



May 3, 2023

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
45 L Street NE
Washington, DC 20554

Re: Request for Extension of Special Temporary Authority to Bias Horizons 2 at
73.8° W.L.; Call Sign: S2423

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests an additional 30 days of Special Temporary Authority ("STA")¹ previously granted to Intelsat to bias Horizons 2 (S2423) to 1.0° E, 0.0° N and operate the satellite over the resulting new coverage area in order to meet new customer coverage demands.²

Horizons 2 is permanently licensed to operate at 73.8° W.L. in 11.7-12.2 GHz (space-to-Earth) and 14.0-14.5 GHz (Earth-to-space) with a different bias and beam coverage than requested herein.³ Horizons 2 has two beams, the North America Ku beam and the East Coast North America V, and Intelsat is requesting continued authority to change the coverage of the East Coast North America V beam through the platform bias. The resulting beam coverage is provided in Exhibit A. Specifically, the beam coverage for (1) the steerable North America Ku beam is +/-2° off the platform bias, which roughly overlaps the currently licensed coverage area;⁴ and (2) the East Coast North America V is enclosed as Exhibit A.

Intelsat's continued operations will conform to all applicable coordination agreements and the Federal Communications Commission's rules governing operations vis-à-vis adjacent locations.

¹ Intelsat has filed this STA request, an FCC Form 159, and a \$1,600.00 filing fee electronically via the International Bureau's Filing System.

² See *Satellite Policy Branch Information; Actions Taken*, Report No. SAT-01717, File No. SAT-STA-20230403-00069 (Apr. 14, 2023) (Public Notice).

³ See *Satellite Policy Branch Information; Actions Taken*, Report No. SAT-01485, File No. SAT-MOD-20200114-00009 (July 31, 2020) (Public Notice).

⁴ The North America Ku beam will not be affected by the platform re-biasing requested herein. For administrative ease, Intelsat requests that the North America Ku beam coverage previously granted also be reflected in the grant of this STA extension. See, e.g., *Satellite Policy Branch Information; Actions Taken*, Report No. SAT-01709, File No. SAT-STA-20230303-00047 (Mar. 17, 2023) (Public Notice).

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The continued operations will allow Intelsat to meet changing customer service needs. Accordingly, grant of this STA extension request is in the public interest.

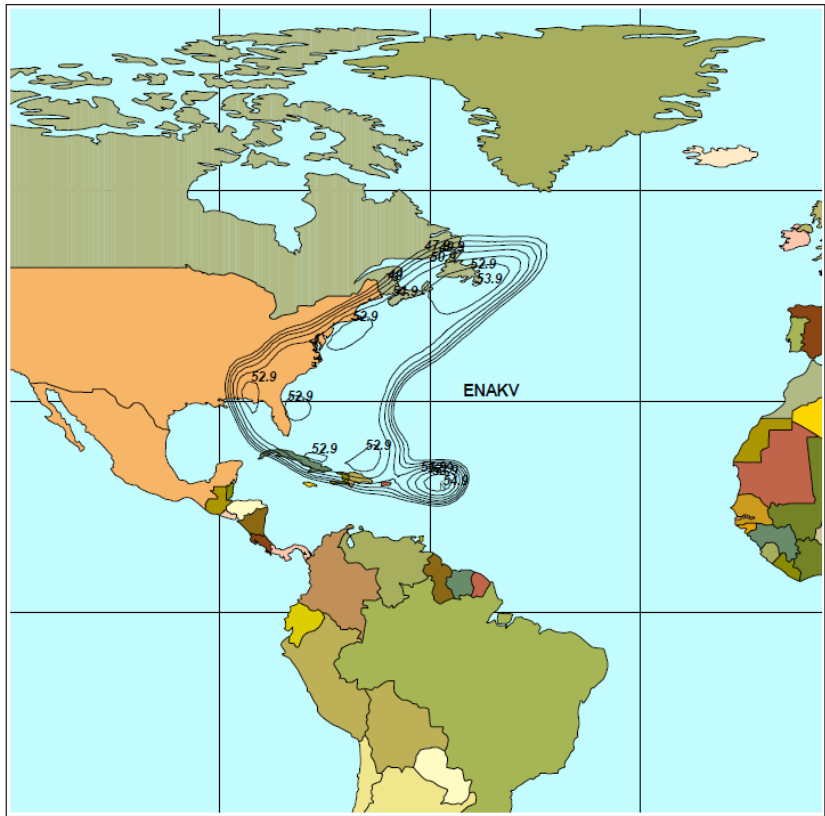
Please direct any questions regarding this STA extension request to the undersigned at (703) 559-6949.

Respectfully submitted,

/s/ Cynthia J. Grady
Cynthia J. Grady
Assistant General Counsel
Intelsat US LLC

cc: Merissa Velez
Jennifer Balatan

Exhibit A
Horizons 2 Ku-band Beam Coverage



INTELSAT.

Horizons 2 @ 73.6°W
Ku-Band East Coast North America V
Transmit Coverage

Platform Bias: 1.00°E 0.00°N
Yaw: 0.00°

Contours	EIRP [dBW]
Beam Peak (0.0)	54.9
-1.0	53.9
-2.0	52.9
-3.0	51.9
-4.0	50.9
-5.0	49.9
-5.9	49.0
-7.0	47.9

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.