



August 19, 2022

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

Re: Request for Expedited Grant of Special Temporary Authority  
Nuevo, California Earth Station E040125  
**Expedited Treatment Requested**

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests 30 days of Special Temporary Authority ("STA"),<sup>1</sup> commencing immediately, to use its Nuevo, California C-band earth station, Call Sign E040125, to communicate with Galaxy 15 (S2387) at power levels higher than authorized by the current license pursuant to a waiver of Section 25.115(a)(6)(i) of the Federal Communications Commission's ("Commission") rules.<sup>2</sup>

Galaxy 15 recently experienced an anomaly which resulted in the loss of commanding.<sup>3</sup> Intelsat is utilizing E040125 as it diligently works to regain satellite commanding on Galaxy 15; as part of this effort, Intelsat requires the use of the antenna at a power higher than the maximum licensed power. The operations will be performed in the following uplink frequencies: 6025.0 MHz, 6165.0 MHz, and 6420.5 MHz in the uplink.

The 24x7 contact information for the proposed operations is: Intelsat's Network Operations Center at +1 404-381-2900. Ask to speak to a supervisor.

The proposed operations will be coordinated with all potentially affected satellite operators. All potentially affected satellite operators will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs. In the 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.

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<sup>1</sup> 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.

<sup>2</sup> 47 C.F.R. § 25.115(a)(6)(i).

<sup>3</sup> See Intelsat License LLC, Request for Special Temporary Authority for Galaxy 15, IBFS File No. SAT-STA-20220818-00087 (filed Aug. 18, 2022). The satellite is currently drifting eastward.

Grant of this STA request is in the public interest. The Commission may grant a waiver for good cause shown.<sup>4</sup> The Commission typically grants a waiver where the particular facts make strict compliance inconsistent with the public interest.<sup>5</sup> In granting a waiver, the Commission may take into account considerations of hardship, equity, or more effective implementation of overall policy on an individual basis.<sup>6</sup> Waiver is therefore appropriate if special circumstances warrant a deviation from the general rule, and such a deviation will serve the public interest.

Good cause exists in this case based on hardship. Due to a sudden loss of commanding, Galaxy 15 began drifting eastward outside of its station-keeping box on August 18, 2022. As part of its attempts to regain commanding of the satellite, Intelsat needs to utilize the antenna at power levels higher than it is currently licensed for. Intelsat will take all practicable steps to ensure safe operation of the earth station and avoid causing harmful interference, including by contacting licensed operators that could be impacted by the proposed operations.

Intelsat requests that the STA sought herein commence immediately. The sudden loss of satellite commanding was unforeseen and is the type of extraordinary event that makes grant of an STA on less than three working days' advance notice appropriate.<sup>7</sup>

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: Franco Hinojosa  
Kerry Murray  
Karl Kensinger

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<sup>4</sup> 47 C.F.R. § 1.3.

<sup>5</sup> *N.E. Cellular Tel. Co. v. FCC*, 897 F.2d 1164, 1166 (D.C. Cir. 1990) (“*Northeast Cellular*”).

<sup>6</sup> *WAIT Radio v. FCC*, 418 F.2d 1153, 1159 (D.C. Cir. 1969); *Northeast Cellular*, 897 F.2d at 1166.

<sup>7</sup> See 47 C.F.R. § 25.120(a).

## EXHIBIT A

### Antenna

|                              |                                                      |
|------------------------------|------------------------------------------------------|
| Antenna size (m)             | 11.0                                                 |
| Transmit Frequencies (MHz)   | 6025.0, 6165.0, and 6420.5                           |
| Receive Frequencies (MHz)    | 3800.0, 3940.0, 4198.0, and 4199.875                 |
| Polarization                 | Linear, CP                                           |
| Transmit Gain                | 54.8 dBi at 6.423 GHz                                |
| Bandwidth                    | 1 MHz, 1 KHz                                         |
| Emission Designators         | 1M0F2D, 1K00N2N                                      |
| MAX EIRP per Carrier         | 88 dBW                                               |
| MAX EIRP Density per Carrier | 64 dBW/4 KHz (for 1 MHz)<br>94 dBW/4 KHz (for 1 KHz) |
| Site Location                | Nuevo, CA                                            |
| Latitude (NAD83)             | 33° 47' 43.6" N                                      |
| Longitude (NAD83)            | 117° 5' 20.4" W                                      |

### Point(s) of Communication

|                  |               |
|------------------|---------------|
| Satellite        | Galaxy 15     |
| Call Sign        | S2387         |
| Satellite Type   | Geostationary |
| Orbital Location | n/a           |