

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 up to 75 0.4m Paradigm Ragno Ku-band antennas in the United States and U.S. territories for testing, demonstrations, and customer service.

Specifically, Intelsat requests STA consistent with the scope of authority previously granted by the Federal Communications 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, demonstrate, and provide customer service with 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*, Updated Stamp Grant, ICFS File No. SES-STA-20260320-00817 (granted March 24, 2026).

ATTACHMENT A

Intelsat License LLC Request for Special Temporary Authority

Intelsat License LLC (“Intelsat”) herein requests 30 days of Special Temporary Authority (“STA”), commencing upon grant but no later than Monday, March 23, 2026, to operate up to 75 0.4m Paradigm Ragno Ku-band antennas in the United States and U.S. territories for testing, demonstrations, and customer service.¹ The operations will occur while the antennas are stationary. Intelsat intends to apply for authority to operate these antennas on a permanent basis.

Specifically, Intelsat is seeking authority to operate in the 14.2-14.5 GHz (Earth-to-space) and 10.7-11.7 GHz, 11.7-12.2 GHz, and 12.2-12.7 GHz (space-to-Earth) frequency bands, communicating the Galaxy 3C (S2381), and Galaxy 16 (S2687), Galaxy 18 (S2733), Horizons 3e (S2947), Intelsat 40e (S3066), SKY-B1 (S2922), and the Amazonas Nexus 6 (S3086) satellites.² Operations will be consistent with each satellite’s respective authorization. The Commission has previously granted identical STAs for the same antennas, frequencies and satellites.³

In the extremely unlikely event that harmful interference should occur due to transmission to or from its earth station, Intelsat will take all reasonable steps to eliminate the interference. The stop buzzer contact for the requested operations is as follows:

24x7 Intelsat Network Operations Center (NOC)
404-381-2900
NOC Director: Angela Wheeler
Address: 2875 Fork Creek Church Road
Ellenwood, GA 30294-1224 USA
Email: angela.wheeler@ses.com
Office: 404-381-2820
Mobile: 202-437-1619

To the extent necessary, Intelsat requests waivers of 47 C.F.R. § 2.106, and Footnote NG52, for the reasons articulated in previous STA requests for these terminals.⁴ Operations will

¹ The operations requested herein are consistent with previous grants of authority for the Paradigm Ragno terminals. *See Intelsat License LLC Request for 30-day STA*, Stamp Grant, ICFS File No. SES-STA-20250605-00878 (granted June 27, 2025); *Intelsat License LLC, Request for 30-day STA*, Stamp Grant, ICFS File No. SES-STA-20250722-00489 (granted Nov. 26, 2025).

² Intelsat incorporates by reference Exhibit B of its original request, which provides a Radiation Hazard report for these terminals. *See Intelsat License LLC Request for 30-day STA*, Exhibit B, ICFS File No. SES-STA-20250605-00878 (filed June 5, 2025) (“Paradigm Ragno STA Request”). Exhibit A, describing the specific technical parameters of the requested operations, is reproduced in this request and provided below.

³ *See supra* n.1.

⁴ Paradigm Ragno STA Request, Narrative at 1-2.

ATTACHMENT A

be conducted under the same technical parameters as the previous STA requests for these terminals.

Grant of the instant STA request will serve the public interest by allowing Intelsat to test, demonstrate, and provide customer service with new equipment.

Respectfully submitted,

/s/ Daniel C.H. Mah

Daniel C.H. Mah

Vice President, Legal & Regulatory Affairs

SES Americom Inc.

on behalf of Intelsat License LLC

cc: Franco Hinojosa

ATTACHMENT A

Exhibit A

Intelsat License LLC Request for Special Temporary Authority

Earth Station	Paradigm Ragno
Antenna Size (m)	.51 x .40 (0.4 equivalent)
Transmit Frequencies	14.2-14.5 GHz
Receive Frequencies	10.7-12.7 GHz
Polarization	Linear
Bandwidth	0.84-4.68 MHz
Transmit Gain	33.5 dBi @ 14.0 GHz 33.81 dBi @ 14.5 GHz
Maximum EIRP per Carrier (dBW)	34.9-42.6
Maximum EIRP Density per Carrier (dBW/4 kHz)	11.87-11.90
Site Location	United States and US territories
Satellite Point(s) of Communication	Galaxy 3C (S2381) at 94.85° W.L. 11.45-11.7 GHz and 14.2-14.5 GHz
	Galaxy 16 (S2687) at 99.0° W.L. 11.7-12.2 GHz and 14.2-14.5 GHz
	Galaxy 18 (S2733) at 123.0° W.L. 11.7-12.2 GHz and 14.2-14.5 GHz
	Horizons 3e (S2947) at 191.0° W.L. 10.85-11.7 GHz, 12.2-12.7 GHz, and 14.2-14.5 GHz
	Intelsat 40e (S3066) at 91.0° W.L. 10.825-12.2 GHz and 14.2-14.5 GHz
	SKY-B1 (S2922) at 43.15° W.L. 10.7-12.2 GHz and 14.2-14.5 GHz
	Amazonas Nexus 6 (S3086) at 61.0° W.L. 10.7-11.45 GHz, 11.7-12.2 GHz, and 14.2-14.5 GHz

ATTACHMENT TO GRANT
Intelsat License LLC
ICFS File No. SES-STA-20260320-00817

ICFS File No(s):	SES-STA-20260320-00817	GRANTED - With Conditions  Space Bureau
Licensee/Grantee:	Intelsat License LLC	
Call Sign:		
Satellite Name:	Galaxy 3C, Galaxy 16, Galaxy 18, Horizons 3e, Intelsat 40e, SKY-B1, Amazonas Nexus	
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 up to seventy-five (75) 0.4m Paradigm Ragno Ku-band satellite antennas to perform testing, demonstrations, and customer service in the United States and U.S. territories.	
Service Area(s):	United States and U.S. territories	
Frequencies:	Operations will be performed in the following frequency bands: 14.2–14.5 GHz (Earth-to-space) 10.7–11.45 GHz (space-to-Earth) 10.95–11.2 GHz (space-to-Earth) 11.45–11.7 GHz (space-to-Earth) 11.7–12.2 GHz (space-to-Earth) 12.2–12.7 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	14.2–14.5 GHz
	space-to-Earth	11.45–11.7 GHz
Galaxy 16 (S2687)	Earth-to-space	14.2–14.5 GHz
	space-to-Earth	11.7–12.2 GHz
Galaxy 18 (S2733)	Earth-to-space	14.2–14.5 GHz
	space-to-Earth	11.7–12.2 GHz
Horizons 3e	Earth-to-space	14.2–14.5 GHz

(S2947)	space-to-Earth	12.2–12.7 GHz
	Earth-to-space	14.2–14.5 GHz
Intelsat 40e (S3066)	space-to-Earth	10.95–11.2 GHz, 11.45–11.7 GHz, and 11.7–12.2 GHz
	Earth-to-space	14.2–14.5 GHz
SKY-B1 (S2922)	space-to-Earth	11.45–11.7 GHz, and 11.7–12.2 GHz
	Earth-to-space	14.2–14.5 GHz
Amazonas Nexus (S3086)	space-to-Earth	10.7–11.45 GHz and 11.7–12.2 GHz
	Earth-to-space	14.2–14.5 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. 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) 381-2900.

7. 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.

8. Waiver of footnote NG52 to the U.S. Table of Frequency Allocations, 47 C.F.R. Section 2.106, NG52, to use the 10.7-11.7 GHz (space-to-Earth) frequency band is granted. This grant is limited to reception from those satellites pursuant to this STA that are authorized to offer domestic services in the 10.7-11.7 GHz band via waiver of footnote NG52, and operations in this band are subject to the conditions, waivers, and findings specified in each space station authorization.

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: 03-24-2026

Term Dates **From:** 03-24-2026 **To:** 04-22-2026

Approved:
SIGNATURE: