

November 15, 2016

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

Re: Request for Special Temporary Authority  
9.2m Ka-band Antenna, Riverside, California

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)<sup>1</sup> for 30 days, commencing December 16, 2016, to utilize a 9.2m Ka-band antenna located at its Riverside, California teleport to provide launch and early orbit phase (“LEOP”) services for the Jupiter 2 satellite. Jupiter 2, which is also known as EchoStar 19, is expected to be launched on December 16, 2016.<sup>2</sup> Intelsat expects the LEOP period to last approximately ten days.<sup>3</sup>

The Jupiter 2 LEOP operations will be performed at the following frequencies: 28351.5 MHz and 28353.5 MHz in the uplink (RHCP), and 19701.0 MHz and 19703.0 MHz in the downlink (RHCP). The LEOP operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.<sup>4</sup> All operators of satellites in that path will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs.

The 24x7 contact information for the Jupiter 2 LEOP mission is as follows:

Ph.: (703) 559-7701 – East Coast Operations Center (primary)  
(310) 525-5591 – West Coast Operations Center (back-up)

Request to speak with Harry Burnham or Kevin Bell.

---

<sup>1</sup> Intelsat has filed its STA request, an FCC Form 159, a \$200.00 filing fee, and this supporting letter electronically via the International Bureau’s Filing System (“IBFS”).

<sup>2</sup> The permanent orbital location and in-orbit testing location for Jupiter 2, which Intelsat understands is licensed by Papua New Guinea, will be at 97.1° W.L. The Federal Communications Commission granted Jupiter 2 market access on June 23, 2015. See *Policy Branch Information; Actions Taken*, Public Notice, Report No. SAT-01187, File No. SAT-LOA-20160624-00061 (Sept. 16, 2016) (Public Notice).

<sup>3</sup> Intelsat is seeking 30 days to accommodate a possible launch delay.

<sup>4</sup> SSL, the manager of the Jupiter 2 LEOP mission, will handle the coordination.

Ms. Marlene H. Dortch  
November 15, 2016  
Page 2

In further support of this request, Intelsat herewith attaches Exhibit A, which contains technical information that demonstrates that the operation of the earth station will be compatible with its electromagnetic environment and will not cause harmful interference into any lawfully operating terrestrial facility.

Finally, Intelsat clarifies that during the Jupiter 2 LEOP mission, SSL will serve as the mission manager. SSL will build and send the commands to the Intelsat antenna, which will process and execute the commands. Telemetry received by Intelsat will be forwarded to SSL. Intelsat will perform the ranging sessions by sending a tone to the spacecraft periodically. Intelsat will remain in control of the baseband unit, RF equipment, and antenna.

Grant of this STA request will allow Intelsat to help launch the Jupiter 2 satellite. This, in turn, will help provide additional capacity from the 97.1° W.L. orbital location and thereby promotes the public interest.

Please direct any questions regarding this STA request to the undersigned at (703) 559-6949.

Respectfully submitted,



Cynthia J. Grady  
Regulatory Counsel  
Intelsat Corporation

cc: Paul Blais