

November 23, 2015

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

Re: Request for Special Temporary Authority to Operate a 9.2m Ka-band Antenna at
Intelsat's Riverside, California Teleport

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests a grant of Special Temporary Authority ("STA")¹ for 30 days, commencing December 15, 2015, to allow Intelsat to utilize a 9.2 meter Ka-band antenna located at its Riverside, California teleport for testing with the Galaxy 28 satellite at (Call Sign S2160) at 89.0° W.L. Intelsat seeks this STA request in order to ensure the readiness of its 9.2m Ka-band antenna to support an upcoming Ka-band Launch and Early Orbit Phase ("LEOP") mission.

The testing will be performed in the following frequencies: 29957 MHz (uplink) and 20157 MHz (downlink). The maximum uplink EIRP per carrier will be 57.5 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 New DBSD Satellite Services G.P., the operator of ICO G1 at 92.85° W.L.; Hughes Network Systems LLC, the operator of SPACEWAY 3 at 94.95° W.L.; and SES, the operator of AMC-16 at 85.0° W.L. Additionally, Intelsat understands that NTIA coordination is required for Government systems in the band 17.7-20.2 GHz. 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.²

Grant of this STA request will enable Intelsat to test the 9.2m antenna in anticipation of utilizing the antenna for LEOP of a Ka-band satellite to be launched in the near future. This testing therefore will serve the public interest by ensuring the safe LEOP of a new Ka-band satellite.

¹ Intelsat has filed this STA request, an FCC Form 159, a \$195.00 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-01231, File No. SES-STA-20091204-01561 (Mar. 31, 2010).

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For the reasons set forth herein, Intelsat respectfully requests that the Commission grant this STA request. Please direct any questions regarding this STA request to the undersigned at (703) 559-6949.

Respectfully submitted,

A handwritten signature in blue ink that reads "Cynthia J. Grady /dj". The signature is written in a cursive style.

Cynthia J. Grady
Regulatory Counsel
Intelsat Corporation

cc: Paul Blais