

May 28, 2014

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



Re: Request for Special Temporary Authority
Plano, Texas Ku-band Earth Station Testing

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority¹ for 30 days, commencing June 16, 2014, to test a 1.8 meter Ku-band antenna. Specifically, Intelsat intends to communicate with its Galaxy 25 satellite at 93.0° W.L. in the following frequencies: 14063-14117 MHz (uplink) and 11763-11817 MHz (downlink). During the testing, the antenna will be located at an Ericsson plant in Plano, Texas.

Intelsat seeks this STA in order to test the feasibility of the antenna for two new cellular backhaul services for the customer. 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 Exhibits A and B, which contain 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, Exhibit A provides the characteristics of the proposed transmissions. The maximum input power spectral density of -15.8 dBW/4 kHz will be less than the value of -14 dBW/4kHz at which the antenna complies with Section 25.212 of the FCC's rules. The radiation levels generated by the antenna will be within safety limits, as evidenced by the radiation hazard report attached as Exhibit B. 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 \$180.00 filing fee and this supporting letter electronically via the International Bureau’s Filing System (“IBFS”).

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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", written in a cursive style.

Susan H. Crandall
Associate General Counsel
Intelsat Corporation

cc: Paul Blais