

Applicant: SpaceX Services, Inc. Call
Sign(s): E210002
File No.: SES-STA-20210108-00051

Special Temporary Authority (“STA”)

SpaceX Services, Inc. ("SpaceX Services") is granted special temporary authority, beginning January 21, 2020, for 60 days, beginning September 21, 2021, to operate its fixed earth station antennas located in Lockport, NY, with the SpaceX (S2983/3018) ngso satellite network to test this gateway station’s antennas to both to confirm their operational status and to evaluate the overall performance of the Starlink network of space stations and earth stations in the 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) frequency bands, under the following conditions:

1. Operations shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference. Specifically, SpaceX must observe the applicable equivalent power flux-density (“EPFD”) limits set forth in Article 22 and Resolution 76 of the ITU Radio Regulations and the applicable power flux-density (“PFD”) limits set forth in the Commission’s rules and Article 21 of the ITU Radio Regulation.
2. Operations must comport with SES-LIC-20210105-00015 operational specifications.
3. In the event of any harmful interference under this grant of STA, SpaceX Services must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event.
4. Operations authorized here must comport with the conditions imposed in DA 19-342.
5. The use of space-to-Earth operations in the 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands 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.
6. The 24x7 contact information for the Starlink satellite system is satellite-operators-pager@spacex.com, which links to the pagers of appropriate technical personnel 24/7
7. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future SpaceX Services - applications.
8. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at SpaceX Services’s risk.

This action is issued pursuant to Section 0.26 1 of the Commission's rules on delegated authority, 47 C.F.R. §0.26 1, and is effective immediately.