

December 16, 2016

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

Re: Request for Special Temporary Authority to Utilize a 9.2 meter Riverside, California Ka-band Antenna to In-orbit Test the StarOne-D1 Satellite

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)¹ for 30 days, commencing January 26, 2017, to utilize a 9.2 meter Riverside, California antenna to conduct in-orbit testing (“IOT”) of the Ka-band payload of the StarOne-D1 satellite at 84.0° W.L. in the following frequency bands:

27.20-29.35 GHz (uplink) and
18.10-20.20 (downlink)

StarOne-D1 is currently scheduled to be launched on December 21, 2016. The Ka-band portion of IOT is expected to begin no earlier than January 26, 2017, and to take eight days.²

In support of its request, Intelsat attaches Exhibits A and B, which contain technical information 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 terrestrial facility, and a waiver request. Intelsat notes that the maximum power level to be used in the StarOne-D1 IOT will be 19.6 dBW/4 kHz dBW.³ In the extremely unlikely event that harmful interference should occur due to transmissions to or from its earth station, Intelsat will take all reasonable steps to eliminate the interference.

¹ Intelsat has filed this STA request, an FCC Form 159, and \$200.00 filing fee electronically via the International Bureau's Filing System.

² Intelsat is seeking authority for 30 days to accommodate possible launch or testing delays. Intelsat understands that the StarOne-D1 satellite is licensed by Brazil.

³ SSL is responsible for coordinating the StarOne-D1 Ka-band IOT.

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The IOT of StarOneD1's Ka-band payload at 84.0° W.L. is a critical step in ensuring that the payload will be fully operational. Accordingly, grant of this STA request will promote the public interest.

For the reasons set forth herein, Intelsat respectfully requests that the Commission grant this request.

Sincerely,

/s/ Cynthia J. Grady

Cynthia J. Grady
Regulatory Counsel
Intelsat Corporation

cc: Paul Blais