

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

EXPERIMENTAL

(Nature of Service)

WJ9XFQ

(Call Sign)

XT    FX MO

(Class of Station)

1694-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:**

Experimental first-stage recovery operation for Falcon 9 launch of SpaceX Mission 1404.

Station Locations

- (1) Cape Canaveral AFS (BREVARD), FL - NL 28-29-10; WL 80-32-49
- (2) Cape Canaveral AFS (BREVARD), FL - NL 28-32-37; WL 80-35-24
- (3) MOBILE: Launch vehicle stage 1 landing site, within 10 km, centered around NL 28-29-09; WL 80-32-35

**Frequency Information**

Cape Canaveral AFS (BREVARD), FL - NL 28-29-10; WL 80-32-49

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

This authorization effective November 21, 2018 and will expire 3:00 A.M. EST April 21, 2019

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Cape Canaveral AFS (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 %

MOBILE: Launch vehicle stage 1 landing site, within 10 km, centered around NL 28-29-09; WL 80-32-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4225 MHz	MO	40M0F3N	1 mW (ERP)	0.0005 %

## Special Conditions:

- (1) 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](http://freq.sbe.org/pdf_files/coordinators.pdf) to find the appropriate coordinator.
- (2) All operations shall be limited to the TC uplink from an onshore station at CCAFS that covers the experimental first-stage descent recovery operation, following a Falcon 9 launch for mission 1404 from Cape Canaveral. This includes pre-launch check-out operations at CCAFS as pre-coordinated with the launch Range. This STA will expire as soon as the first-stage recovery operation has been completed for mission 1404 or 21 April 2019, whichever occurs first.
- (3) Prior to transmitting at CCAFS, Florida, SpaceX shall coordinate and schedule their operations with Range Scheduling, COMM: (321- 853-5941, email: [1ropschd@us.af.mil](mailto:1ropschd@us.af.mil))
- (4) SpaceX shall coordinate with the Naval Surface Warfare Center, Dahlgren Division (NSWCDD), Mr. James Moneyhon, (540)653-3477, or [james.moneyhon@navy.mil](mailto:james.moneyhon@navy.mil), a minimum of 60-days prior to any operations, to mitigate harmful interference to Navy and Marine Corps operations. The launch vehicle provider must also comply with any and all restrictions that may be levied by the Naval Surface Warfare Center, Dahlgren Division (NSWCDD).