



INTELSAT.

Envision. Connect. Transform.

November 27, 2018

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

Re: Request for Special Temporary Authority to Operate Intelsat 16 at 76.2° W.L. with New Beam Coverage; Call Sign: S2750

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests grant of Special Temporary Authority (“STA”)¹ for 30 days, commencing December 17, 2018, to temporarily operate Intelsat 16’s (S2750) Ku-band beam over a new coverage area in the communications frequencies 14000-14500 MHz and 11700-12200 MHz in order to conduct a customer test. The proposed test is expected to take approximately 3-6 months and a coverage map of the new beam coverage is enclosed as Exhibit A. Intelsat will also be filing a 180-days STA for this testing.

Intelsat 16 is permanently licensed to operate at 76.2° W.L. with a different beam coverage than the beam coverage proposed herein.² The satellite’s Ku-band beam will be biased in order to achieve the new coverage. Intelsat’s proposed operation of Intelsat 16 will conform to existing coordination agreements and the FCC’s rules governing operations vis-à-vis adjacent locations.

¹ Intelsat has filed this STA request, an FCC Form 159, and a \$980.00 filing fee electronically via the International Bureau’s Filing System.

² See *Policy Branch Information; Actions Taken*, Report No. SAT-01334, File No. SAT-MOD-20180424-00029 (July 27, 2018) (Public Notice).

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The temporary operation of Intelsat 16's Ku-band beam with a different coverage than authorized by its current license will help test a customer's service. Accordingly, grant of this STA request is in the public interest.

Sincerely,

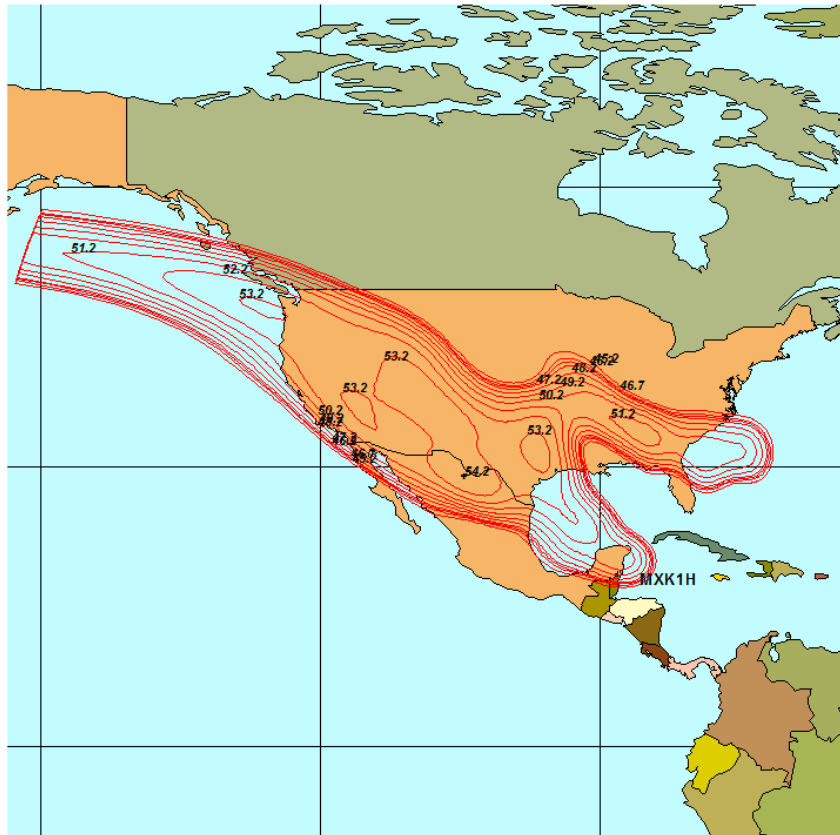
/s/ Cynthia J. Grady

Cynthia J. Grady
Senior Counsel
Intelsat US LLC

Attachment

Cc: Stephen Duall
Jay Whaley
Cindy Spiers

Exhibit A: Intelsat 16 Proposed Beam Coverage



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Intelsat 16 @ 283.8°E
 Ku-Band Mexico H1
 Transmit Coverage

Beam Pointing: 1.67°E 2.00°N
 Rotation Angle: 9.00°CW

Contours	EIRP [dBW]
Beam Peak (0.0)	54.2
-1.0	53.2
-2.0	52.2
-3.0	51.2
-4.0	50.2
-5.0	49.2
-6.0	48.2
-7.0	47.2
-7.5	46.7
-8.0	46.2
-9.0	45.2

Beam Edge EIRP values from IESS-410 Rev 8B.
 Nominal Beam Peak EIRP and contour values
 (dB from B.E.) derived from ACP 202 Rev 6.10.