



January 6, 2023

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

Re: Request for Special Temporary Authority
Nuevo, California Earth Station E040125

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests 30 days of Special Temporary Authority ("STA"),¹ commencing January 13, 2023, to use its Nuevo, California C-band earth station, Call Sign E040125, to conduct in-orbit testing ("IOT") with Galaxy 35 (S3143)² at 150.05° W.L. and Galaxy 36 (S3148)³ at 149.95° W.L. Galaxy 35 and Galaxy 36 were launched on December 13, 2022. Intelsat expects the IOT to last approximately 15 days for each satellite.

The proposed IOT will be performed at the following frequency bands:

- 4000.00 MHz-4200.00 MHz (downlink) and
- 5925.00 MHz--6425.00 MHz (uplink).⁴

The 24x7 contact information for the 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 Glen Jones or Mike Ryan.

The proposed operations are being coordinated with all operators of satellites that are potentially affected by these operations at the IOT location.⁵ All operators of potentially affected satellites will be provided with an emergency phone number where the licensee can be reached in the event

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 See *Satellite Policy Branch Information; Space Station Applications Accepted for Filing*, Report No. SAT-01675, File Nos. SAT-RPL-20220414-00041 and SAT-AMD-20221006-00129 (Oct. 21, 2022) (Public Notice). Galaxy 35's final location will be 95.05° W.L.

³ See *Satellite Policy Branch Information; Space Station Applications Accepted for Filing*, Report No. SAT-01664, File No. SAT-LOA-20220607-00058 (Sept. 16, 2022) (Public Notice). Galaxy 36's final location will be 89.0°W.L.

⁴ In support of this request, additional operational information and a coordination report are attached as Exhibits A and B, respectively.

⁵ Intelsat will handle the coordination.

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.

In furtherance of the Federal Communications Commission's goal of clearing 3700-4000 MHz, grant of this STA request will allow Intelsat to help test Galaxy 35 and Galaxy 36 and place the satellites into service, which will provide continuity of service at the 95.05° W.L. and 89.0°W.L. orbital locations, respectively. Grant of this request will thereby promote the public interest.

Please direct any questions the undersigned at (703) 559-7799.

Respectfully submitted,

/s/ W. Ray Rutngamlug

W. Ray Rutngamlug
Associate General Counsel
Intelsat US LLC

cc: Franco Hinojosa

EXHIBIT A

Intelsat License LLC
Intelsat Request for STA to IOT Galaxy 35 and Galaxy 36

Earth Station	E040125
Antenna Size (m)	11.1
Transmit Frequencies (MHz)	5925.00-6425.00
Receive Frequencies (MHz)	4000.00-4200.00
Emission Designator	1M00F2D
Polarization	Linear and Circular
Bandwidth	1 MHz
Transmit Gain	54.8 dBi @ 6.423 GHz
Maximum EIRP per Carrier (dBW)	85.0
Maximum EIRP Density per Carrier (dBW/4 kHz)	61.0
Site Location	Nuevo, CA
Latitude/Longitude (NAD83)	33° 47' 43.4" N, 117° 5' 21.1" W
Satellite Point(s) of Communication	Galaxy 35
Satellite Call Sign	S3143
Satellite Type	Geostationary
Satellite Location	150.05° W.L.
Satellite Point(s) of Communication	Galaxy 36
Satellite Call Sign	S3148
Satellite Type	Geostationary
Satellite Location	149.95° W.L.