

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WO9XBT

(Call Sign)

0143-EX-ST-2019

(File Number)

NAME Planet Labs

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

To validate a potential satellite to satellite communication scheme to be used for rapid turn around satellite tasking. Testing is ground based.

Station Locations

- (1) Mountain View (SANTA CLARA), CA - NL 37-24-29; WL 122-04-21
- (2) Mountain View (SANTA CLARA), CA - NL 37-24-29; WL 122-04-21

Frequency Information

Mountain View (SANTA CLARA), CA - NL 37-24-29; WL 122-04-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6295-6298 MHz	FX	1M00W1D	3 W (ERP)	0.001 %

This authorization effective March 15, 2019 and
will expire 3:00 A.M. EST September 15, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Mountain View (SANTA CLARA), CA - NL 37-24-29; WL 122-04-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6295-6298 MHz	FX	1M00W1D	192.82 kW (ERP)	0.001 %

Special Conditions:

- (1) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (2) The occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The stop buzzer contact for this project is (650) 575-3996, Henrique Miranda.
- (4) The authorized stations must be in compliance with the off-axis EIRP power spectral density (PSD) standards (the "off-axis mask") set forth in 25.218(d) for fixed C-band earth stations.
- (5) Prior to operations, licensee must complete the coordination with the terrestrial users pursuant with the procedure set forth in Section 25.203 (c) of the Commission's rules.
- (6) The stations are authorized, on a non-protected and non-harmful interference basis, to transmit to the geostationary-orbit space stations using the 6295-6298 MHz frequency band that are authorized by the Commissions. The stations authorized herein must immediately terminate operations upon notification that such operation is causing harmful interference to any other radio system lawfully operating in the 6295-6298 MHz frequency band. The stations authorized herein cannot claim protection from harmful interference from any radio system lawfully operating in the 6295-6298 MHz frequency band.
- (7) Operation pursuant to this authorization must be in compliance with the terms of coordination agreements between the authorized GSO C-band satellite operators operating in the 6295-6298 MHz frequency band and operators of other C-band geostationary space stations within six angular degrees of those space stations. In the event that another GSO FSS space station commences operation in the C-band at a location within six degrees of any of these space stations, earth stations operating pursuant to this temporary authority shall cease transmitting to that space station unless and until such operation has been coordinated with the new space station's operator or Licensee demonstrates that such operation will not cause harmful interference to the new co-frequency space station.
- (8) Communications between authorized station(s) and the C-band geostationary space stations must be in compliance with all existing and future space station coordination agreements reached between the C-band GSO operators and other administrations, and between the C-band GSO operators.

Special Conditions:

- (9) Licensee must coordinate with the Fixed Microwave Service licensees in accordance with 47 CFR. Part 101.103(d) prior to commencing the test operations.
- (10) POINT OF COMMUNICATION: Authorized Geostationary-satellite orbit (GSO) C-band satellites.
- (11) The Maximum ERP is limited to 192.82 kW.