

September 11, 2014

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

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

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests an additional 30 days—from September 17, 2014 through October 16, 2014—of the Special Temporary Authority (“STA”)<sup>1</sup> previously granted Intelsat to test a 1.8 meter Ku-band antenna located at an Ericsson plant in Plano, Texas.<sup>2</sup> Specifically, Intelsat intends to continue communicating with its Galaxy 25 satellite at 93.0° W.L. in the following frequencies: 14063-14117 MHz (uplink) and 11763-11817 MHz (downlink).

Intelsat seeks this STA further extension in order to continue testing the feasibility of the antenna for two new cellular backhaul services for the customer. Because further testing will continue to assist Intelsat in meeting customer demand for service, grant of this STA further extension request is in the public interest.

In support of this further extension request, Intelsat incorporates by reference the Exhibits A and B submitted with its original STA request, 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.

---

<sup>1</sup> Intelsat has filed this STA request, an FCC Form 159, and a \$195.00 filing fee electronically via the International Bureau's Filing System.

<sup>2</sup> See *Satellite Communications Services Information; Actions Taken*, Report No. SES-01675, File No. SES-STA-20140813 (Aug. 20, 2014) (Public Notice); *Satellite Communications Services Information; Actions Taken*, Report No. SES-01665, File No. SES-STA-20140710-00594 (July 16, 2014) (Public Notice); *Satellite Communications Services Information; Actions Taken*, Report No. SES-01654, File No. SES-STA-20140528-00388 (June 11, 2014) (Public Notice).

Ms. Marlene H. Dortch  
September 11, 2014  
Page 2

Please direct any questions regarding this STA further extension request to the undersigned at  
(703) 559-6949.

Respectfully submitted,

A handwritten signature in blue ink that reads "Cynthia J. Grady". The signature is written in a cursive style with a large initial "C".

Cynthia J. Grady  
Regulatory Counsel  
Intelsat Corporation

cc: Paul Blais