ATTACHMENT TO GRANT
SpaceX Services, Inc.
ICFS File No. SES-STA-20260712-02010

ICFS File No(s):	SES-STA-20260712-02010	**GRANTED - With Conditions** **Space Bureau**
Licensee/Grantee:	SpaceX Services, Inc.	
Call Sign:	E250257	
Satellite Name:	Starlink NGSO satellite system (Call Signs S3069 and S2983/S3018)	
Orbital Location: (required station-keeping tolerance)		
Administration:		
Nature of Service:		
Scope of Grant:	SpaceX Services, Inc ("SpaceX Services"), is granted an additional 60-day special temporary authority (STA) to operate its gateway earth station with 40 technically identical 1.85 m antennas to communicate with the Starlink GEN2 non-geostationary orbit (NGSO) satellite system (Call Signs S3069 and S2983/S3018).	
Service Area(s):	43° 9' 58.99" N, 78° 45' 21.42" W in Lockport, NY	
Frequencies:	Operations will be performed in the following frequency bands: 27.5–29.1 GHz (Earth-to-space) 29.5–30.0 GHz (Earth-to-space) 81–86 GHz (Earth-to-space) 17.8–18.6 GHz (space-to-Earth) 18.8–19.3 GHz (space-to-Earth) 71–76 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, and must comport with the technical specifications described in the underlying application, except as conditioned in this grant of STA.

2. STA operations must use the minimum power level necessary to establish communications links in order to minimize potential interference to licensed users.

3. All operations under this grant of STA must be on an unprotected and non-interference basis (NIB), i.e., SpaceX Services must not cause harmful interference to and must not claim protection from interference caused to it by any other lawfully operating station.

4. In the event of any harmful interference caused by operations under this grant of STA, SpaceX Services must immediately cease operations upon notification of such interference. SpaceX Services must immediately inform the Commission, in writing, of such an event.

5. In order to protect Earth exploration-satellite service (EESS) operations in the 86-92 GHz band, the received unwanted emission power from all adjacent-band interference sources, including SpaceX gateways, shall be limited to –169 dBW per 100 MHz within the 86-92 GHz passive band, as described in Recommendation ITU-R RS.2017-0.

6. The unwanted emission power level per gateway uplink beam, as measured at the antenna port, shall not exceed:

$-41.2 - 16.3(f - 86)$ dBW/100 MHz for $86.05 \leq f \leq 87$ GHz

-57.5 dBW/100 MHz for $87 < f \leq 91.95$ GHz

where f is the center frequency of the 100 MHz reference bandwidth expressed in GHz. Additionally, SpaceX Services shall ensure that the unwanted emission limits provided above are met during all gateway transmissions. This mask is based upon the 81-86 GHz ground sites being individually authorized and having a minimum antenna diameter of 1.8 meters.

7. Gateway earth station uplink operations in the 81–86 GHz band must comply with the following conditions:

a. Maximum of 32 total simultaneously transmitting uplink beams per operational gateway site;

b. Minimum elevation angle of 25 degrees with respect to the local horizontal plane per uplink beam for sites below 62 degrees north latitude.

c. SpaceX Services assumes the risk that this grant may be subject to additional conditions, modification, or cancellation to bring it into conformance with (i) the above operational restrictions or (ii) any rules or policies that may result from future Commission action.

8. Uplink transmissions from user terminals to the SpaceX Gen2 system are expressly prohibited in the 81–86 GHz frequency band.

9. SpaceX Services shall keep data logs of all transmissions in the 81–86 GHz band that include the following parameters, at a minimum: timestamp, which gateways sites were actively transmitting during a given timestamp, and the azimuth and elevation pointing angles for all antennas within an actively transmitting gateway site. These data logs shall be retained for at least 90 days following operations and shall be made available to Federal agencies upon request.

10. All operations pursuant to this grant are subject to the terms and conditions of the in-force version of any signed Memorandum of Agreement(s) (MOA) established between SpaceX and Federal Agencies. In the event the conditions above conflict with the terms of the in-force version of a signed MOA between SpaceX and Federal Agencies, then such terms of the MOA shall prevail, and these conditions will be deemed to be amended accordingly.

11. SpaceX coordinates with NSF at esm@nsf.gov.

12. SpaceX operations in the 17.8 - 18.6 GHz, 18.8 - 19.3 GHz, 71.0-76.0 GHz, and 81.0-86.0 GHz frequency bands, respectively, must be in accordance with signed coordination agreements between SpaceX and U.S. Federal FSS operators.

13. The 24/7 point of contact in the United States, with authority and ability to cease all emissions, for this operation is rf_interference@spacex.com, which links to the pagers of appropriate technical personnel.

14. 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.

15. STA operations since the expiration of the previous STA and the commencement of this STA were authorized as continuing operations under 47 CFR § 1.62.

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:	07-20-2026	
Term Dates	**From:** 07-21-2026	**To:** 09-18-2026
Approved:	**SIGNATURE:**	