


APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu: Morehead STA 2

1. Applicant

Name:	Planet Labs Inc.	Phone Number:	415-829-3313
DBA Name:		Fax Number:	
Street:	346 9th St.	E-Mail:	rich@planet.com
City:	San Francisco	State:	CA
Country:	USA	Zipcode:	94103
Attention:	Mr Rich Leshner		



GRANTED
International Bureau

File # SES-STA-20171109-01245
Call Sign N140070 **Grant Date** 11-17-17
 (or other identifier)
Term Dates **From:** 11-17-17 **To:** 1-16-18
Approved: [Signature]

Applicant: Planet Labs Inc.
Call Sign: E140040
File Number: SES-STA-20171109-01245
Special Temporary Authority (STA)



File # SES-STA-20171109-01245
Call Sign _____ Grant Date 11-17-17
(or other identifier)
From: 11-17-17 Term Dates To: 1-16-18
Approved: [Signature]

Planet Labs Inc. is granted special temporary authority for 60 days to temporarily operate three uhf antennas located in Wallingford, Kentucky at location 38° 25' 2.175" N/ 083° 33' 13.07" W with the Planet Labs Flock 1 non-geostationary orbit ("NGSO") Earth Exploration Satellite Service ("EESS") imaging satellites constellation, Call Sign S2912, in the 449.97-450.03 MHz (Earth-to-space) and 401.27-401.33 MHz (space-to-Earth) frequency bands under the following conditions:

1. Operations 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. Grant of this authorization is without prejudice to any determination that the commission may make regarding pending application FCC IBFS file number SES-MOD-20170407-00446.
6. 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.
7. 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.

2. Contact	
Name:	Planet Labs Inc. Phone Number: 720-238-5634
Company:	Fax Number: 415-534-8992
Street:	346 9th st. E-Mail: craig@planet.com
City:	San Francisco State: CA
Country:	USA Zipcode: 94103 -
Attention:	Relationship: Engineer
(If your application is related to an application filed with the Commission, enter either the file number or the IB Submission ID of the related application. Please enter only one.)	
3. Reference File Number SESMOD2017040700446 or Submission ID	
4a. Is a fee submitted with this application?	
<input checked="" type="radio"/> If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).	
<input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee	
<input type="radio"/> Other (please explain):	
4b. Fee Classification CGX - Fixed Satellite Transmit/Receive Earth Station	
5. Type Request	
<input checked="" type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input type="radio"/> Other	
6. Requested Use Prior Date	
11/13/2017	
7. City/Morehead	
8. Latitude	
(dd mm ss.s h) 38 25 2.175 N	

9. State KY	10. Longitude (dd mm ss.s h) 83 33 13.07 W
11. Please supply any need attachments. Attachment 1: STA Req Narrative Attachment 2: Attachment 3:	
12. Description. (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.) See Exhibit, STA Req Narrative	
13. By checking Yes, the undersigned certifies that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application"; for these purposes. Yes <input checked="" type="radio"/> No <input type="radio"/>	
14. Name of Person Signing Craig Scheffler	15. Title of Person Signing Spectrum Manager
WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT (U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).	

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THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.

Description of Request for Special Temporary Authority

Planet Labs Inc. (“Planet”) hereby requests special temporary authority (“STA”) to operate a proposed “UHF” earth station located in Morehead, Kentucky, for 60 days, beginning November 13, 2017. The earth station is currently authorized with call sign E140040 with a pending modification application (“Application”), file number SES-MOD-20170407-00446.

The proposed earth station will transmit at 450.0 MHz, and receive at 401.3 MHz. with Flock satellites, a constellation of non-geostationary orbit (“NGSO”) Earth Exploration Satellite Service (“EESS”) imaging satellites, call sign S2912¹.

The referenced Application requests modification of its earth station located in Morehead, KY (Call Sign E140040) to increase the number of antennas authorized under the license from one to three, to relocate the site approximately 20 miles north to the Morehead State University Browning Orchard, and to increase the output power of the transmitter centered at 450.0 MHz.

It is understood the referenced Application is pending final review which is currently suspended due to a technical issue with processing within the Commission. In the interim, Planet respectfully requests temporary authority to proceed with the modification and operation of the earth station pursuant to the technical parameters described in the Application until such time the technical issues can be resolved and processing of the Application completed.

¹ See File No. SAT-LOA-20130626-00087