



June 1, 2023

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

Re: Request for Further 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 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 platform 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 beam; 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; and (2) the East Coast North America V beam 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.

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

¹ Intelsat has filed this STA request, an FCC Form 159, and a \$1,600.00 filing fee electronically.

² See *Satellite Licensing Division Information; Actions Taken*, Report No. SAT-01717, File No. SAT-STA-20230403-00069 (Apr. 14, 2023) (Public Notice). See also Intelsat License LLC, Request for Special Temporary Authority, File No. SAT-STA-20230503-00102 (filed May 3, 2023).

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

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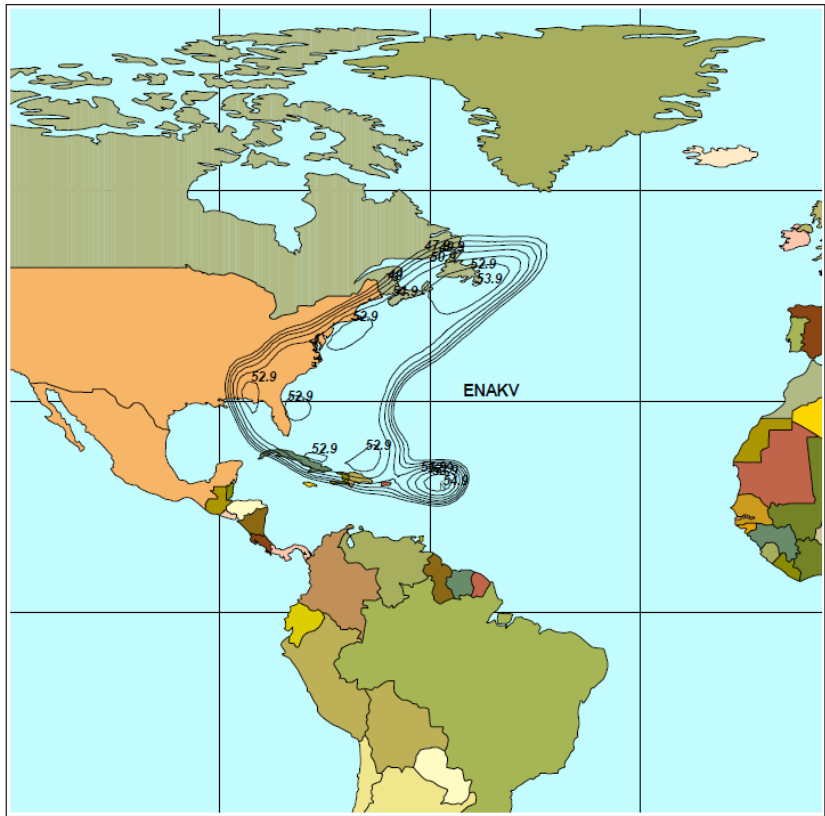
Please direct any questions regarding this further STA extension request to the undersigned at (703) 559-6949.

Respectfully submitted,

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

cc: Merissa Velez
Jennifer Balatan
Stephen Duall
Jay Whaley

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.