



UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

EARTH STATION AUTHORIZATION

Name: Planet Labs PBC

Call Sign: E150004

Authorization Type: Modification

File Number: SES-MOD-20241220-02700

Grant Date: 2026-03-19 **Expiration Date:** 2030-09-30

Nature of Service: Earth Exploration-Satellite Service

Class of Station: FES

A) Site Location(s):

#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	NAD	Special Provisions (Refer to Section H)
1	Maddock	5190 30th St. NE Maddock, Benson, ND 58348	47 ° 50 ' 38.7 " N	99 ° 28 ' 10.4 W	427.83	NAD- 83	

Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209



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Subject to the provisions of the Communications Act of 1934, The Communications Satellite Act of 1962, subsequent acts and treaties, and all present and future regulations made by this Commission, and further subject to the conditions and requirements set forth in this license, the grantee is authorized to construct, use and operate the radio facilities described below for radio communications for the term beginning Wednesday, September 30, 2015 (3 AM Eastern Standard Time) and ending Monday, September 30, 2030 (3 AM Eastern Standard Time). The required date of completion of construction and commencement of operation is Friday, March 19, 2027. Grantee must file with the Commission a certification upon completion of construction and commencement of operation.

B) Particulars of Operation

The General Provision 1010 applies to all receiving frequency bands.

The General Provision 1900 applies to all transmitting frequency bands.

For the text of these provisions, refer to Section H.

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
1	2055.345 - 2056.655		1M31F1D	Earth-to-Space	41.361	16.209	1		Digital/Telecommand Flock
2	8379.872 - 8380.128		256KG1D	Space-to-Earth			1		Digital/Telemetry Downlink SkySat
3	2085.5 - 2086.6		1M1F1D	Earth-to-Space	41.361	16.968	1		Digital/Telecommand Pelican/Tanager
4	8032.75 - 8127.25		94M5G1D	Space-to-Earth			1		Digital/Data Downlink Flock
5	2082.938 - 2083.062		124KF1D	Earth-to-Space	41.361	26.447	1		Digital/Telecommand SkySat
6	2054.045 - 2055.355		1M31F1D	Earth-to-Space	41.361	16.209	1		Digital/Telecommand Flock
7	8374.872 - 8375.128		256KG1D	Space-to-Earth			1		Digital/Telemetry Downlink SkySat
8	2066.5 -		200KF1D	Earth-	41.361	24.371	1		Digital/Telecommand

	2066.7		to-Space				Pelican/Tanager
9	8295 - 8355	60M0G1D	Space-to-Earth			1	Digital/Data Downlink SkySat
10	2056.5 - 2056.7	200KF1D	Earth-to-Space	41.361	24.371	1	Digital/Telecommand Pelican/Tanager
11	2080.938 - 2081.062	124KF1D	Earth-to-Space	41.361	26.447	1	Digital/Telecommand SkySat
12	8039.9 - 8040.1	200KG1D	Space-to-Earth			1	Digital/Telemetry Downlink Pelican/Tanag
13	8232.75 - 8327.25	94M5G1D	Space-to-Earth			1	Digital/Data Downlink Flock
14	8170 - 8230	60M0G1D	Space-to-Earth			1	Digital/Data Downlink SkySat
15	2095.5 - 2096.6	1M1F1D	Earth-to-Space	41.361	16.968	1	Digital/Telecommand Pelican/Tanager
16	2056.645 - 2057.955	1M31F1D	Earth-to-Space	41.361	16.209	1	Digital/Telecommand Flock
17	8029.9 - 8030.1	200KG1D	Space-to-Earth			1	Digital/Telemetry Downlink Pelican/Tanag
18	8132.75 - 8227.25	94M5G1D	Space-to-Earth			1	Digital/Data Downlink Flock
19	8045 - 8105	60M0G1D	Space-to-Earth			1	Digital/Data Downlink SkySat
20	449.97 - 450.03	60K0F1D	Earth-to-Space	36.5	24.74	4	Digital
21	2085.5 - 2086.6	1M1F1D	Earth-to-Space	46	21.607	2	Digital/Telecommand Tanager
22	8029.9 - 8030.1	200KG1D	Space-to-Earth			2	Digital/Telemetry downlink Tanager
23	2085.55 - 2086.65	1M10F1D	Earth-to-Space	46	21.607	2	Pelican HSU 1
24	2082.938 - 2083.062	124KF1D	Earth-to-Space	54.8	39.886	2	SkySat TTC 2
25	2095.5 - 2096.6	1M1F1D	Earth-to-Space	46	21.607	2	Digital/Telecommand Tanager
26	8039.9 - 8040.1	200KG1D	Space-to-			2	Digital/Telemetry downlink Tanager

27	8025 - 8400	66M8G1D	Earth-to-Earth			2	Digital/Data Downlink
28	2080.938 - 2081.062	124KF1D	Earth-to-Space	54.8	39.886	2	SkySat TTC 1
29	2056.5 - 2056.7	200KF1D	Earth-to-Space	46	29.01	2	Digital/Telecommand Tanager
30	2095.55 - 2096.65	1M10F1D	Earth-to-Space	46	21.607	2	Pelican HSU 2
31	2055.345 - 2096.6	1M31F1D	Earth-to-Space	54.78	29.63	2	Digital/Telecommand - S2912 - Flock HSU
32	2066.5 - 2066.7	200KF1D	Earth-to-Space	46	29.01	2	Command Pelican TTC 2
33	401.27 - 401.33	60K0F1D	Space-to-Earth			4	Digital
34	2095.5 - 2096.6	1M1F1D	Earth-to-Space	46	21.607	2	Digital/Telecommand Pelican/Tanager
35	25854.4 - 25940.8	86M4G1D	Space-to-Earth			2	Digital/Data Downlink Pelican/Tanager
36	2056.645 - 2057.955	1M31F1D	Earth-to-Space	46	20.848	2	Digital/Telecommand Flock
37	26632 - 26718.4	86M4G1D	Space-to-Earth			2	Digital/Data Downlink Pelican/Tanager
38	8029.9 - 8030.1	200KG1D	Space-to-Earth			2	Digital/Telemetry Downlink Pelican/Tanag
39	25768 - 25854.4	86M4G1D	Space-to-Earth			2	Digital/Data Downlink Pelican/Tanager
40	26372.8 - 26459.2	86M4G1D	Space-to-Earth			2	Digital/Data Downlink Pelican/Tanager
41	8032.75 - 8127.25	94M5G1D	Space-to-Earth			2	Digital/Data Downlink Flock
42	26286.4 - 26372.8	86M4G1D	Space-to-Earth			2	Digital/Data Downlink Pelican/Tanager
43	8295 - 8355	60M0G1D	Space-to-Earth			2	Digital/Data Downlink SkySat
44	2085.5 - 2086.6	1M1F1D	Earth-to-Space	46	21.607	2	Digital/Telecommand Pelican/Tanager

45	25595.2 - 25681.6	86M4G1D	Space- to- Earth			2	Digital/Data Downlink Pelican/Tanager
46	2055.345 - 2056.655	1M31F1D	Earth- to- Space	46	20.848	2	Digital/Telecommand Flock
47	26545.6 - 26632	86M4G1D	Space- to- Earth			2	Digital/Data Downlink Pelican/Tanager
48	26804.8 - 26891.2	86M4G1D	Space- to- Earth			2	Digital/Data Downlink Pelican/Tanager
49	25681.6 - 25768	86M4G1D	Space- to- Earth			2	Digital/Data Downlink Pelican/Tanager
50	26718.4 - 26804.8	86M4G1D	Space- to- Earth			2	Digital/Data Downlink Pelican/Tanager
51	8232.75 - 8327.25	94M5G1D	Space- to- Earth			2	Digital/Telemetry Downlink Flock
52	2066.5 - 2066.7	200KF1D	Earth- to- Space	46	29.01	2	Digital/Telecommand Pelican/Tanager
53	26027.2 - 26113.6	86M4G1D	Space- to- Earth			2	Digital/Data Downlink Pelican/Tanager
54	8170 - 8230	60M0G1D	Space- to- Earth			2	Digital/Data Downlink SkySat
55	2082.938 - 2083.062	124KF1D	Earth- to- Space	46	31.086	2	Digital/Telecommand SkySat
56	8379.872 - 8380.128	256KG1D	Space- to- Earth			2	Digital/Telemetry Downlink SkySat
57	2054.045 - 2055.355	1M31F1D	Earth- to- Space	46	20.848	2	Digital/Telecommand Flock
58	26200 - 26286.4	86M4G1D	Space- to- Earth			2	Digital/Data Downlink Pelican/Tanager
59	8039.9 - 8040.1	200KG1D	Space- to- Earth			2	Digital/Telemetry Downlink Pelican/Tanag
60	26113.6 - 26200	86M4G1D	Space- to- Earth			2	Digital/Data Downlink Pelican/Tanager
61	26459.2 - 26545.6	86M4G1D	Space- to- Earth			2	Digital/Data Downlink Pelican/Tanager
62	8132.75 - 8227.25	94M5G1D	Space- to- Earth			2	Digital/Data Downlink Flock
63	2056.5 -	200KF1D	Earth-	46	29.01	2	Digital/Telecommand

	2056.7		to-Space					Pelican/Tanager
64	25940.8 - 26027.2	86M4G1D	Space-to-Earth			2		Digital/Data Downlink Pelican/Tanager
65	8045 - 8105	60M0G1D	Space-to-Earth			2		Digital/Data Downlink SkySat
66	2080.938 - 2081.062	124KF1D	Earth-to-Space	46	31.086	2		Digital/Telecommand SkySat
67	8374.872 - 8375.128	256KG1D	Space-to-Earth			2		Digital/Telemetry Downlink SkySat



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C) Frequency Coordination Limits

#	Frequency Limits (MHz)	Satellite Arc Deg. Long.		Elevation (Degrees)		Azimuth (Degrees)		Max EIRP Density toward Horizon (dBW/4kHz)	Associated Antenna(s)
		East Limit	West Limit	East Limit	West Limit	East Limit	West Limit		
1	449.97 - 450.03			5	5	0	360	24.7	4
2	2055.345 - 2096.6			5	5	0	360	-4.3	2
3	401.27 - 401.33			5	5	0	360		4



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D) Points of Communications

#	Common Name	ITU Name	Orbit Location	Country	Destination Points	Permitted List
1	TANAGER (S3152)	TANAGER	NGSO			False
2	Planet All (S2912)	Planet Labs	NGSO			False



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E) Antenna Facilities

#	Site ID	Antenna ID	Units	Manufacturer	Model Number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
1	Maddock	S/X 1.8m	1	Orbital Systems	1.8TSX1-1.8m		1.6	
Max Gains(s): Maximum aggregate output EIRP for all carriers(dBW): 15 Maximum total input power at antenna flange(Watts): 41.4								
2	Maddock	UHF_UL	4	M2 Inc.	450CP34	0	3.8	
Max Gains(s): Maximum aggregate output EIRP for all carriers(dBW): 100 Maximum total input power at antenna flange(Watts): 36.5								
3	Maddock	S/X-BAND	2	CGC	350SXR	0	7	
Max Gains(s): Maximum aggregate output EIRP for all carriers(dBW): 37.9 Maximum total input power at antenna flange(Watts): 54.8								
4	Maddock	UHF_DL	4	M2 Inc.	400CP30	0	3.8	
Max Gains(s): Maximum aggregate output EIRP for all carriers(dBW): Maximum total input power at antenna flange(Watts):								
5	Maddock	S/X 2.8 m	2	Orbital Systems	3.0TSAX1-2.8m		2.2	
Max Gains(s): Maximum aggregate output EIRP for all carriers(dBW): 63 Maximum total input power at antenna flange(Watts): 50.393								

G) Antenna Structure marking and lighting requirements:

None unless otherwise specified under Special and General Provisions.



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H) Special and General Provisions:

A) This EARTH STATION AUTHORIZATION is granted subject to the following special provisions and general conditions.

- 4 --- Licensee must ensure that a current listing of the name, title, mailing address, email address, and telephone number of the responsible point of contact are on file at the FCC. Any changes must be filed electronically in the International Communications Filing System (ICFS) using the "Pleadings and Comments" link on the ICFS homepage within 10 days of the change.
- 8 --- Licensee must notify the Commission when all earth stations under this authorization are no longer operational or when they have not been used to provide service during any continuous six-month period.
- 5555 --- Prior to commencing operations in frequency bands shared with federal agencies, licensee must complete coordination with NTIA. The Licensee may begin operations in a shared band for the remainder of the license term after filing a notice, via supplement, with the Commission certifying to successful coordination in the authorized frequency band or bands. The licensee does not need to have completed coordination for all bands shared with federal services prior to beginning operations and may proceed iteratively based on coordination.
- 10000 --- Earth station transmissions in the 2025-2110 MHz band are subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator.
- 90900 --- Grant of the instant application is subject to the terms and condition of all associated current or future space station authorization(s) or grant(s) of market access. Operations pursuant to the instant authorization must be consistent with the associated space station(s) authorizations(s) or grant(s) of market access.

B) This RADIO STATION AUTHORIZATION is granted subject to the additional conditions specified below:

This authorization is issued on the grantee's representation that the statements contained in the application are true and that the undertakings described will be carried out in good faith.

This authorization shall not be construed in any manner as a finding by the Commission on the question of marking or lighting of the antenna system should future conditions require. The grantee expressly agrees to install such marking or lighting as the Commission may require under the provisions of Section 303(q) of the Communications Act. 47 U.S.C. § 303(q).

Neither this authorization nor the right granted by this authorization shall be assigned or otherwise transferred to any person, firm, company or corporation without the written consent of the Commission. This authorization is subject to the right of use or control by the government of the United States conferred by Section 706 of the Communications Act. 47 U.S.C. § 706. Operation of this station is

governed by Part 25 of the Commission's Rules. 47 C.F.R. Part 25.

This authorization shall not vest in the licensee any right to operate this station nor any right in the use of the designated frequencies beyond the term of this license, nor in any other manner than authorized herein.

This authorization is issued on the grantee's representation that the station is in compliance with environmental requirements set forth in Section 1.1307 of the Commission's Rules. 47 C.F.R. § 1.1307.

This authorization is issued on the grantee's representation that the station is in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules. 47 C.F.R. § 17.4.

The following condition applies when this authorization permits construction of or modifies the construction permit of a radio station.

This authorization shall be automatically forfeited if the station does not meet each required construction deadline by the required date of completion unless, before such date(s), a specific application is timely filed to request an extension of the construction deadline(s), supported with good cause why that failure to construct by the required date was due to factors not under control of the grantee.

Licensees are required to pay annual regulatory fees related to this authorization. The requirement to collect annual regulatory fees from regulatees is contained in Public Law 103-66, "The Omnibus Budget Reconciliation Act of 1993." These regulatory fees, which are likely to change each fiscal year, are used to offset costs associated with the Commission's enforcement, public service, international and policy and rulemaking activities. The Commission issues a Report and Order each year, setting the new regulatory fee rates. Receive only earth stations are exempt from payment of regulatory fees.