

EXPERIMENTAL DESCRIPTION

Space Exploration Technologies Corp. (“SpaceX”) seeks an experimental license to deploy a limited number of user terminals in fixed locations to gather operational data regarding the performance of SpaceX’s user terminals with the initial deployment of the Starlink constellation.¹ These operations will use the following subset of frequencies for which SpaceX has already obtained appropriate space station authorizations, and for which applications for gateway earth station operations are currently pending:²

Downlink: 10.2 – 12.7 GHz

Uplink: 14.0 – 14.5 GHz

SpaceX will use a total of no more than 256 user terminals, distributed among five test locations. The terminals will be deployed in clusters at each location at the coordinates listed on the associated Form 442. At each location, all user terminals involved in the experiment will be deployed on rooftops such that they are spatially isolated from any other earth stations operating in this band.

¹ See Modification Application of Space Exploration Holdings, LLC, IBFS File No. SAT-MOD-20181108-00083, Call Sign S2983/2018 (filed Nov. 8, 2018).

² See *Satellite Radio Applications Accepted for Filing*, Public Notice, Report No. SES-01257 (rel. May 1, 2019).