

January 19, 2021

BY ELECTRONIC FILING

Marlene H. Dortch
Secretary
Federal Communications Commission
45 L Street, N.E.
Washington, DC 20554

Re: *Space Exploration Holdings, LLC, IBFS File No. SAT-STA-20201218-00147*

Dear Ms. Dortch:

In the above referenced proceeding, Space Exploration Holdings, LLC (“SpaceX”) requests extension of special temporary authority (“STA”) so that satellites launched and to be launched into its non-geostationary orbit (“NGSO”) Starlink constellation can continue to communicate with earth stations operated by its sister company, SpaceX Services, Inc., during the orbit-raising and de-orbit phases and early operations of its satellites. That request seeks extension of a prior request that included a proposal to authorize its satellites to transmit TT&C signals in the 12.15-12.25 GHz band at a slightly higher power level so that they are easier to acquire after insertion.

This letter is to confirm that the above referenced STA request includes the commitment to lower the level of higher power TT&C transmissions by 2 dB (i.e., operating at 21 dBm rather than 23 dBm) in order to ensure that all such operations will comply with applicable equivalent power flux-density limits designed to protect geostationary satellite operations.¹

Should you have any questions, please do not hesitate to contact me.

Sincerely,



William M. Wiltshire
Counsel to SpaceX

¹ See Response of Space Exploration Holdings, LLC, IBFS File No. SAT-STA-20200610-00071 (Aug. 17, 2020).