

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

EXPERIMENTAL

(Nature of Service)

XT      FX MO

(Class of Station)

WI2XUB

(Call Sign)

0103-EX-CR-2019

(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
- (12) Vandenberg AFB (SANTA BARBARA), CA - NL 34-38-00; WL 120-36-57
- (13) Boca Chica (CAMERON), TX - NL 25-59-27; WL 97-10-55
- (14) Vandenberg AFB (SANTA BARBARA), CA - NL 34-37-53; WL 120-36-31

This authorization effective May 01, 2019 and  
will expire 3:00 A.M. EST May 01, 2022

**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 (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 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 28-36-30; 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 %                |

## Frequency Information

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 %                 |
| 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 %                |

## Frequency Information

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 %                 |
| 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 %                |

Vandenberg AFB (SANTA BARBARA), CA - NL 34-38-00; WL 120-36-57

| 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 %                |

Boca Chica (CAMERON), TX - NL 25-59-27; WL 97-10-55

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 2090 MHz  | FX            | 800KG1D             | 1 MW (ERP)       | 0.000225 %                |

Vandenberg AFB (SANTA BARBARA), CA - NL 34-37-53; WL 120-36-31

| 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 %                |

**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](mailto:executivedir@sbe.org); information, [www.sbe.org](http://www.sbe.org).
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.