



April 6, 2023

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

Re: Request for 30 Days of Special Temporary Authority to Operate Two Get SAT Lesa Flat Panel Antennas

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests 30 days of Special Temporary Authority ("STA"),¹ commencing May 5, 2023, to operate two 0.34m Get SAT Lesa Ku-band flat panel antennas while vehicle mounted in Tampa, Florida and Ft. Bragg, North Carolina for stationary and in-motion² testing and customer demonstrations.³ Intelsat expects the testing and demonstrations to occur over a six month period.

During the proposed operations, the antennas will communicate with the Galaxy 3C, Galaxy 11, Galaxy 18, Intelsat 37e, Intelsat 40e, and SKY-B1 geostationary satellites and with SpaceX's non-geostationary orbit satellite system in the 11.7-12.2 GHz and 14.0-14.5 GHz frequency bands.

The 24x7 contact information for the proposed operations is: Tony Williams at (404) 381-2744.

In the extremely unlikely event that harmful interference should occur due to transmissions to or from its antennas, Intelsat will take all reasonable steps to eliminate the interference.

The proposed operations will enable Intelsat to test and demonstrate new equipment. Accordingly, grant of this STA is in the public interest.

Respectfully submitted,

/s/ Cynthia J. Grady
Cynthia J. Grady
Assistant General Counsel
Intelsat US LLC

cc: Franco Hinojosa

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

² Operations while in motion will be limited to a parking lot on private property.

³ In further support of this request, additional operational information is attached as Exhibit A and a Radiation Hazard Report as Exhibit B.

EXHIBIT A

Intelsat License LLC Request for Special Temporary Authority to Operate Two Ku-band Antennas

Antenna Description	Get SAT Lesa
Antenna Size (m)	0.34 x 0.30
Transmit Frequencies (MHz)	14000-14500
Receive Frequencies (MHz)	11700-12200
Emission Designator(s)	4M00G7W and 2M00G7W
Polarization	Linear
Bandwidth(s)	4 MHz and 9 MHz
Transmit Gain	34.15dB @ 14.25 GHz
Maximum EIRP per Carrier (dBW)	46.5
Maximum EIRP Density per Carrier (dBW/4 kHz)	-14
Site Location 1: Latitude/Longitude (WGS84)	Tampa, Florida 27° 56' 26.07" N, 82° 27' 20.53" W
Site Location 2: Latitude/Longitude (WGS84)	Ft. Bragg, North Carolina 35° 7' 55.0" N, 78° 59' 33.7" W
Satellite Points of Communication	Galaxy 3C (S2381) at 94.85° W.L. ¹ Galaxy 11 (S2253) at 93.1° W.L. ² Galaxy 18 (S2733) at 123.0° W.L. Intelsat 37e (S2972) at 18.0° W.L. Intelsat 40e (S3066) at 91.0° W.L. SKY-B1 (S2922) at 43.15° W.L. SpaceX NGSO System (S2983 and S3018)

¹ Galaxy 3C is operating at 94.85° W.L. pursuant to STA; see, e.g., *Satellite Policy Branch Information; Actions Taken*, Report No. SAT-01708, File No. SAT-STA-20230303-00046 (Mar. 10, 2023) (Public Notice).

² Galaxy 11 is operating with different Ku-band coverage than its current license; see, e.g., *Satellite Policy Branch Information; Actions Taken*, Report No. SAT-01661, File No. SAT-STA-20220504-00046 (Aug. 26, 2022) (Public Notice).