

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

EXPERIMENTAL

(Nature of Service)

WH2XUB

(Call Sign)

XT FX

(Class of Station)

1176-EX-ST-2018

(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
- (3) McGregor (MCLENNAN), TX - NL 31-23-20; WL 97-28-08

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	65.4 W (ERP)	0.00025 %

This authorization effective July 20, 2018 and will expire 3:00 A.M. EST January 14, 2019

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Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2209 MHz	FX	4M14F1D 4M84F1D	11.8 W (ERP)	0.00025 %
2211 MHz	FX	4M14F1D 3M22F1D	20.65 W (ERP)	0.00025 %
2232.5 MHz	FX	3M22F1D	20.65 W (ERP)	0.00025 %
2255.5 MHz	FX	4M14F1D 3M22F1D	20.65 W (ERP)	0.00025 %
2272.5 MHz	FX	3M22F1D	20.65 W (ERP)	0.00025 %
2370.5 MHz	FX	4M88G1D	20.65 W (ERP)	0.00025 %
2382.5 MHz	FX	4M88G1D	20.65 W (ERP)	0.00025 %

McGregor (MCLENNAN), TX - NL 31-23-20; WL 97-28-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2209 MHz	FX	4M14F1D 4M84F1D	0.000034 W (ERP)	0.00025 %

Frequency Information

McGregor (MCLENNAN), TX - NL 31-23-20; WL 97-28-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2211 MHz	FX	3M22F1D 4M14F1D	0.000034 W (ERP)	0.00025 %
2232.5 MHz	FX	3M22F1D	0.000034 W (ERP)	0.00025 %
2255.5 MHz	FX	4M14F1D 3M22F1D	0.000034 W (ERP)	0.00025 %
2272.5 MHz	FX	3M22G1D	0.000034 W (ERP)	0.00025 %
2370 MHz	FX	4M88G1D	0.000034 W (ERP)	0.00025 %
2382.5 MHz	FX	4M88F1D	0.000034 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) 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.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

Special Conditions:

- (4) Space Exploration Technologies Corp (SpaceX) shall coordinate with the Naval Surface Warfare Center, Dahlgren Division (NSWCDD), Mr. James Moneyhon, (540)653-3477, or james.moneyhon@navy.mil, a minimum of sixty (60) days prior to the flight test, to mitigate harmful interference to Navy/Marine Corps/DoD operations. Space Exploration Technologies Corp (SpaceX) must also comply with any and all restrictions that may be levied by the Naval Surface Warfare Center, Dahlgren Division (NSWCDD).
- (5) SpaceX shall be aware that requests for operation in the 2200-2290 MHz frequency band will be considered on a case-by-case basis, and SpaceX shall have no expectations that future requests for operation in this frequency band will be approved.