

February 21, 2017

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

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

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests an additional 30 days of Special Temporary Authority (“STA”)¹ previously granted Intelsat to use its Hagerstown, Maryland Ku-band earth station—call sign KA258—to provide launch and early orbit phase (“LEOP”) services for the HispaSat-AG1 satellite.² HispaSat-AG1 was launched on January 27, 2017.³ The LEOP period is expected to last approximately 30 days.

The HispaSat-AG1 LEOP operations will continue to be performed at the following frequencies: 14003.8 MHz and 14494.5 MHz in the uplink (linear and circular polarizations), and 11452.0 MHz and 12749.0 MHz in the downlink (linear and circular polarizations). The LEOP operations will continue to be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.⁴ 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 HispaSat-AG1 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.

In further support of this extension request, Intelsat incorporates by reference Exhibits A and B, which contain waiver requests. In the extremely unlikely event that harmful interference should occur due to

¹ Intelsat has filed this STA request, an FCC Form 159 and a \$200.00 filing fee, and this supporting letter electronically via the International Bureau’s Filing System.

² See *Satellite Communications Services information; Actions Taken*, Report No. SES-01923, File No. SES-STA-20170105-00013 (Jan. 25, 2017) (Public Notice).

³ The in-orbit testing location for HispaSat-AG1, which Intelsat understands is licensed by Spain, will be at 26.0° W.L. The final location of HispaSat-AG1 will be at 36.0° W.L.

⁴ OBH Systems, the manager of the HispaSat-AG1 mission, will handle the coordination.

Ms. Marlene H. Dortch
February 21, 2017
Page 2

transmissions to or from its earth station, Intelsat will take all reasonable steps to eliminate the interference.

Finally, Intelsat clarifies that during the HispaSat-AG1 LEOP mission, OBH Systems will serve as the mission manager. OBH Systems 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 OBH Systems. 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 extension request will allow Intelsat to help launch the HispaSat-AG1 satellite. This, in turn, will help provide additional capacity at the 36.0° 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,

A handwritten signature in blue ink that reads "Cynthia J. Grady". The signature is written in a cursive, flowing style.

Cynthia J. Grady
Regulatory Counsel
Intelsat Corporation

cc: Paul Blais