

November 2, 2012

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  
9.2m Ka-band Antenna, Riverside, California

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests Special Temporary Authority (“STA”)<sup>1</sup> for 30 days — from November 15, 2012 through December 14, 2012 — to allow Intelsat to utilize a 9.2m Ka-band antenna located at its Riverside, CA teleport for testing with Intelsat’s Galaxy 28 satellite at 89.0° W.L.

The testing will be performed in the following frequencies: 29.625 GHz (L) and 29.791 GHz (R) (uplink) and 19.825 GHz (L) and 19.991 GHz (L) (downlink). The maximum uplink EIRP per carrier will be 69.2 dBW. Intelsat is coordinating the proposed transmissions with the operators of all co-frequency, co-coverage satellites within plus/minus six degrees of 89.0° W.L. Specifically, Intelsat is coordinating the proposed transmissions with Telesat Canada, the operator of the Nimiq 1 satellite at 91.0° W.L. In the extremely unlikely event that harmful interference should occur, Intelsat will take all reasonable steps to eliminate the interference.

In further support of this request, Intelsat provides the relevant technical parameters in FCC Form 312, Schedule B, which is included as Exhibit A. In addition, Intelsat incorporates by reference the radiation hazard report and antenna gain patterns previously submitted for this antenna.<sup>2</sup>

Grant of this STA request will enable Intelsat to test the 9.2m antenna in anticipation of utilizing the antenna for IOT of a Ka-band satellite to be launched in the near future. This testing therefore will serve the public interest by potentially assisting in providing additional broadband service to consumers in the United States.

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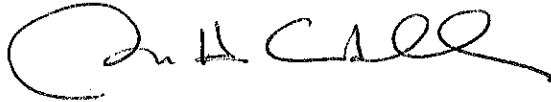
<sup>1</sup> Intelsat has filed its STA request, an FCC Form 159, a \$180.00 filing fee and this supporting letter electronically via the International Bureau’s Filing System (“IBFS”).

<sup>2</sup> See *Satellite Communications Services Information; Actions Taken*, Report No. SES-01231, File No. SES-STA-20091204-01561 (Mar. 31, 2010).

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Please direct any questions regarding this STA request to the undersigned at  
(202) 944-7848.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Susan H. Crandall". The signature is fluid and cursive, with a large initial "S" and "C".

Susan H. Crandall  
Assistant General Counsel  
Intelsat Corporation

cc: Paul Blais