

July 6, 2017

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

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

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests Special Temporary Authority (“STA”)<sup>1</sup> for 30 days commencing August 7, 2017, to utilize a vehicle-mounted 18-inch Rantec Airborne SATCOM terminal 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 occur on the ground and will 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”) for various experimental operations.<sup>2</sup>

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 TDRSS sites. In order 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 allow Intelsat to test a new product. This, in turn, will help provide customer service and thereby promotes the public interest.

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<sup>1</sup> 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”).

<sup>2</sup> See *Application of Intelsat License LLC for a Ku-band Earth Stations Aboard Aircraft (“ESAA”) Blanket License*, File No. SES-LIC-20170626-00682 (filed June 26, 2017) at n.3.

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

Respectfully submitted,

*/s/ Cynthia J. Grady*

Cynthia J. Grady  
Regulatory Counsel  
Intelsat Corporation

cc: Paul Blais