

April 3, 2023

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

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

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests 30 days of Special Temporary Authority ("STA"),<sup>1</sup> commencing April 8, 2023, 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.

Pursuant to STA the satellite is currently providing service at 73.8° W.L. with a 0.2° E, 0.4° S bias.<sup>2</sup> 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 the aforementioned STA or that requested herein.<sup>3</sup> Horizons 2 has two beams, the North America Ku beam and the East Coast North America V, and Intelsat is seeking to change the coverage of the East Coast North America V beam through the proposed platform bias. The resulting beam coverage is provided in Exhibit A. Specifically, the proposed beam coverage for (1) the steerable North America Ku beam is +/-2° off the platform bias, which roughly overlaps the currently licensed coverage area;<sup>4</sup> and (2) the East Coast North America V is enclosed as Exhibit A.

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

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

<sup>2</sup> See, e.g., *Satellite Policy Branch Information; Actions Taken*, Report No. SAT-01709, File No. SAT-STA-20230303-00047 (Mar. 17, 2023) (Public Notice) ("*Horizons 2 STA*") (extending previously granted authority to operate Horizons 2 over a new coverage area).

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

<sup>4</sup> 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 granted in the *Horizons 2 STA* also be reflected in the grant of this STA. See *supra* n. 2.

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

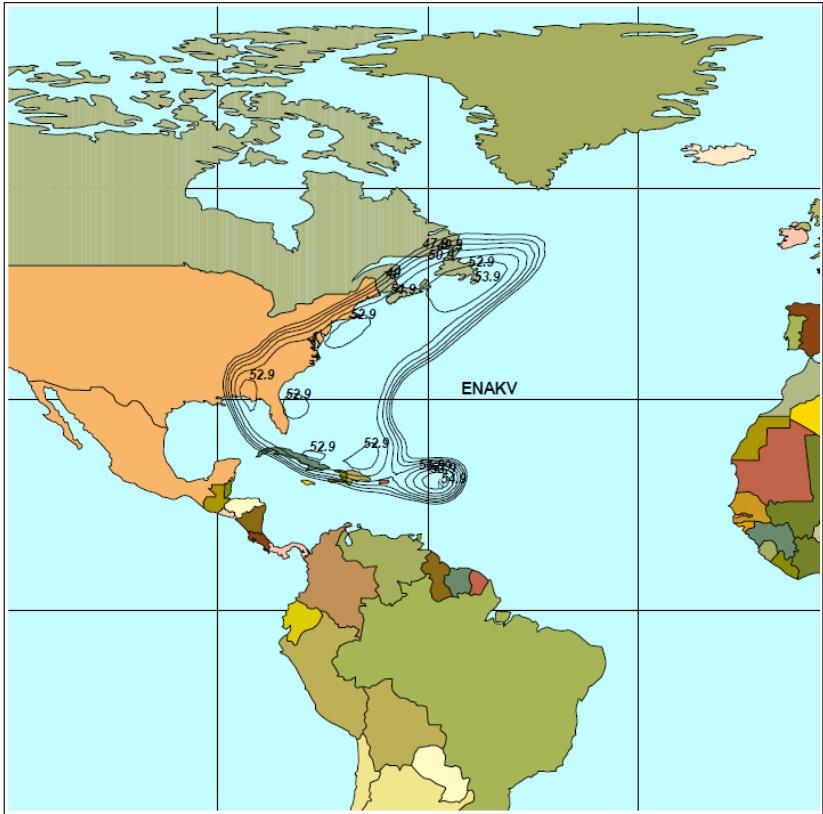
Please direct any questions regarding this STA request to the undersigned at (703) 559-6949.

Respectfully submitted,

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

cc: Merissa Velez

**Exhibit A**  
**Horizons 2 Proposed Ku-band Beam Coverage**



**INTELSAT.**

Horizons 2 @ 73.8°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.