



File # SAT-STA-20200812-00097

Call Sign S2912 Grant Date 03/18/2021  
(or other identifier)

Approved by OMB  
3060-0678

Term Dates  
From 03/18/2021 To: period of 180 days

Approved: Merissa L. Velez  
Merissa L. Velez  
chief, Satellite Policy Branch

Date & Time Filed: Aug 12 2020 6:43:11:803PM  
File Number: SAT-STA-20200812-00097  
Callsign:

FEDERAL COMMUNICATIONS COMMISSION  
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY

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APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:  
STA request – SAT additional channel

1. Applicant

<b>Name:</b>	Planet Labs Inc.	<b>Phone Number:</b>	415-829-3313
<b>DBA Name:</b>		<b>Fax Number:</b>	
<b>Street:</b>	645 Harrison Street Fourth Floor	<b>E-Mail:</b>	mike@planet.com
<b>City:</b>	San Francisco	<b>State:</b>	CA
<b>Country:</b>	USA	<b>Zipcode:</b>	94107 -
<b>Attention:</b>	Mike Safyan		

**ATTACHMENT TO GRANT**  
Planet Labs Inc.  
IBFS File No. SAT-STA-20200812-00097

<b>IBFS File No(s):</b>	SAT-STA-20200812-00097 <sup>1</sup>	<p><b>GRANTED – With Conditions</b></p>  <p><b>International Bureau Satellite Division</b></p>
<b>Licensee/Grantee:</b>	Planet Labs Inc. (Planet)	
<b>Call Sign:</b>	S2912	
<b>Satellite Name:</b>	Flock constellation	
<b>Orbital Location: (required station-keeping tolerance)</b>	NGSO at altitudes between 350 km and 720 km	
<b>Administration:</b>	United States of America	
<b>Nature of Service:</b>	Space Operations	
<b>Scope of Grant:</b>	Special temporary authority for a period of 180 days to allow the satellites in the Planet Flock constellation to operate within the 449.75-450.25 MHz frequency band <sup>2</sup> using an additional channel with a center frequency of 450.1 MHz and a bandwidth of 0.06 MHz (Earth-to-space), and to operate within the 401-402 MHz frequency band <sup>3</sup> using an additional channel with a center frequency of 401.4 MHz and a bandwidth of 0.06 MHz (space-to-Earth).	
<b>Service Area(s):</b>	Global. See Schedule S Tech Report at Item S6 (SAT-MOD-20150802-00053)	
<b>Frequencies:</b>	See Scope of Grant	
<p><b>Unless otherwise specified herein, operations under this grant must comport with the legal and technical specifications set forth by the applicant or petitioner and with the Federal Communications Commission’s rules not waived herein.</b></p> <ol style="list-style-type: none"> <li>1. Planet shall tune Flock satellite TT&amp;C UHF links to an agreed frequency range with NOAA as soon as possible to minimize interference to NOAA GOES Data Collection System (DCS), and radiosonde operations and continue to work closely with NOAA to identify and implement any further measures needed to avoid RFI to the systems mentioned earlier. This initial tuning would be an interim frequency range for Planet Labs to use for upcoming launches. For future mission planning, transition out of 401-406 MHz to avoid interference to DCS and radiosondes is recommended. Planet Labs and NOAA shall work jointly to explore future mitigation strategies to avoid interference to NOAA missions.</li> <li>2. Planet must continue to comply with the grant conditions set forth in the prior authorizations for the Flock constellation.</li> <li>3. Planet shall have no expectations that requests to extend this grant of special temporary as it relates to operations in the 401-402 MHz frequency band will be approved for any date after December 31, 2021.</li> </ol>		
<p>Licensee/grantee is afforded thirty (30) days from the date of release of this action to decline the grant as conditioned. Failure to respond within this period will constitute formal acceptance of the grant as conditioned.</p> <p>This action is taken pursuant to Section 0.261 of the Commission’s rules on delegated authority, 47 CFR § 0.261, and is effective upon release.</p>		

<sup>1</sup> The request that is granted by this action was placed on Public Notice as accepted for filing on September 18, 2020. *See Policy Branch Information, Applications Accepted for Filing*, Public Notice, Report No. SAT-01498 (IBFS File No. SAT-STA-20200812-00097).

<sup>2</sup> *See Satellite Policy Branch, Action Taken*, DA 18-749, Report No. SAT- 01332 (July 20, 2018) (IBFS File No. SAT-MOD-20170713-00103).

<sup>3</sup> *Id.*

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Station licenses are subject to the conditions specified in Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. § 309(h).

<b>Action Date:</b>	March 18, 2021
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<b>Term Dates</b>	<b>From:</b> March 18, 2021	<b>To:</b> period of 180 days
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**Approved:**



Merissa L. Velez  
Chief, Satellite Policy Branch

2. Contact	
<b>Name:</b> Planet Labs Inc.	<b>Phone Number:</b> 415-829-3313
<b>Company:</b>	<b>Fax Number:</b>
<b>Street:</b> 645 Harrison Street Fourth Floor	<b>E-Mail:</b> mike@planet.com
<b>City:</b> San Francisco	<b>State:</b> CA
<b>Country:</b> USA	<b>Zipcode:</b> 94107 -
<b>Attention:</b>	<b>Relationship:</b>
(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 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    CXW – Space Station (Non-Geostationary)	
5. Type Request	
<input type="radio"/> Change Station Location <input type="radio"/> Extend Expiration Date <input checked="" type="radio"/> Other	
6. Temporary Orbit Location	7. Requested Extended Expiration Date

8. 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.)

Planet requests an additional communication channel for it's Flock constellation (Call sign S2912)

9. 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  No

10. Name of Person Signing  
Mike Safyan

11. Title of Person Signing  
Vice President, Launch

12. Please supply any need attachments.

Attachment 1: STA Narrative SAT

Attachment 2:

Attachment 3:

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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