

December 31, 2009

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



Re: Request for Special Temporary Authority
2.4 m Ka-band Earth Station E040286

Dear Ms. Dortch:

Intelsat North America LLC ("Intelsat") herein requests a grant of Special Temporary Authority ("STA")¹ for 10 days, from January 11, 2010 through January 20, 2010, to utilize its 2.4 m Ka-band earth station, prior to grant of permanent operating authority, to conduct tests with the Spaceway 3 satellite at 94.95° W.L. from Castle Rock, Colorado. The antenna will communicate in the frequency bands 29.5-30 GHz and 19.7-20.2 GHz during the STA period requested herein. Intelsat has a pending application for authority to use this antenna to transmit in these frequencies to Spaceway 3, as well as for authority to operate the antenna on a transportable basis.²

Intelsat plans to use this antenna to allow Hughes Network Systems ("HNS") to test the switching of TT&C services for HNS's Spaceway 3 satellite from the satellite's primary antenna to the smaller E040286 antenna. This testing is being conducted in preparation for the smaller antenna's long-term use as a back-up TT&C antenna for Spaceway 3 in a disaster recovery scenario.

In support of this request, Intelsat incorporates by reference its pending application for authority to use this antenna to transmit in these frequencies on a permanent basis.³ The application contains detailed technical information (in Exhibits A-D) that demonstrates that the operation of the earth station will be compatible with its electromagnetic environment and will not cause harmful interference into any lawfully operating facility. In the extremely unlikely event that harmful interference should occur, Intelsat will take all reasonable steps to eliminate the interference.

¹ Intelsat has filed this STA request, an FCC Form 159, a \$175.00 filing fee and this supporting letter electronically via the International Bureau's Filing System ("IBFS").

² See *Satellite Communications Services; Satellite Radio Applications Accepted for Filing*, Report No. SES-01180, File No. SES-MOD-20091001-01264 (Oct. 7, 2009) (Public Notice).

³ See *id.*

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Grant of this STA request will enable Intelsat to ensure that the antenna will be ready for back-up TT&C operations with Spaceway 3 in the event that HNS is unable to use its primary TT&C antenna. This, in turn, helps ensure satellite safety and continuity of service, which serves the public interest. Intelsat respectfully requests expeditious treatment of this request.

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 the first name "Susan" being more prominent than the last name "Crandall".

Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

cc: Kathym Medley