

October 30, 2014

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

Re: Request for Special Temporary Authority  
Hagerstown, Maryland Earth Station KA258

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)<sup>1</sup> for 30 days, commencing November 28, 2014, to use its Hagerstown, Maryland Ku-band earth station—call sign KA258—to provide launch and early orbit phase (“LEOP”) services for the Astra-2G satellite. Astra-2G is expected to be launched on November 28, 2014.<sup>2</sup> The LEOP period is expected to last approximately 10 days.<sup>3</sup>

The Astra-2G LEOP operations will be performed in the following frequencies: 17312.50 MHz and 18087.00 MHz in the uplink, and 11452.50 MHz, 11710.50, and 12492.00 MHz in the downlink. 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 Astra-2G 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.

In further support of this request, Intelsat hereby attaches Exhibit A and B, a waiver request and the prior coordination notice and. Intelsat will provide technical information that demonstrating that the operation of the earth station will be compatible with its electromagnetic environment and will not cause

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<sup>1</sup> Intelsat has filed its STA request, an FCC Form 159, a \$195.00 filing fee, and this supporting letter electronically via the International Bureau’s Filing System (“IBFS”).

<sup>2</sup> The permanent orbital location for Astra-2G, which Intelsat understands is licensed by Luxembourg, will be at 28.2° E.L. The in-orbit testing location will be 43.5° E.L.

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

<sup>4</sup> Airbus, the manager of the Astra-2G mission, will handle the coordination.

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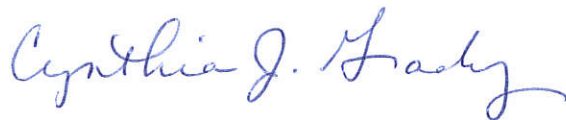
harmful interference into any lawfully operating terrestrial facility prior to launch. In the extremely unlikely event that harmful interference should occur due to transmissions to or from its earth station, Intelsat will take all reasonable steps to eliminate the interference. Intelsat also notes that for purposes of the Astra-2G LEOP mission, it is seeking to operate in the frequencies listed in this request at power levels not to exceed 22.9 dBW.

Finally, Intelsat clarifies that during the Astra-2G launch, Airbus will control the spacecraft. Airbus 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 Airbus. 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 Astra-2G satellite. This, in turn, will help provide VSAT and broadband services at the 28.2° E.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