

Applicant: SpaceX Services, Inc.
Call Sign: E202178
File No.: SES-STA-20210810-01368
Special Temporary Authority ("STA")

SpaceX Services, Inc. ("SpaceX Services") is granted STA for 60 days, beginning Sept 1, 2021, to operate its fixed earth station located at geographical coordinates 35°53'43"N / 79°13'29"W in Mandale NC with non-geosynchronous orbit ("NGSO") satellite constellation SpaceX Starlink (Call Sign S2983/3018) on frequency bands: 27500-29100 MHz and 29500-30000 MHz (Earth-to-space), 17800-18600 MHz, 18800-19300 MHz (space-to-Earth) under the following conditions:

1. Operations will not exceed the operational power limits and parameters requested and coordinated.
2. All operations under this grant of STA shall be on an unprotected, non-harmful interference basis. SpaceX Services shall not cause harmful interference to and shall not claim protection from interference caused to it by, any other lawfully operating radio communication system.
3. In the event of any harmful interference SpaceX Services shall cease operations immediately upon notification of such interference, and shall immediately inform the Commission, in writing, of such an event.
4. The use of space-to-Earth operations in the 17800-18600 MHz, 18800-19300 MHz frequency bands must be in accordance with any signed coordination agreement between SpaceX and U.S. Federal operators in accordance with footnote US334 to the United States Table of Frequency Allocations, 47 CFR § 2.106, prior to being used.
5. Operations in the 27500-29100 MHz and 29500-30000 MHz (Earth-to-space) frequency bands are on a secondary basis with respect to GSO FSS operations and secondary basis with respect to NGSO FSS operations on 28600 MHz -29100 MHz (Earth-to-space).
6. Current 24x7 contact information for the NGSO Starlink satellite constellation mission is phone: 1+ (251) 257-0464.
7. The licensee shall take all necessary measures to ensure that the antenna does not create potential exposure of humans to radiofrequency radiation in excess of the FCC exposure limits defined in 47 CFR 1.1307(b) and 1.1310 wherever such exposures might occur. Measures must be taken to ensure compliance with limits for both occupational/controlled exposure and for general population/uncontrolled exposure, as defined in these rule sections. The FCC's OET Bulletin 65 (available on-line at www.fcc.gov/oet/rfsafety) provides information on predicting exposure levels and on methods for ensuring compliance, including the use of warning and alert signs and protective equipment for workers.
8. Grant of this STA is without prejudice to any determination that the Commission may make regarding SpaceX Services pending application IBFS File No. SES-LIC-20201021-01160.

9. Any action taken, or expense incurred as a result of operations pursuant to this STA is solely at SpaceX Services' risk.

10. Operations since the expiration of the previous STA and Sept 1, 2021 were authorized as continuing operations under Section 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 special temporary authority was authorized pursuant to Section 1.62 of the Commission's rules, 47 CFR § 1.62.