

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

EXPERIMENTAL

(Nature of Service)

W12XTA

(Call Sign)

XT FX

(Class of Station)

0613-EX-ST-2017

(File Number)

NAME SpaceX

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:

The brief test will utilize a directional antenna to transmit along an azimuth/elevation path from one horizon to the other.

Station Locations

(1) Brewster (OKANOGAN), WA - NL 48-08-50; WL 119-41-49

Frequency Information

Brewster (OKANOGAN), WA - NL 48-08-50; WL 119-41-49

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|--------------|---------------|-------------------------------|------------------|---------------------------|
| 13.85-14 GHz | FX | 13M5D7W 2M70D7W 41M4D7W | 6195 kW (ERP) | 2.0E-6 % |

Special Conditions:

- (1) The transmitting antenna elevation angle is limited between 40 to 90 degrees. Transmissions below 40 degrees are prohibited.
- (2) Licensee must avoid pointing the main beam gain antenna within 15 degrees of any point on the geostationary orbital arc.

This authorization effective June 02, 2017 and will expire 3:00 A.M. EST December 01, 2017

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Special Conditions:

- (3) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (4) This authorization SUPERSEDES the previously issued authorization with the same call sign and file number: adds three special conditions.