

Applicant: SpaceX Services, Inc.
Call Signs: E201193
File No.: SES-STA-20200805-00837
Special Temporary Authority

SpaceX Services, Inc. ("SpaceX Services") is granted extension of special temporary authority to operate its fixed earth station at 39° 03' 25.2"N, 122° 03'36"W located in Arbuckle, CA to provide Ka-band gateway services to deliver broadband data between the satellites of its NGSO system(Call Signs S2983/3018) and terrestrial Internet exchange points in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), 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, 18800-19300 MHz, 19700- 20200 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 , phone: 1 251 257 0464 and the Arbuckle, CA site is Ben Stout 1 310 682 2553.
6. 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.
7. Grant of this STA is without prejudice to any determination that the Commission may make regarding SpaceX Services pending application SES-LIC-20200327-00325.
8. Any action taken, or expense incurred as a result of operations pursuant to this STA is

solely at SpaceX Services' risk.

9. SpaceX's payload-frequency operations must be limited to testing and must not include provision of commercial services.

10. Operations authorized in this grant of STA must comport with any conditions contained in the SpaceX Second Modification Order.

11. Operations of this station during the period from expiration of August 14, 2020, FCC IBFS File No. SES-STA-20200406-00376, to the grant of this STA was authorized pursuant to Section 1.62 of the Commission's rules, 47 C.F.R. § 1.62.

This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. §0.261, and is effective immediately.