

February 20, 2018

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

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

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests Special Temporary Authority (“STA”)¹ for 30 days commencing March 20, 2018 to utilize a vehicle-mounted 18-inch Rantec Airborne SATCOM 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 has previously granted Intelsat STA to operate the Rantec Airborne SATCOM terminal (Call Sign E170121)² to communicate with Intelsat 29e in Maryland, Virginia, North Carolina, South Carolina, Georgia, and Florida while the vehicle is in motion.³ In this application, Intelsat requests STA to operate in West Virginia in addition to these six states. Intelsat intends for this STA, upon grant, to replace Intelsat’s existing STA to operate the Rantec terminal while the vehicle is in motion.

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

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 The FCC authorized Intelsat to operate the Rantec Airborne SATCOM terminal to provide advanced mobile broadband services to aircraft using Ku-band frequencies under an earth stations aboard aircraft blanket license. *See Policy Branch Information; Actions Taken*, Public Notice, Report No. SES-01999, File No. SES-LIC-20170626-00682 (Oct. 11, 2017).

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

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

Grant of this STA request will assist Intelsat in 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 request to the undersigned at (703) 559-7848.

Respectfully submitted,

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

cc: Paul Blais