



UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

EARTH STATION AUTHORIZATION

Name: Planet Labs PBC

Call Sign: E150004

Authorization Type: Modification

File Number: SES-MOD-20260604-01579

Grant Date: 2026-09-08 **Expiration Date:** 2030-09-30

Nature of Service:

- Earth Exploration-Satellite Service
- Other Satellite Service (please specify)

Class of Station: a. FSS Fixed Earth Station (single location)

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 Wednesday, September 8, 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	449.97 - 450.03	R	60K0F1D	Earth-to-Space	36.5	24.74	UHF_UL		Digital
2	450.07 - 450.13	R	60K0F1D	Earth-to-Space	36.5	24.739	UHF_UL		
3	401.27 - 401.33	R	60K0F1D	Space-to-Earth			UHF_DL		Digital
4	2055.345 - 2056.655	R	1M31F1D	Earth-to-Space	41.361	16.208887	S/X 1.8m		Digital/Telecommand Flock
5	2082.938 - 2083.062	R	124KF1D	Earth-to-Space	41.361	26.447	S/X 1.8m		Digital/Telecommand SkySat
6	2080.938 - 2081.062	R	124KF1D	Earth-to-Space	41.361	26.447	S/X 1.8m		Digital/Telecommand SkySat
7	2054.045 - 2055.355	R	1M31F1D	Earth-to-Space	41.361	16.208887	S/X 1.8m		Digital/Telecommand Flock
8	2095.5 - 2096.6	R	1M1F1D	Earth-to-	41.361	16.968	S/X 1.8m		Digital/Telecommand Pelican/Tanager

#	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
9	8379.872 - 8380.128	R	256KG1D	Space-to-Earth			S/X 1.8m		Digital/Telemetry Downlink SkySat
10	8039.9 - 8040.1	R	200KG1D	Space-to-Earth			S/X 1.8m		Digital/Telemetry Downlink Pelican/Tanag
11	2056.645 - 2057.955	R	1M31F1D	Earth-to-Space	41.361	16.209	S/X 1.8m		Digital/Telecommand Flock
12	8374.872 - 8375.128	R	256KG1D	Space-to-Earth			S/X 1.8m		Digital/Telemetry Downlink SkySat
13	8232.75 - 8327.25	T	94M5G1D	Space-to-Earth			S/X 1.8m		Digital/Data Downlink Flock
14	8029.9 - 8030.1	R	200KG1D	Space-to-Earth			S/X 1.8m		Digital/Telemetry Downlink Pelican/Tanag
15	2085.5 - 2086.6	R	1M1F1D	Earth-to-Space	41.361	16.968	S/X 1.8m		Digital/Telecommand Pelican/Tanager
16	8170 - 8230	R	60M0G1D	Space-to-Earth			S/X 1.8m		Digital/Data Downlink SkySat
17	8132.75 - 8227.25	T	94M5G1D	Space-to-Earth			S/X 1.8m		Digital/Data Downlink Flock
18	8045 - 8105	R	60M0G1D	Space-to-Earth			S/X 1.8m		Digital/Data Downlink SkySat
19	8032.75 - 8127.25	T	94M5G1D	Space-to-Earth			S/X 1.8m		Digital/Data Downlink Flock
20	8295 - 8355	R	60M0G1D	Space-to-Earth			S/X 1.8m		Digital/Data Downlink SkySat
21	2056.5 - 2056.7	R	200KF1D	Earth-to-Space	41.361	24.371	S/X 1.8m		Digital/Telecommand Pelican/Tanager
22	2066.5 - 2066.7	R	200KF1D	Earth-to-Space	41.361	24.371	S/X 1.8m		Digital/Telecommand Pelican/Tanager
23	26113.6 - 26200	T	86M4G1D	Space-to-Earth			S/X 2.8 m		Digital/Data Downlink Pelican/Tanager
24	2055.345 - 2056.655	R	1M31F1D	Earth-to-Space	46	20.847887	S/X 2.8 m		Digital/Telecommand Flock
25	2095.5 - 2096.6	R	1M1F1D	Earth-to-	46	21.6066731	S/X 2.8 m		Digital/Telecommand Pelican/Tanager

#	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
				Space					
26	25854.4 - 25940.8	T	86M4G1D	Space-to-Earth			S/X 2.8 m		Digital/Data Downlink Pelican/Tanager
27	8039.9 - 8040.1	R	200KG1D	Space-to-Earth			S/X 2.8 m		Digital/Telemetry Downlink Pelican/Tanag
28	26286.4 - 26372.8	T	86M4G1D	Space-to-Earth			S/X 2.8 m		Digital/Data Downlink Pelican/Tanager
29	8295 - 8355	R	60M0G1D	Space-to-Earth			S/X 2.8 m		Digital/Data Downlink SkySat
30	26718.4 - 26804.8	T	86M4G1D	Space-to-Earth			S/X 2.8 m		Digital/Data Downlink Pelican/Tanager
31	8232.75 - 8327.25	T	94M5G1D	Space-to-Earth			S/X 2.8 m		Digital/Telemetry Downlink Flock
32	26027.2 - 26113.6	T	86M4G1D	Space-to-Earth			S/X 2.8 m		Digital/Data Downlink Pelican/Tanager
33	8170 - 8230	R	60M0G1D	Space-to-Earth			S/X 2.8 m		Digital/Data Downlink SkySat
34	2085.5 - 2086.6	R	1M1F1D	Earth-to-Space	46	21.607	S/X 2.8 m		Digital/Telecommand Pelican/Tanager
35	25595.2 - 25681.6	T	86M4G1D	Space-to-Earth			S/X 2.8 m		Digital/Data Downlink Pelican/Tanager
36	26459.2 - 26545.6	T	86M4G1D	Space-to-Earth			S/X 2.8 m		Digital/Data Downlink Pelican/Tanager
37	8132.75 - 8227.25	T	94M5G1D	Space-to-Earth			S/X 2.8 m		Digital/Data Downlink Flock
38	2056.645 - 2057.955	R	1M31F1D	Earth-to-Space	46	20.848	S/X 2.8 m		Digital/Telecommand Flock
39	26632 - 26718.4	T	86M4G1D	Space-to-Earth			S/X 2.8 m		Digital/Data Downlink Pelican/Tanager
40	2082.938 - 2083.062	R	124KF1D	Earth-to-Space	46	31.086	S/X 2.8 m		Digital/Telecommand SkySat
41	8379.872 - 8380.128	R	256KG1D	Space-to-Earth			S/X 2.8 m		Digital/Telemetry Downlink SkySat
42	25940.8 - 26027.2	T	86M4G1D	Space-to-			S/X 2.8 m		Digital/Data Downlink

#	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
43	8045 - 8105	R	60M0G1D	Earth-to-Space			S/X 2.8 m		Pelican/Tanager Digital/Data Downlink SkySat
44	26545.6 - 26632	T	86M4G1D	Earth-to-Space			S/X 2.8 m		Digital/Data Downlink Pelican/Tanager
45	8029.9 - 8030.1	R	200KG1D	Earth-to-Space			S/X 2.8 m		Digital/Telemetry Downlink Pelican/Tanager
46	25768 - 25854.4	T	86M4G1D	Earth-to-Space			S/X 2.8 m		Digital/Data Downlink Pelican/Tanager
47	2054.045 - 2055.355	R	1M31F1D	Earth-to-Space	46	20.847887	S/X 2.8 m		Digital/Telecommand Flock
48	26200 - 26286.4	T	86M4G1D	Earth-to-Space			S/X 2.8 m		Digital/Data Downlink Pelican/Tanager
49	26804.8 - 26891.2	T	86M4G1D	Earth-to-Space			S/X 2.8 m		Digital/Data Downlink Pelican/Tanager
50	25681.6 - 25768	T	86M4G1D	Earth-to-Space			S/X 2.8 m		Digital/Data Downlink Pelican/Tanager
51	2080.938 - 2081.062	R	124KF1D	Earth-to-Space	46	31.086	S/X 2.8 m		Digital/Telecommand SkySat
52	8374.872 - 8375.128	R	256KG1D	Earth-to-Space			S/X 2.8 m		Digital/Telemetry Downlink SkySat
53	26372.8 - 26459.2	T	86M4G1D	Earth-to-Space			S/X 2.8 m		Digital/Data Downlink Pelican/Tanager
54	8032.75 - 8127.25	T	94M5G1D	Earth-to-Space			S/X 2.8 m		Digital/Data Downlink Flock
55	2056.5 - 2056.7	R	200KF1D	Earth-to-Space	46	29.01	S/X 2.8 m		Digital/Telecommand Pelican/Tanager
56	2066.5 - 2066.7	R	200KF1D	Earth-to-Space	46	29.01	S/X 2.8 m		Digital/Telecommand Pelican/Tanager
57	26113.6 - 26200	R	86M4G1D	Earth-to-Space			S/X/Ka 3.7 m		Digital/Data Downlink
58	2056.5 - 2056.7	R	200KF1D	Earth-to-Space	45	28.012	S/X/Ka 3.7 m		Digital/Telecommand
59	2066.5 - 2066.7	R	200KF1D	Earth-to-Space	45	28.012	S/X/Ka 3.7 m		Digital/Telecommand

#	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
60	2085.5 - 2086.6	R	1M1F1D	Space-to-Earth	45	20.607	S/X/Ka 3.7 m		Digital/Telecommand
61	2095.5 - 2096.6	R	1M1F1D	Space-to-Earth	45	20.607	S/X/Ka 3.7 m		Digital/Telecommand
62	8029.9 - 8030.1	R	200KG1D	Space-to-Earth			S/X/Ka 3.7 m		Digital/Telemetry
63	26804.8 - 26891.2	R	86M4G1D	Space-to-Earth			S/X/Ka 3.7 m		Digital/Data Downlink
64	26804.8 - 26891.2	R	86M4G1D	Space-to-Earth			S/X/Ka 3.7 m		Digital/Data Downlink
65	8039.9 - 8040.1	R	200KG1D	Space-to-Earth			S/X/Ka 3.7 m		Digital/Telemetry
66	25508.8 - 25595.2	R	86M4G1D	Space-to-Earth			S/X/Ka 3.7 m		Digital/Data Downlink
67	26027.2 - 26113.6	R	86M4G1D	Space-to-Earth			S/X/Ka 3.7 m		Digital/Data Downlink
68	26200 - 26286.4	R	86M4G1D	Space-to-Earth			S/X/Ka 3.7 m		Digital/Data Downlink
69	26286.4 - 26372.8	R	86M4G1D	Space-to-Earth			S/X/Ka 3.7 m		Digital/Data Downlink
70	26372.8 - 26459.2	R	86M4G1D	Space-to-Earth			S/X/Ka 3.7 m		Digital/Data Downlink
71	26545.6 - 26632	R	86M4G1D	Space-to-Earth			S/X/Ka 3.7 m		Digital/Data Downlink
72	25595.2 - 25681.6	R	86M4G1D	Space-to-Earth			S/X/Ka 3.7 m		Digital/Data Downlink
73	25681.6 - 25768	R	86M4G1D	Space-to-Earth			S/X/Ka 3.7 m		Digital/Data Downlink
74	25768 - 25854.4	R	86M4G1D	Space-to-Earth			S/X/Ka 3.7 m		Digital/Data Downlink
75	25854.4 - 25940.8	R	86M4G1D	Space-to-Earth			S/X/Ka 3.7 m		Digital/Data Downlink
76	25940.8 - 26027.2	R	86M4G1D	Space-to-			S/X/Ka 3.7 m		Digital/Data Downlink

#	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
77	26459.2 - 26545.6	R	86M4G1D	Earth-to-Space			S/X/Ka 3.7 m		Digital/Data Downlink
78	26632 - 26718.4	R	86M4G1D	Earth-to-Space			S/X/Ka 3.7 m		Digital/Data Downlink
79	26718.4 - 26804.8	R	86M4G1D	Earth-to-Space			S/X/Ka 3.7 m		Digital/Data Downlink
80	2055.345 - 2096.6	R	1M31F1D	Earth-to-Space	54.78	29.63	S/X-BAND		Digital/Telecommand - S2912 - Flock HSU
81	8025 - 8400	R	66M8G1D	Earth-to-Space			S/X-BAND		Digital/Data Downlink
82	2082.938 - 2083.062	R	124KF1D	Earth-to-Space	54.786	39.872	S/X-BAND		SkySat TTC 2
83	2085.5 - 2086.6	R	1M1F1D	Earth-to-Space	46	21.607	S/X-BAND		Digital/Telecommand Tanager
84	8029.9 - 8030.1	R	200KG1D	Earth-to-Space			S/X-BAND		Digital/Telemetry downlink Tanager
85	2095.5 - 2096.6	R	1M1F1D	Earth-to-Space	46	21.6066731	S/X-BAND		Pelican HSU 2
86	2095.5 - 2096.6	R	1M1F1D	Earth-to-Space	46	21.6066731	S/X-BAND		Digital/Telecommand Tanager
87	2080.938 - 2081.062	R	124KF1D	Earth-to-Space	54.786	39.872	S/X-BAND		SkySat TTC 1
88	2056.5 - 2056.7	R	200KF1D	Earth-to-Space	46	29.01	S/X-BAND		Pelican TTC 1
89	2056.5 - 2056.7	R	200KF1D	Earth-to-Space	46	29.01	S/X-BAND		Digital/Telecommand Tanager
90	8039.9 - 8040.1	R	200KG1D	Earth-to-Space			S/X-BAND		Digital/Telemetry downlink Tanager
91	2066.5 - 2066.7	R	200KF1D	Earth-to-Space	46	29.01	S/X-BAND		Command Pelican TTC 2
92	2066.5 - 2066.7	R	200KF1D	Earth-to-Space	46	29.01	S/X-BAND		Digital/Telecommand Tanager
93	2085.55 - 2086.65	R	1M10F1D	Earth-to-Space	46	21.607	S/X-BAND		Pelican HSU 1



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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	UHF_UL
2	450.07 - 450.13			5	5	0	360	24.7	UHF_UL
3	401.27 - 401.33			5	5	0	360		UHF_DL
4	2055.345 - 2056.655			5	5	0	360	-999	S/X 1.8m
5	2082.938 - 2083.062			5	5	0	360	-999	S/X 1.8m
6	2080.938 - 2081.062			5	5	0	360	-999	S/X 1.8m
7	2054.045 - 2055.355			5	5	0	360	-999	S/X 1.8m
8	2095.5 - 2096.6			5	5	0	360	-999	S/X 1.8m
9	8379.872 - 8380.128			5	5	0	360		S/X 1.8m
10	8039.9 - 8040.1			5	5	0	360		S/X 1.8m
11	2056.645 - 2057.955			5	5	0	360	-999	S/X 1.8m
12	8374.872 - 8375.128			5	5	0	360		S/X 1.8m
13	8232.75 - 8327.25			5	5	0	360		S/X 1.8m
14	8029.9 - 8030.1			5	5	0	360		S/X 1.8m
15	2085.5 - 2086.6			5	5	0	360	-999	S/X 1.8m
16	8170 - 8230			5	5	0	360		S/X 1.8m
17	8132.75 - 8227.25			5	5	0	360		S/X 1.8m
18	8045 - 8105			5	5	0	360		S/X 1.8m
19	8032.75 - 8127.25			5	5	0	360		S/X 1.8m
20	8295 - 8355			5	5	0	360		S/X 1.8m
21	2056.5 - 2056.7			5	5	0	360	-999	S/X 1.8m
22	2066.5 - 2066.7			5	5	0	360	-999	S/X 1.8m
23	26113.6 - 26200			5	5	0	360		S/X 2.8 m
24	2055.345 - 2056.655			5	5	0	360	-999	S/X 2.8 m
25	2095.5 - 2096.6			5	5	0	360	-999	S/X 2.8 m
26	25854.4 - 25940.8			5	5	0	360		S/X 2.8 m
27	8039.9 - 8040.1			5	5	0	360		S/X 2.8 m
28	26286.4 - 26372.8			5	5	0	360		S/X 2.8 m
29	8295 - 8355			5	5	0	360		S/X 2.8 m
30	26718.4 - 26804.8			5	5	0	360		S/X 2.8 m
31	8232.75 - 8327.25			5	5	0	360		S/X 2.8 m
32	26027.2 - 26113.6			5	5	0	360		S/X 2.8 m

#	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		
33	8170 - 8230			5	5	0	360		S/X 2.8 m
34	2085.5 - 2086.6			5	5	0	360	-999	S/X 2.8 m
35	25595.2 - 25681.6			5	5	0	360		S/X 2.8 m
36	26459.2 - 26545.6			5	5	0	360		S/X 2.8 m
37	8132.75 - 8227.25			5	5	0	360		S/X 2.8 m
38	2056.645 - 2057.955			5	5	0	360	-999	S/X 2.8 m
39	26632 - 26718.4			5	5	0	360		S/X 2.8 m
40	2082.938 - 2083.062			5	5	0	360	-999	S/X 2.8 m
41	8379.872 - 8380.128			5	5	0	360		S/X 2.8 m
42	25940.8 - 26027.2			5	5	0	360		S/X 2.8 m
43	8045 - 8105			5	5	0	360		S/X 2.8 m
44	26545.6 - 26632			5	5	0	360		S/X 2.8 m
45	8029.9 - 8030.1			5	5	0	360		S/X 2.8 m
46	25768 - 25854.4			5	5	0	360		S/X 2.8 m
47	2054.045 - 2055.355			5	5	0	360	-999	S/X 2.8 m
48	26200 - 26286.4			5	5	0	360		S/X 2.8 m
49	26804.8 - 26891.2			5	5	0	360		S/X 2.8 m
50	25681.6 - 25768			5	5	0	360		S/X 2.8 m
51	2080.938 - 2081.062			5	5	0	360	-999	S/X 2.8 m
52	8374.872 - 8375.128			5	5	0	360		S/X 2.8 m
53	26372.8 - 26459.2			5	5	0	360		S/X 2.8 m
54	8032.75 - 8127.25			5	5	0	360		S/X 2.8 m
55	2056.5 - 2056.7			5	5	0	360	-999	S/X 2.8 m
56	2066.5 - 2066.7			5	5	0	360	-999	S/X 2.8 m
57	26113.6 - 26200			5	5	0	360		S/X/Ka 3.7 m
58	2056.5 - 2056.7			5	5	0	360	-999	S/X/Ka 3.7 m
59	2066.5 - 2066.7			5	5	0	360	-999	S/X/Ka 3.7 m
60	2085.5 - 2086.6			5	5	0	360	-999	S/X/Ka 3.7 m
61	2095.5 - 2096.6			5	5	0	360	-999	S/X/Ka 3.7 m
62	8029.9 - 8030.1			5	5	0	360		S/X/Ka 3.7 m
63	26804.8 - 26891.2			5	5	0	360		S/X/Ka 3.7 m
64	26804.8 - 26891.2			5	5	0	360		S/X/Ka 3.7 m
65	8039.9 - 8040.1			5	5	0	360		S/X/Ka 3.7 m
66	25508.8 - 25595.2			5	5	0	360		S/X/Ka 3.7 m
67	26027.2 - 26113.6			5	5	0	360		S/X/Ka 3.7 m
68	26200 - 26286.4			5	5	0	360		S/X/Ka 3.7 m
69	26286.4 - 26372.8			5	5	0	360		S/X/Ka 3.7 m
70	26372.8 - 26459.2			5	5	0	360		S/X/Ka 3.7 m
71	26545.6 - 26632			5	5	0	360		S/X/Ka 3.7 m
72	25595.2 - 25681.6			5	5	0	360		S/X/Ka 3.7 m
73	25681.6 - 25768			5	5	0	360		S/X/Ka 3.7 m
74	25768 - 25854.4			5	5	0	360		S/X/Ka 3.7 m
75	25854.4 - 25940.8			5	5	0	360		S/X/Ka 3.7 m
76	25940.8 - 26027.2			5	5	0	360		S/X/Ka 3.7 m
77	26459.2 - 26545.6			5	5	0	360		S/X/Ka 3.7 m

#	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		
78	26632 - 26718.4			5	5	0	360		S/X/Ka 3.7 m
79	26718.4 - 26804.8			5	5	0	360		S/X/Ka 3.7 m
80	2055.345 - 2096.6			5	5	0	360	-4.3	S/X-BAND
81	8025 - 8400			5	5	0	360		S/X-BAND
82	2082.938 - 2083.062			5	5	0	360	-4.3	S/X-BAND
83	2085.5 - 2086.6			5	5	0	360	-4.3	S/X-BAND
84	8029.9 - 8030.1			5	5	0	360		S/X-BAND
85	2095.5 - 2096.6			5	5	0	360	-4.3	S/X-BAND
86	2095.5 - 2096.6			5	5	0	360	-4.3	S/X-BAND
87	2080.938 - 2081.062			5	5	0	360	-4.3	S/X-BAND
88	2056.5 - 2056.7			5	5	0	360	-4.3	S/X-BAND
89	8039.9 - 8040.1			5	5	0	360		S/X-BAND
90	2066.5 - 2066.7			5	5	0	360	-4.3	S/X-BAND
91	2085.55 - 2086.65			5	5	0	360	-4.3	S/X-BAND



UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

EARTH STATION AUTHORIZATION

Name: Planet Labs PBC

Call Sign: E150004

Authorization Type: Modification

File Number: SES-MOD-20260604-01579

Grant Date: 2026-09-08 **Expiration Date:** 2030-09-30

D) Points of Communications

The following stations located in the Satellite orbits consistent with Sections B and C of this Entry:

- 1) Maddock to TANAGER (S3152) Non-Geo (U.S.-licensed satellite)
- 2) Maddock to M1 (WQ2XDK) Non-Geo (U.S.-licensed satellite)
- 3) Maddock to USASAT-30R Non-Geo (U.S.-licensed satellite)

EARTH STATION AUTHORIZATION

Grant Date: 2026-09-08 **Expiration Date:** 2030-09-30

#	Site ID	Antenna ID	Units	Diameter (Meters)	Manufacturer	Model Number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
1	Maddock	UHF_UL	4	2.7	M2 Inc.	450CP34	427.83	3.8 AGL / 431.63 AMSL	
Max Gains(s): 16.5 dBi @ 0.4500 GHz 16.5 dBi @ 0.4500 GHz									
Maximum total input power at antenna flange(Watts): 100									
Maximum aggregate output EIRP for all carriers(dBW): 36.5									
2	Maddock	UHF_DL	4	2.7	M2 Inc.	400CP30	427.83	3.8 AGL / 431.63 AMSL	
Max Gains(s): 16.5 dBi @ 0.4013 GHz									
Maximum total input power at antenna flange(Watts):									
Maximum aggregate output EIRP for all carriers(dBW):									
3	Maddock	S/X 1.8m	1	1.8	Orbital Systems	1.8TSX1-1.8m	427.83	1.6 AGL / 429.43 AMSL	
Max Gains(s): 29.6 dBi @ 2.0560 GHz 29.6 dBi @ 2.0830 GHz 29.6 dBi @ 2.0810 GHz									
29.6 dBi @ 2.0547 GHz 29.6 dBi @ 2.0960 GHz 41.6 dBi @ 8.3800 GHz									
41.6 dBi @ 8.0400 GHz 29.6 dBi @ 2.0573 GHz 41.6 dBi @ 8.3750 GHz									
41.6 dBi @ 8.2800 GHz 41.6 dBi @ 8.0300 GHz 29.6 dBi @ 2.0861 GHz									
41.6 dBi @ 8.2000 GHz 41.6 dBi @ 8.1800 GHz 41.6 dBi @ 8.0750 GHz									
41.6 dBi @ 8.0800 GHz 41.6 dBi @ 8.3250 GHz 29.6 dBi @ 2.0566 GHz									
29.6 dBi @ 2.0666 GHz									
Maximum total input power at antenna flange(Watts): 15									
Maximum aggregate output EIRP for all carriers(dBW): 41.4									
4	Maddock	S/X 2.8 m	2	2.8	Orbital Systems	3.0TSAX1-2.8m	427.83	2.2 AGL / 430.03 AMSL	
Max Gains(s): 55.5 dBi @ 26.1568 GHz 32.4 dBi @ 2.0560 GHz 32.4 dBi @ 2.0960 GHz									
55.5 dBi @ 25.8976 GHz 45.4 dBi @ 8.0400 GHz 55.5 dBi @ 26.3296 GHz									
45.4 dBi @ 8.3250 GHz 55.5 dBi @ 26.7616 GHz 45.4 dBi @ 8.2800 GHz									

#	Site ID	Antenna ID	Units	Diameter (Meters)	Manufacturer	Model Number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
		55.5 dBi @ 26.0704 GHz		45.4 dBi @ 8.2000 GHz		32.4 dBi @ 2.0861 GHz			
		55.5 dBi @ 25.6384 GHz		55.5 dBi @ 26.5024 GHz		45.4 dBi @ 8.1800 GHz			
		32.4 dBi @ 2.0573 GHz		55.5 dBi @ 26.6752 GHz		32.4 dBi @ 2.0830 GHz			
		45.4 dBi @ 8.3800 GHz		55.5 dBi @ 25.9840 GHz		45.4 dBi @ 8.0750 GHz			
		55.5 dBi @ 26.5888 GHz		45.4 dBi @ 8.0300 GHz		55.5 dBi @ 25.8112 GHz			
		32.4 dBi @ 2.0547 GHz		55.5 dBi @ 26.2432 GHz		55.5 dBi @ 26.8480 GHz			
		55.5 dBi @ 25.7248 GHz		32.4 dBi @ 2.0810 GHz		45.4 dBi @ 8.3750 GHz			
		55.5 dBi @ 26.4160 GHz		45.4 dBi @ 8.0800 GHz		32.4 dBi @ 2.0566 GHz			
		32.4 dBi @ 2.0666 GHz							
		Maximum total input power at antenna flange(Watts): 63							
		Maximum aggregate output EIRP for all carriers(dBW): 50.393							
5	Maddock	S/X/Ka 3.7 m	1	3.7	Tx Space	NOVA 37	427.83	7 AGL / 434.83 AMSL	
		Max Gains(s): 59.4 dBi @ 26.1568 GHz		37.3 dBi @ 2.0566 GHz		37.3 dBi @ 2.0666 GHz			
		37.3 dBi @ 2.0861 GHz		37.3 dBi @ 2.0961 GHz		49.1 dBi @ 8.0300 GHz			
		59.4 dBi @ 26.8480 GHz		59.4 dBi @ 26.8480 GHz		49.1 dBi @ 8.0400 GHz			
		59.4 dBi @ 25.5520 GHz		59.4 dBi @ 26.0704 GHz		59.4 dBi @ 26.2432 GHz			
		59.4 dBi @ 26.3296 GHz		59.4 dBi @ 26.4160 GHz		59.4 dBi @ 26.5888 GHz			
		59.4 dBi @ 25.6384 GHz		59.4 dBi @ 25.7248 GHz		59.4 dBi @ 25.8112 GHz			
		59.4 dBi @ 25.8976 GHz		59.4 dBi @ 25.9840 GHz		59.4 dBi @ 26.5024 GHz			
		59.4 dBi @ 26.6752 GHz		59.4 dBi @ 26.7616 GHz					
		Maximum total input power at antenna flange(Watts): 5.85							
		Maximum aggregate output EIRP for all carriers(dBW): 45							
6	Maddock	S/X-BAND	2	5	CGC	350SXR	427.83	7 AGL / 434.83 AMSL	
		Max Gains(s): 39.0 dBi @ 2.0560 GHz		50.4 dBi @ 8.2125 GHz		39.0 dBi @ 2.0830 GHz			
		39.0 dBi @ 2.0861 GHz		50.4 dBi @ 8.0300 GHz		39.0 dBi @ 2.0961 GHz			
		39.0 dBi @ 2.0960 GHz		39.0 dBi @ 2.0810 GHz		39.0 dBi @ 2.0566 GHz			
		50.4 dBi @ 8.0400 GHz		39.0 dBi @ 2.0666 GHz		39.0 dBi @ 2.0861 GHz			
		Maximum total input power at antenna flange(Watts): 37.9							
		Maximum aggregate output EIRP for all carriers(dBW): 54.8							

F) Remote Control Point:

Maddock 645 Harrison St Floor 4
San Francisco, SAN FRANCISCO, CA 94107
415-829-3313

Call Sign: N/A

G) Antenna Structure marking and lighting requirements:

None unless otherwise specified under Special and General Provisions.



UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

EARTH STATION AUTHORIZATION

Name: Planet Labs PBC

Call Sign: E150004

Authorization Type: Modification

File Number: SES-MOD-20260604-01579

Grant Date: 2026-09-08 **Expiration Date:** 2030-09-30

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.
- 5666 --- The Commission recently adopted a new part 100 to replace the part 25 rules that govern space communications. Space Modernization for the 21st Century, SB docket No. 25-306, Report and Order and Further Notice of Proposed Rulemaking, FCC 26-47 (rel. Jul. 23, 2026)(Space Modernization Report and Order and FNPRM). Those rule changes are not yet effective and will not become effective until the date announced by the Space Bureau via publication of a document in the Federal Register. See id. At para 420. Until then, part 25 remains in effect. However, once these new part 100 rule changes become effective, all space and earth station licensees and recipients of market access must fully comply with them, subject to any and all existing terms and conditions on active licenses and authorizations, unless specified otherwise.
- 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, 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.