band Transponders
Reflector	EIRP
22m L-band Service Link Reflector	Up to 79.3 dBW aggregate
Orbit	G/T
Geostationary	21dB/K
Orbital Location	Coverage
101.3 degrees West	North America

- State-of-the-art capabilities, including ground-based beamforming and targeted bandwidth resource allocations enabling greater flexibility in network capacity management
- Ideal for pervasive connectivity to small, fixed and mobile devices
- Unicast, multicast and broadcast capabilities
- Serving mission critical industries with voice, PTT and IoT applications