

Intelsat License LLC
Request for Extension of Special Temporary Authority

Intelsat License LLC (“Intelsat”) herein requests an additional 30 days of Special Temporary Authority (“STA”) to operate five (5) airplane mounted Get Sat Lesa Blade 0.34 x 0.30m Ku-band earth station in motion terminals for testing and demonstrations onboard aircraft within the United States and its territories and in-flight in the Pacific Ocean region.

Specifically, Intelsat requests STA consistent with the scope of authority previously granted and extended by the Federal Communication’s Commission,¹ as described in Intelsat’s original request and associated grant, attached herein for reference as Attachments A and B, respectively. Grant of this STA extension is in the public interest because it will allow Intelsat to continue to test and demonstrate new equipment.

Respectfully submitted,

/s/ Daniel C.H. Mah

Daniel C.H. Mah

Vice President, Legal & Regulatory Affairs
SES Americom, Inc.

cc: Franco Hinojosa

¹ See *Intelsat License LLC Request for 30-day STA*, Stamp Grant, ICFS File No. SES-STA-20250821-00921 (granted Sept. 30, 2025); see also *Intelsat License LLC Request for 30-day STA*, Stamp Grant, ICFS File No. SES-STA-20260316-00646 (granted Mar. 20, 2026) (extension of previously granted STA through April 18, 2026).



Cynthia J. Grady
Assistant General Counsel

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

21 August 2025

Subject: **Request for Special Temporary Authority
0.34 x 0.30 m Ku-band antennas**

Dear Ms. Dortch,

Intelsat License LLC ("Intelsat") herein requests 30 days of Special Temporary Authority ("STA"),¹ commencing upon grant but no later than August 27, 2025, to operate five (5) airplane mounted Get SAT Lesa Blade 0.34 m x 0.30 m Ku-band earth station in motion ("ESIM") terminals with geostationary orbit and non-geostationary orbit ("NGSO") fixed-satellite service system satellites for testing and demonstrations.² The requested operations will occur while on the tarmac and in-flight within the United States and U.S. territories, and in-flight in the Pacific Ocean region. Intelsat tentatively expects the operations to occur during a three-month period.

The requested operations will be performed in the following frequency bands: 14.0-14.5 GHz (uplink) and 10.7-12.2 GHz (downlink) with the Galaxy 3C (S2381), Galaxy 18 (S2733), Horizons 3e (S2947), Intelsat 37e (S2972), Intelsat 40e (S3066), SKY-B1 (S2922), and SpaceX's NGSO constellation (S2983/S3018).³ In support of this request, Intelsat herein attaches Exhibits A-C.

The 24x7 contact information for the proposed testing is: Intelsat Network Operations Center, Ph.: (404) 381-2820.

¹ Intelsat has filed its STA request, an FCC Form 159, a \$220.00 filing fee, and this supporting letter electronically via the International Communications Filing System.

² The proposed aeronautical operations will confirm with the coordination agreement between Intelsat and National Aeronautics and Space Administration (NASA).

³ Intelsat will not operate in the 14.0-14.5 GHz band within 125 km of the Federal Tracking and Data Relay Satellite System sites specified in 47 CFR 25.228(j)(1). Additionally, none of Intelsat's proposed operations will be within line-of-sight of active Federal sites as identified in footnote US113 of the U.S. Table of Frequency Allocations.



In the extremely unlikely event that harmful interference should occur due to transmissions to or from its antenna, 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 request is in the public interest.

Respectfully submitted,

/s/ Cynthia J. Grady
Cynthia J. Grady
Assistant General Counsel

cc: Franco Hinojosa

EXHIBIT A

Intelsat License LLC
Request for Special Temporary Authority

Antenna Manufacturer and Model	Get SAT Lesa Blade Ku air
Antenna Size (m)	0.34 x 0.30
Transmit Frequencies (GHz)	10.7-12.2
Receive Frequencies (GHz)	14.0-14.5
Polarization	Linear
Bandwidth	4.69 MHz
Transmit Gain	34.15 dBi at 14.25 GHz
Maximum EIRP per Carrier (dBW)	46.5
Maximum EIRP Density per Carrier (dBW/4 kHz)	10.6
Site Location	United States, US territories and the Pacific Ocean region
Satellite Points of Communication	Galaxy 3C (S2381) at 94.85° W.L.
	Galaxy 18 (S2733) at 123.0° W.L.
	Horizons 3e (S2947) at 191.0° 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 constellation (S2983/S3018)

ATTACHMENT TO GRANT
Intelsat License LLC
ICFS File No. SES-STA-20250821-00921

ICFS File No(s):	SES-STA-20250821-00921	GRANTED - With Conditions  Space Bureau
Licensee/Grantee:	Intelsat License LLC	
Call Sign:		
Satellite Name:	Galaxy 3C, Galaxy 18, Horizons 3e, Intelsat 37e, Intelsat 40e, SKY-B1, and SpaceX NGSO Constellation	
Orbital Location: (required station-keeping tolerance)		
Administration:		
Nature of Service:		
Scope of Grant:	Intelsat License LLC ("Intelsat") is granted a 30-day special temporary authority (STA) to operate five (5) 0.34 x 0.30 m airplane mounted Get SAT Lesa Blade Ku-band earth station in motion (ESIM) terminals for testing and demonstrations.	
Service Area(s):	Tarmac and in-flight within the United States and its territories, and in-flight in the Pacific Ocean region	
Frequencies:	Operations will be performed in the following frequency bands: 14.0–14.5 GHz (Earth-to-space) 10.7–12.2 GHz (space-to-Earth)	

Operations under this grant must comport with the legal and technical specifications set forth by the applicant or petitioner and with Federal Communication Commission's rules not waived herein. This grant is also subject to the following conditions:

1. STA operations must not exceed the operational power levels and parameters requested and coordinated.
2. Earth-to-space and space-to-Earth operations under this STA for each satellite shall be limited to frequency and transmission direction combinations listed in the table below:

Satellite	Transmission Direction	Frequency Bands
Galaxy 3C (S2381)	Earth-to-space	14.0–14.5 GHz
	space-to-Earth	11.45–12.2 GHz
Galaxy 18 (S2733)	Earth-to-space	14.0–14.5 GHz

	space-to-Earth	11.7–12.2 GHz
Horizons 3e (S2947)	Earth-to-space	14.0–14.5 GHz
	space-to-Earth	10.85–11.7 GHz
Intelsat 37e (S2972)	Earth-to-space	14.0–14.5 GHz
	space-to-Earth	10.7–11.95 GHz
Intelsat 40e (S3066)	Earth-to-space	14.0–14.5 GHz
	space-to-Earth	10.825–12.2 GHz
SKY-B1 (S2922)	Earth-to-space	14.0–14.5 GHz
	space-to-Earth	10.7–12.2 GHz
SpaceX (S2983/S3018)	Earth-to-space	14.0–14.5 GHz
	space-to-Earth	10.7–12.2 GHz

3. STA operations must use the minimum power level necessary to establish communications links in order to minimize potential interference to licensed users.
4. All operations under this grant of STA must be on an unprotected and non-interference basis (NIB), i.e., Intelsat must not cause harmful interference to and must not claim protection from interference caused to it by any other lawfully operating station.
5. In the event of any harmful interference caused by operations under this grant of STA, Intelsat must immediately cease operations upon notification of such interference. Intelsat must immediately inform the Commission, in writing, of such an event.
6. All operations in the 14.0-14.2 GHz band must be limited to those outside radio line-of-sight of the Federal Tracking and Data Relay Satellite System (TDRRS) sites specified in 47 CFR §25.228(j)(1).
7. All operations in the 14.47-14.5 GHz band must be limited to those outside radio line-of-sight of active Federal sites identified in footnote US113 of the U.S. Table of Frequency Allocations and 47 CFR §25.228(j)(3).
8. The 24/7 point of contact in the United States, with authority and ability to cease all emissions, for this operation is: Intelsat Network Operations Center at +1 (404) 381-2820.

9. STA operations must be in compliance with earth station applicable operations allowed by the space station authorization(s) or grant(s), including all relevant conditions, waivers, and findings therein.

This grant is issued pursuant to section 0.261 of the Commission's rules on delegated authority, 47 CFR § 0.261, and is effective upon release. This STA is authorized pursuant to the Commission's rule 47 CFR § 25.120.

Action Date: 09-30-2025

Term Dates **From:** 10-01-2025

To: 10-30-2025

Approved:

SIGNATURE: