

Applicant: Planet Labs Inc.
Call Sign: E150004
File Number: SES-STA-20200812-00880
Special Temporary Authority (STA)

Planet Labs Inc. is granted STA to operate fixed earth station, for 180 days, beginning July 6, 2021 through January 2, 2022, in Maddock, ND with Planet Labs Flock 1 non-geostationary orbit (“NGSO”) Earth Exploration Satellite Service (“EESS”) imaging satellites constellation, Call Sign S2912, on 450.10 MHz (Earth-to-space) and 401.4 MHz (space-to-Earth) frequencies to investigate the ability to lower radio interference to the Flock satellite’s UHF communications link. STA operations shall be conducted under the following conditions:

1. Operations with emission designator 60K0F1D may not exceed the operational power levels and parameters requested and coordinated.
2. Minimum antenna elevation angle for all operations must be at least 3° above the geographic horizon per 47 C.F.R. § 25.205.
3. 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 and notify the FCC in writing.
4. Any action taken, or expense incurred as a result of operations pursuant to this STA is solely at Planet Labs Inc.’s risk.
5. Transmitter(s) must be turned off during antenna maintenance to ensure compliance with the FCC-specified safety guidelines for human exposure to radiofrequency radiation in the region between the antenna feed and the reflector. Appropriate measures must also be taken to restrict access to other regions in which the earth station's power flux density levels exceed the specified guidelines.
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 alerting signs and protective equipment for workers.

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.