

APPLICANT: SpaceX Services, Inc.  
No.: SES-STA-20200408-00384  
Call Signs: E201415, E201414  
Special Temporary Authority

SpaceX Services, Inc. ("SpaceX Services") is granted a Special Temporary Authority ("STA") for 60 days beginning April 22, 2020 to utilize its gateway earth station locations in McGregor, TX and Boca Chica, TX to test and confirm operational status and evaluate the overall performance of the Starlink network of space stations and earth stations using its non-geostationary orbit ("NGSO") Starlink satellites (Call Signs S2983/3018) on frequency bands: 28.6 -29.1 GHz and 29.5 -30.0 GHz (Earth-to-space); and 17.8-18.6 GHz, and 18.8 -19.3 GHz (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, and 18800-19300 MHz, 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. Current 24x7 contact information for the NGSO Starlink satellite mission is [satellite-operators-pager@spacex.com](mailto:satellite-operators-pager@spacex.com) which links to the pagers of appropriate technical personnel.
6. SpaceX Services 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](http://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.
7. Grant of this STA is without prejudice to any determination that the Commission may make regarding SpaceX Services any pending or future applications for call signs E201415, E201414.
8. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at SpaceX Services' risk.

This grant is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective upon release. This special temporary authority was authorized pursuant to Section 1.62 of the Commission's rules, 47 C.F.R. § 1.62.

