

October 3, 2017

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

Re: Request for Further Extension of Special Temporary Authority
18-inch Ku-band Vehicle-mounted Earth Station Antenna
Call Sign E170121

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests an additional 30 days of Special Temporary Authority (“STA”)¹ previously granted Intelsat to utilize a vehicle-mounted 18-inch Rantec Airborne SATCOM terminal² to communicate with Intelsat 29e (S2913) while the vehicle is in motion in Maryland, Virginia, North Carolina, South Carolina, Georgia, and Florida in order to test a new product. All testing will continue to occur on the ground and will continue to be performed in the following frequency bands: 14.0-14.5 GHz and 11.7-12.2 GHz.

This antenna is the subject of a pending Intelsat Earth Stations Aboard Aircraft application and, as noted therein, has previously been authorized by the Federal Communications Commission (“Commission”)³ for various experimental operations.

In support of this further extension request, Intelsat incorporates by reference, Exhibit A, a radiation hazard analysis report submitted with its original STA request. Additionally, Intelsat will not operate within 125 km of any TDRSS sites. In order to minimize any potential interference, operations under this STA extension will continue to conform to the Commission’s Part 25 Vehicle-Mounted Earth Stations rules.

¹ 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”).

² See *Satellite Communications Services Information; Actions Taken*, Report No. SES-01991, File No. SES-STA-20170830-00968 (Sep. 13, 2017) (Public Notice); *Satellite Communications Services Information; Actions Taken*, Report No. SES-01977, File No. SES-STA-20170706-00739 (July 26, 2017) (Public Notice).

³ See *Satellite Communications Services; Satellite Radio Applications Accepted For Filing*, File No. SES-LIC-20170626-00682 (Aug. 2, 2017) (Public Notice).

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Grant of this STA further extension request will allow Intelsat to continue testing a new product. This, in turn, will help provide customer service and thereby promotes the public interest.

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

Respectfully submitted,

/s/ Cynthia J. Grady

Cynthia J. Grady
Regulatory Counsel
Intelsat Corporation

cc: Paul Blais