

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

EXPERIMENTAL
(Nature of Service)

W12XUB
(Call Sign)

XT FX MO
(Class of Station)

0101-EX-CN-2017
(File Number)

NAME Space Explorations Technologies

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) Cape Canaveral (BREVARD), FL - NL 28-33-43; WL 80-34-38
- (2) Cape Canaveral (BREVARD), FL - NL 28-36-30; WL 80-36-15
- (3) Cape Canaveral (BREVARD), FL - NL 28-36-30; WL 80-36-15
- (4) Cape Canaveral (BREVARD), FL - NL 28-37-27; WL 80-41-12
- (5) Vandenberg AFB (SANTA BARBARA), CA - NL 34-43-09; WL 120-31-52
- (6) Vandenberg AFB (SANTA BARBARA), CA - NL 34-37-55; WL 120-36-33
- (7) Cape Canaveral (BREVARD), FL - NL 28-32-37; WL 80-35-24
- (8) Cape Canaveral AFS (BREVARD), FL - NL 28-24-47; WL 80-37-13; MOBILE: Port Canaveral, within 10 km, centered around NL 28-24-47; WL 80-37-13
- (9) Cape Canaveral AFS (BREVARD), FL - NL 28-24-47; WL 80-37-13; MOBILE: Port Canaveral, within 10 km, centered around NL 28-24-47; WL 80-37-13
- (10) San Pedro (LOS ANGELES), CA - NL 33-43-17; WL 118-16-29; MOBILE: Port of Los Angeles, within 10 km, centered around NL 33-43-17; WL 118-16-29
- (11) San Pedro (LOS ANGELES), CA - NL 33-43-17; WL 118-16-29; MOBILE: Port of Los Angeles, within 10 km, centered around NL 33-43-17; WL 118-16-29

Frequency Information

Cape Canaveral (BREVARD), FL - NL 28-33-43; WL 80-34-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2040.5675 MHz	FX	5K00G1D	3 W (ERP)	0.00003 %

This authorization effective April 19, 2017 and will expire 3:00 A.M. EST May 01, 2019

FEDERAL COMMUNICATIONS COMMISSION



Frequency Information

Cape Canaveral (BREVARD), FL - NL 28-33-43; WL 80-34-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2090 MHz	FX	800KG1D	3 W (ERP)	0.000225 %

Cape Canaveral (BREVARD), FL - NL 28-36-30; WL 80-36-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2040.5675 MHz	FX	5K00G1D	3 W (ERP)	0.00003 %
2090 MHz	FX	800KG1D	3 W (ERP)	0.000225 %

Cape Canaveral (BREVARD), FL - NL 28-36-30; WL 80-36-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2040.5675 MHz	FX	5K00G1D	3 W (ERP)	0.00003 %
2090 MHz	FX	800KG1D	3 W (ERP)	0.000225 %

Cape Canaveral (BREVARD), FL - NL 28-37-27; WL 80-41-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2040.5675 MHz	FX	5K00G1D	354.2 kW (ERP)	0.00003 %

Frequency Information

Cape Canaveral (BREVARD), FL - NL 28-37-27; WL 80-41-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2090 MHz	FX	800KG1D	354.2 kW (ERP)	0.000225 %

Vandenberg AFB (SANTA BARBARA), CA - NL 34-43-09; WL 120-31-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2040.5675 MHz	FX	5K00G1D	5400 W (ERP)	0.00003 %
2090 MHz	FX	800KG1D	5400 W (ERP)	0.000225 %

Vandenberg AFB (SANTA BARBARA), CA - NL 34-37-55; WL 120-36-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2040.5675 MHz	FX	5K00G1D	3 W (ERP)	0.00003 %
2090 MHz	FX	800KG1D	3 W (ERP)	0.000225 %

Cape Canaveral (BREVARD), FL - NL 28-32-37; WL 80-35-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2040.5675 MHz	FX	5K00G1D	5400 W (ERP)	0.00003 %

Frequency Information

Cape Canaveral (BREVARD), FL - NL 28-32-37; WL 80-35-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2090 MHz	FX	800KG1D	5400 W (ERP)	0.000225 %

Cape Canaveral AFS (BREVARD), FL - NL 28-24-47; WL 80-37-13; MOBILE: Port Canaveral, within 10 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2090 MHz	MO	800KG1D	3 W (ERP)	0.000225 %

Cape Canaveral AFS (BREVARD), FL - NL 28-24-47; WL 80-37-13; MOBILE: Port Canaveral, within 10 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2090 MHz	MO	800KG1D	3 W (ERP)	0.000225 %

San Pedro (LOS ANGELES), CA - NL 33-43-17; WL 118-16-29; MOBILE: Port of Los Angeles, within 10 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2090 MHz	MO	800KG1D	3 W (ERP)	0.000225 %

Frequency Information

San Pedro (LOS ANGELES), CA - NL 33-43-17; WL 118-16-29; MOBILE: Port of Los Angeles, within 10 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2090 MHz	MO	800KG1D	3 W (ERP)	0.000225 %

Special Conditions:

- (1) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9102 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir@sbe.org; information, www.sbe.org.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.