

January 24, 2018

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

Re: Request for Special Temporary Authority
Smiths Interconnect KuStream® 1500 Ku-band Vehicle-Mounted Earth Station Antenna

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests Special Temporary Authority (“STA”)¹ for 30 days commencing February 26, 2018, to utilize a vehicle-mounted Smiths Interconnect KuStream® 1500 terminal to communicate with Intelsat 29e (call sign S2913) while the vehicle is in motion in Maryland, Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida to test a new product. All testing will occur on the ground and will be performed in the following frequency bands: 14.0-14.5 GHz and 11.7-12.2 GHz.

The Federal Communications Commission (“FCC” or “Commission”) has previously authorized Intelsat to operate the Smiths Interconnect KuStream® 1500 terminal—then known as the TECOM KuStream® 1500 terminal—to provide advanced mobile broadband services to aircraft using Ku-band frequencies under an earth stations aboard aircraft blanket license (call sign E170121).² The Commission has also granted Intelsat STA to operate a separate vehicle-mounted Ku-band terminal, the 18-inch Rantec Airborne SATCOM terminal, to communicate with Intelsat 29e in Maryland, Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida while the vehicle is in motion.³

In further support of this request, Intelsat attaches a radiation hazard analysis report as Exhibit A. Additionally, Intelsat will not operate within 125 km of any Tracking and Data Relay Satellite System

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

² See *Policy Branch Information; Actions Taken*, Public Notice, Report No. SES-01999, Call Sign E170121, IBFS File No. SES-LIC-20170626-00682 (Oct. 11, 2017).

³ See *Policy Branch Information; Actions Taken*, Public Notice, Report No. SES-01977, Call Sign E170121, IBFS File No. SES-STA-20170706-00739 (July 26, 2017); *Policy Branch Information; Actions Taken*, Public Notice, Report No. SES-01991, Call Sign E170121, IBFS File No. SES-STA-20170830-00968 (Sept. 13, 2017); *Policy Branch Information; Actions Taken*, Public Notice, Report No. SES-01999, Call Sign E170121, IBFS File No. SES-STA-20171003-01105 (Oct. 11, 2017); *Policy Branch Information; Actions Taken*, Public Notice, Report No. SES-02007, Call Sign E170121, IBFS File No. SES-STA-20171031-01226 (Nov. 8, 2017); *Policy Branch Information; Actions Taken*, Public Notice, Report No. SES-02017, Call Sign E170121, IBFS File No. SES-STA-20171204-01302 (Dec. 13, 2017); *Policy Branch Information; Actions Taken*, Public Notice, Report No. SES-02025, Call Sign E170121, IBFS File No. SES-STA-20180103-00007 (Jan. 10, 2018).

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sites. To minimize any potential interference, operations under this STA will conform to the FCC's Part 25 Vehicle-Mounted Earth Stations rules.

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

Please direct any questions regarding this STA request to the undersigned at (703) 559-7848.

Respectfully submitted,

/s/ Susan H. Crandall
Susan H. Crandall
Associate Counsel
Intelsat Corporation

cc: Paul Blais