



September 8, 2022

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

Re: Request for Special Temporary Authority
Hagerstown, Maryland Earth Station KA275

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests 30 days of Special Temporary Authority ("STA"),¹ commencing October 8, 2022, to use its Hagerstown, Maryland C-band earth station, Call Sign KA275,² to provide launch and early orbit phase ("LEOP"), in-orbit testing ("IOT"), and telemetry, tracking, and command ("TT&C") services for the Galaxy 33 satellite (Call Sign S3015).³ Galaxy 33 is expected to launch on October 8, 2022.⁴ Intelsat expects the LEOP, IOT, and drift to its final location to last at approximately 60 days.

The Galaxy 33 LEOP operations will be performed at the following frequencies: 6421.50 MHz and 6424.50 MHz in the uplink; and 4198.75 MHz and 4199.75 MHz in the downlink.

The LEOP and drift operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP and drift path.⁵ All operators of satellites in that path will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs. 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.

The 24x7 contact information for the Galaxy 33 LEOP mission is as follows:

Ph.: (703) 559-7701 – East Coast Operations Center (primary)
(310) 525-5591 – West Coast Operations Center (back-up)

Request to speak with Kevin Bell or Glen Jones.

¹ Intelsat has filed its STA request, FCC Form 159, a \$210.00 filing fee, and this supporting letter electronically via the International Bureau's Filing System.

² In support of this request additional antenna and satellite information, a waiver request, and a coordination report are attached as Exhibits A-C, respectively.

³ See *Satellite Policy Branch Information; Actions Taken*, Report No. SAT-01326, File No. SAT-LOA-20170524-00078 (June 29, 2018) (Public Notice).

⁴ The in-orbit testing for Galaxy 33 will be 148.05° W.L.

⁵ Intelsat will handle the coordination.

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Grant of this STA request will allow Intelsat to help launch Galaxy 33, which will provide continuity of service at 133.0° W.L and additional upper C-band capacity in furtherance of the Federal Communications Commission's goal of clearing 3.7-4.0 GHz. Grant of this request will thereby promote the public interest.

Please direct any questions regarding this STA request to the undersigned at (703) 559-7799.

Respectfully submitted,

/s/ W. Ray Rutngamlug
W. Ray Rutngamlug
Assistant General Counsel
Intelsat US LLC

cc: Franco Hinojosa
Kerry Murray

EXHIBIT A

Intelsat's Request for STA to provide LEOP for Galaxy 33

Earth Station Call Sign	KA275
Antenna Size (m)	19.2
Transmit Frequencies (MHz)	6421.50, 6424.50
Receive Frequencies (MHz)	4198.75, 4199.75
Emission Designator	1M0F2D
Polarization	Linear
Bandwidth	1 MHz
Transmit Gain	59.1 dBi at 6.1750 GHz
Maximum EIRP per Carrier (dBW)	85
Maximum EIRP Density per Carrier (dBW/4 kHz)	61
Site Location	Hagerstown, MD
Latitude/Longitude (NAD83)	39° 35' 54.7" N, 77° 45' 35.3" W
Satellite Point(s) of Communication	Galaxy 33
Satellite Call Sign	S3015
Satellite Type	Geostationary
Satellite Location	n/a