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August 14, 2018

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

Re: Written *ex parte* presentation in IB Docket No. 11-109; IBFS File Nos. SES-MOD-20151231-00981, SAT-MOD-20151231-00090, SAT-MOD-20151231-00091, SAT-AMD-20180531-00044, and SAT-AMD-20180531-00045

Dear Ms. Dortch:

On August 10, 2018, Valerie Green, Executive Vice President and Chief Legal Officer of Ligado Networks LLC (“Ligado”) and the undersigned met with Ron Repasi and Paul Murray of the Office of Engineering and Technology (“OET”) and with Charles Mathias and Aalok Mehta of the Wireless Telecommunications Bureau (“WTB”). Michael Ha of OET and Paul Powell of WTB participated by telephone. During the meeting, the parties discussed how Ligado as a satellite company can use its satellite network complemented by an ancillary terrestrial network to support a range of Industrial Internet of Things (“IIoT”) deployments and deliver high-quality, secure IoT connections for small fixed and mobile devices. The parties also discussed how Ligado’s combined satellite-terrestrial network can accelerate digital transformations and modernize American infrastructure by building customer-focused networks that connect the next generation of IIoT. Finally, the parties emphasized the dramatic reduction in its power levels Ligado made in the recent amendment to the pending License Modification Applications. We emphasized that the 99.4% power reduction across the 1526-1536 MHz is designed to address concerns of both federal and non-federal as well as aviation and non-aviation related stakeholders and to ensure that GPS devices can co-exist with Ligado’s network.

Please direct any questions to the undersigned.

Sincerely,

/s/ Gerard J. Waldron
Gerard J. Waldron
Counsel to Ligado Networks LLC

cc: Meeting attendees

Attachments

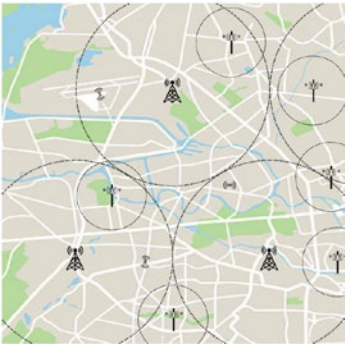
Ligado Combined Satellite Terrestrial Capabilities for Next Generation Networks

Pervasive Satellite Coverage



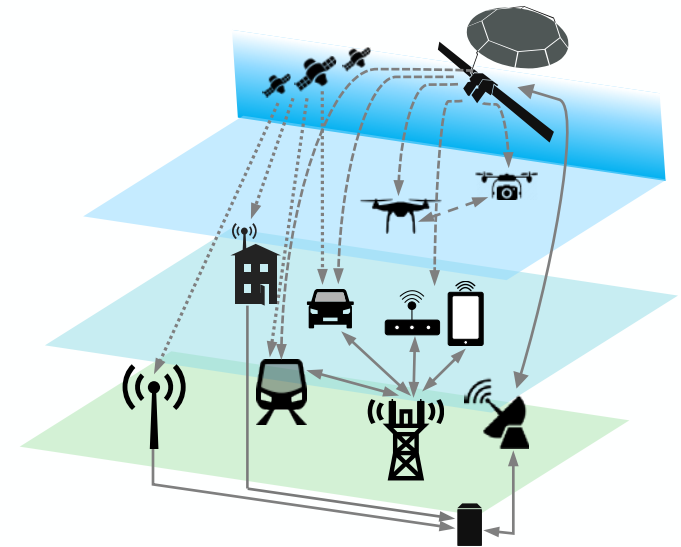
- No other L-band commercial mobile satellite in North America has the capability of Ligado's SkyTerra 1 satellite. Its 22-meter, reflector-based antenna – the largest reflector in service on a commercial satellite – supports voice and machine communications to small form factors like smartphones and IoT devices
- Secure, resilient, and redundant command and control capabilities when and where a customer needs it, providing the obvious platform for autonomous support applications
- Pervasive mobile connectivity throughout North and Central America, Northern South America, the Caribbean, Hawaii, and coastal waters

Dedicated Licensed Spectrum



- Licensed spectrum allows for the highest level of security, reliability, and control for operating customized networks in a 5G world
- Because the spectrum can be used exclusively by the customer in a defined geographic location, a customized network does not compete with other applications for network resources
- Mid-band spectrum in the 1.5 GHz to 1.6 GHz band is highly versatile for coverage and capacity deployment needs, delivers carrier-grade in-building penetration, and supports a full mobile experience

Next Generation Satellite and Terrestrial Network



Adjusting Downlink Power to 9.8 dBW (10 W) per DOT Report is a 99.4% Reduction from the Power Level Agreed to in the GPS Agreements

9.8 dBW (10 W) is also a 99.9% reduction in power from the licensed power level of 42 dBW (15,850 W)

