

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

EXPERIMENTAL

(Nature of Service)

WH2XUB

(Call Sign)

XT FX

(Class of Station)

1729-EX-ST-2020

(File Number)

NAME Space Exploration Technologies Corp (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:**

Testing of the Falcon 9 and Falcon Heavy launch vehicle systems from the SpaceX Rocket Development and Test Facility in McGregor, Texas.

Station Locations

- (1) McGregor (MCLENNAN), TX - NL 31-23-19; WL 97-28-08
- (2) McGregor (MCLENNAN), TX - NL 31-23-55; WL 97-27-48

**Frequency Information**

McGregor (MCLENNAN), TX - NL 31-23-19; WL 97-28-08

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 2090 MHz  | FX            | 800KG1D             | 3 W (ERP)        | 0.00025 %                 |

This authorization effective December 02, 2020 and will expire 3:00 A.M. EST June 02, 2021

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

McGregor (MCLENNAN), TX - NL 31-23-55; WL 97-27-48

| Frequency  | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|------------|---------------|---------------------|------------------|---------------------------|
| 2090 MHz   | FX            | 800KG1D             | 3 W (ERP)        | 0.00025 %                 |
| 2232.5 MHz | FX            | 4M14F1D             | 20.65 W (ERP)    | 0.000225 %                |
| 2247.5 MHz | FX            | 4M84F1D             | 20.65 W (ERP)    | 0.000225 %                |
| 2255.5 MHz | FX            | 4M84F1D             | 20.65 W (ERP)    | 0.000225 %                |
| 2272.5 MHz | FX            | 4M14F1D             | 20.65 W (ERP)    | 0.000225 %                |
| 2370.5 MHz | FX            | 4M88G1D             | 20.65 W (ERP)    | 0.00025 %                 |
| 2382.5 MHz | FX            | 4M88G1D             | 20.65 W (ERP)    | 0.00025 %                 |

## Special Conditions:

- (1) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to its authorization with AFMO CONUS, Ft. Sam Houston, TX, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with AFMO CONUS, Ft. Sam Houston, TX, as necessary to ensure compatibility with existing uses.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at [https://www.sbe.org/sections/freq\\_local.php](https://www.sbe.org/sections/freq_local.php) to find the appropriate coordinator.

**Special Conditions:**

- (4) All SpaceX operations granted on an experimental basis shall be on an unprotected, non-interference basis to authorized federal stations, and SpaceX should be aware that any interference to these users will subject the licensee to immediate shut down.