

Applicant: SpaceX Services, Inc.
File No.: SES-STA-20210310-00459
Call Sign: E210043
Special Temporary Authority

SpaceX Services, Inc. ("SpaceX Services"), is granted Special Temporary Authority ("STA") for 60 days starting April 15, 2021 to operate its gateway earth station in Hillman, MI to communicate with the Starlink non-geostationary orbit ("NGSO") satellite system operated by its sister company, Space Exploration Holdings, LLC ("SpaceX") using 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) to test its gateway earth station to confirm its operational status and to evaluate the overall performance of the Starlink network under the following conditions:

1. Operations will not exceed the operational power levels and parameters in SES-LIC-20210303-00425.
2. All operations shall be on an unprotected and non-harmful interference basis; and SpaceX Services, 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 and must inform the Commission, in writing, immediately of such an event.
3. In the event of any harmful interference under this grant of special temporary authority, SpaceX Services must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event.
4. US519 --The band 18-18.3 GHz is also allocated to the meteorological-satellite service (space-to-Earth) on a primary basis. Its use is limited to geostationary satellites and shall be in accordance with the provisions of Article 21, Table 21-4 of the ITU Radio Regulations.
5. The 17.8 - 20.2 GHz band is shared with U.S. Government space stations and associated earth stations in the Fixed-Satellite Service. Operation of this earth station will be subject to any technical constraints resulting from this coordination.
6. All operators of satellites will be provided with a contact wherein the licensee can be reached in the event that harmful interference occurs. Currently the SpaceX Services Starlink test is satellite-operators-pager@spacex.com, which links to the pagers of appropriate technical personnel 24/7.
7. Grant of this STA is without prejudice to any determination that the Commission may make regarding pending application SES-LIC-20210303-00425 or future SpaceX Services applications. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at SpaceX Services' risk.

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 upon release.