

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL
(Nature of Service)

WH2XWB
(Call Sign)

XT FX MO
(Class of Station)

0356-EX-PL-2015
(File Number)

NAME Space Exploration Technologies Corp.

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(j) of the Commission's Rules

Station Locations

- (1) MOBILE: Nongeostationary - Inclination 86.6°, apogee 625 km, perigee 625 km
- (2) MOBILE: Nongeostationary - Inclination 86.6°, apogee 625 km, perigee 625 km
- (3) Redmond (KING), WA - NL 47-40-02; WL 122-05-40
- (4) Redmond (KING), WA - NL 47-40-02; WL 122-05-40
- (5) Fremont (ALAMEDA), CA - NL 37-29-36; WL 121-56-38
- (6) Hawthorne (LOS ANGELES), CA - NL 33-55-15; WL 118-19-41

Frequency Information

MOBILE: Nongeostationary - Inclination 86.6°, apogee 625 km, perigee 625 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10950-11050 MHz	MO	85M8D1W	1.1 kW (ERP)	0.001 %

This authorization effective July 22, 2016 and will expire 3:00 A.M. EST August 01, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Nongeostationary - Inclination 86.6°, apogee 625 km, perigee 625 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8027.5-8087.5 MHz	MO	11M6G1D	19.3 W (ERP)	0.001 %

Redmond (KING), WA - NL 47-40-02; WL 122-05-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14200-14300 MHz	FX	85M8D1W	19 kW (ERP)	0.001 %

Redmond (KING), WA - NL 47-40-02; WL 122-05-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2077.5-2105.5 MHz	FX	11M6G1D	122 kW (ERP)	4.0E-6 %

Fremont (ALAMEDA), CA - NL 37-29-36; WL 121-56-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14200-14300 MHz	FX	85M8D1W	19 kW (ERP)	0.001 %

Frequency Information

Hawthorne (LOS ANGELES), CA - NL 33-55-15; WL 118-19-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14200-14300 MHz	FX	85M8D1W	19 kW (ERP)	0.001 %

Special Conditions:

- (1) Following launch of the satellite, the licensee must notify the FCC through electronic submission to the license file, of the status of the satellite (transmissions commenced, etc.), not later than 7 days after commencement or expected commencement of transmissions, and of termination of transmissions, not later than three months after such termination.
- (2) 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.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (5) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at http://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.
- (6) Upon receipt of a conjunction warning from the JSpOC or other source, the licensee must review the warning and take all possible steps to assess and, if necessary, to mitigate collision risk, including, but not limited to: contacting the operator of any active spacecraft involved in such warning; sharing ephemeris data and other appropriate operational information with any such operator; modifying spacecraft attitude and/or operations.