September 15, 2022

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

Re: Request for Three Days of Special Temporary Authority
Haleiwa, Hawaii Earth Station E210007

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests three days of Special Temporary Authority ("STA"),[1] commencing October 5, 2022, to use its Haleiwa, Hawaii C-band earth station, Call Sign E210007, to provide operate telemetry, tracking, and command ("TT&C") during launch and early orbit phase ("LEOP") of Galaxy 34 (S3083).[2] Galaxy 34 is now expected to launch no earlier than October 5, 2022. Intelsat is seeking three days of STA to accommodate a three-day advance in the earliest possible launch date.[3]

Intelsat has already requested 180 days of STA, beginning October 8, 2022, to use E210007 to provide TT&C during the LEOP; in-orbit testing ("IOT") at 147.95° W.L.; and the drift of Galaxy 34 to and at its final location of 129.0° W.L.[4] The three days of STA sought herein augments the 180-day STA request.

The proposed Galaxy 34 TT&C operations will be performed at the following frequencies: 6420.00 MHz and 6423.00 MHz in the uplink; and 4198.25 MHz and 4199.25 MHz in the downlink.

The 24x7 contact information for the proposed operations are 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 *See Satellite Policy Branch Information; Actions Taken*, Report No. SAT-01587, File No. SAT-RPL-20210325-00039 (October 22, 2021) (Public Notice). In support of this request, Intelsat herein attaches Exhibits A and B, which contain additional operational information and a coordination report.

3 Intelsat expects the LEOP to last at approximately 17 days.

4 *See Satellite Communications Services; Satellite Radio Applications Accepted for Filing*, Report No. SES-02493, File No. SES-STA-20220808-00864 (Aug. 24, 2022) (Public Notice).

The proposed operations will be coordinated with all co-frequency operators of satellites that are in the LEOP path or are potentially affected by these operations at the IOT location.[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.

Grant of this STA request will allow Intelsat to support the LEOP of Galaxy 34 if the satellite launches prior to the original earliest possible launch date of October 8, 2022. This, in turn, will ensure continuity of TT&C during the launch of Galaxy 34 and thereby promotes 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
Associate General Counsel
Intelsat US LLC

cc: Kerry Murray
Franco Hinojosa

[5] Intelsat will handle the coordination.

EXHIBIT A

Intelsat's Request for STA to provide LEOP for Galaxy 34

Earth Station Call Sign	E210007
Antenna size (m)	13.2
Transmit Frequencies (MHz)	6420.00, 6423.00
Receive Frequencies (MHz)	4198.25, 4199.25
Emission Designator	1M0F2D
Polarization	Circular
Bandwidth	1 MHz
Transmit Gain	56.8 dBi at 6.2875 GHz
Maximum EIRP per Carrier (dBW)	85
Maximum EIRP Density per Carrier (dBW/4 kHz)	61
Site Location	Haleiwa, HI
Latitude/Longitude (NAD83)	21° 40' 13.7" N, 158° 2' 3.4" W
Satellite Point(s) of Communication	Galaxy 34
Satellite Call Sign	S3083
Satellite Type	Geostationary
Satellite Location	n/a