



August 4, 2022

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

Re: Request for 180 Days of Special Temporary Authority
Haleiwa, Hawaii Earth Station E210007

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests 180 days of Special Temporary Authority ("STA"),¹ commencing October 8, 2022, to use its Haleiwa, Hawaii C-band earth station, Call Sign E210007,² to provide operate telemetry, tracking, and command ("TT&C") during launch and early orbit phase ("LEOP"); in-orbit testing ("IOT") at 147.95° W.L.; and the drift of Galaxy 34 (S3083) to and at its final location of 129.0° W.L.³ Galaxy 34 is expected to launch on October 8, 2022. Intelsat expects the LEOP, IOT, and drift to last at approximately 35 days: 17 days, 4 days, and 14 days, respectively.

The proposed Galaxy 34 TT&C operations will be performed at the following frequencies: 6420.0 MHz and 6423.0 MHz in the uplink; and 4198.25 MHz and 4199.25 MHz in the downlink.

The proposed operations will be coordinated with all co-frequency operators of satellites that are in the LEOP, drift path, or are potentially affected by these operations at the IOT location.⁴ 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.

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 and a coordination report are attached as Exhibits A and B.

³ See *Satellite Policy Branch Information; Actions Taken*, Report No. SAT-01587, File No. SAT-RPL-20210325-00039 (October 22, 2021) (Public Notice).

⁴ Intelsat will handle the coordination.

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.

Grant of this STA request will allow Intelsat to launch, test, drift, and safely station-keep Galaxy 34. This, in turn, will provide continuity of service at 129.0° W.L and additional upper C-band capacity in furtherance of the Federal Communications Commission's goal of clearing 3.7-4.0 GHz.⁵ Grant of this request will thereby promote 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 See *Expanding Flexible Use of the 3.7 to 4.2 GHz Band, Report and Order and Order of Proposed Modification*, 85 Fed. Reg. 22804, ¶¶ 149-151 (Apr. 23, 2020)

EXHIBIT A

Antenna

Antenna size (m)	13.2
Transmit Frequencies (MHz)	6420.0 6423.0
Receive Frequencies (MHz)	4198.25 4199.25
Polarization	Circular
Bandwidth (MHz)	1
Transmit Gain	56.8 dBi at 6.2875 GHz
MAX EIRP per Carrier	85 dBW
MAX EIRP Density per Carrier	61dBW/4 KHz
Site Location	Haleiwa, HI
Latitude (NAD83)	21° 40' 13.7" N
Longitude (NAD83)	158° 2' 3.4" W

Point(s) of Communication

Satellite	Galaxy 34
Call Sign	S3083
Satellite Type	Geostationary
Orbital Location	129° W.L.