

May 10, 2011

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



Re: Request for Special Temporary Authority
Napa, California C/Ku-band Earth Station Testing

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority¹ for 180 days to test a 1.2 meter Ku-band antenna.² Specifically, Intelsat intends to communicate with its Galaxy 16 satellite at 99.0° W.L. in the following frequencies: 14002-14038 MHz (uplink) and 11702-11738 MHz (downlink).³ During the testing, the antenna will be located at Intelsat’s Napa, California teleport.

Intelsat seeks to test the feasibility of the antenna for certain services. Because the proposed testing will assist Intelsat in meeting customer demand for service, grant of this STA request is in the public interest.

In support of this request, Intelsat is attaching Exhibit A, which contains information showing 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. Specifically, Annex 1 and Section a) of Annex 2 of Exhibit A provide the characteristics of the proposed transmissions. The transmitted eirp density of -25.8 dBW/4 kHz will be less than the value of -14 dBW/4kHz at which the antenna complies with Section 25.218 of the FCC's rules, according to the statement provided by the antenna manufacturer and reproduced in Section b), Annex 2 of Exhibit A.

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 The Ku-band antenna that will be tested is mounted on the back of a 2.4 meter C-band antenna, with a switchable feed. Intelsat intends to seek separate authority to utilize the C-band antenna portion of this combined device.

³ Intelsat is simultaneously filing a 30-day STA request in order to begin testing on May 25, 2011.

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The radiation levels generated by the antenna will be within safety limits, according to a statement provided by the antenna manufacturer and reproduced in Section c), Annex 2 of Exhibit A. In the extremely unlikely event that harmful interference should occur, Intelsat will take all reasonable steps to eliminate the interference.

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