



**INTELSAT.**

*Envision. Connect. Transform.*

November 26, 2019

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

Re: Request for Special Temporary Authority to Operate a New 23 cm Ku-band Antenna

Dear Ms. Dortch:

Intelsat License LLC (“IntelSat”) herein requests Special Temporary Authority (“STA”)<sup>1</sup> for 30 days, commencing December 6, 2019, to temporarily operate a new 23 cm Ku-band antenna with Galaxy 16 (Call Sign S2687)<sup>2</sup> in order to test the antenna. The antenna will be located in Melbourne, Florida and at IntelSat’s Hagerstown, Maryland teleport. The proposed testing is expected to take approximately 30 days.

The test will be performed in the following frequency bands: 14000-145000 MHz in the uplink; and 11700-12180 MHz in the downlink. The 23 cm antenna has a transmit gain of 30.4 dB at 14125 MHz and a receive gain of 28.9 dB at 11850 MHz. The total EIRP for all carriers will be 42 dBW.

The 24x7 contact information for the requested operations 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.

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<sup>1</sup> IntelSat has filed this STA request, an FCC Form 159, and a \$210.00 filing fee electronically via the International Bureau’s Filing System.

<sup>2</sup> See *Policy Branch Information; Actions Taken*, Report No. SAT-00345, File No. SAT-RPL-20051118-00233 (Mar. 3, 2006) (Public Notice).

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In further support of this request, Intelsat attaches Exhibit A, a Radiation Hazard Report. In the extremely unlikely event that harmful interference should occur due to transmissions to or from its antenna, Intelsat will take all reasonable steps to eliminate the interference.

The proposed temporary operation of this new antenna will help provide new services to customers in the future. Accordingly, grant of this STA request is in the public interest.

Sincerely,

*/s/ Cynthia J. Grady*

Cynthia J. Grady  
Senior Counsel  
Intelsat US LLC

cc: Paul Blais  
Anthony Asongwed