

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

EXPERIMENTAL

(Nature of Service)

WE9XLB

(Call Sign)

XD FX MO

(Class of Station)

0322-EX-ST-2010

(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:

SpaceX will utilize a telemetry and video transmitter.

Station Locations

- (1) Cape Canaveral (BREVARD), FL - NL 28-34-00; WL 80-34-00; MOBILE: Launch Complex 40, Cape Canaveral Air Force Station, First Stage Falcon 9, within 250 km, within 250 km, centered around NL 28-34-00; WL 80-34-00
- (2) MOBILE: Second Stage Falcon 9 Booster

Frequency Information

Cape Canaveral (BREVARD), FL - NL 28-34-00; WL 80-34-00; MOBILE: Launch Complex 40, Cape Canaveral Air Force Sta

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2221.5 MHz	MO	3M35F1D	10 W (ERP)	0.002 %
2221.5 MHz	MO	1M61G1D	10 W (ERP)	0.002 %

This authorization effective August 01, 2010 and will expire 3:00 A.M. EST February 01, 2011

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Cape Canaveral (BREVARD), FL - NL 28-34-00; WL 80-34-00; MOBILE: Launch Complex 40, Cape Canaveral Air Force Sta

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2273.5 MHz	MO	9M80F3F	10 W (ERP)	0.002 %

MOBILE: Second Stage Falcon 9 Booster

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2213.5 MHz	MO	1M61G1D	20 W (ERP)	0.002 %
2213.5 MHz	MO	3M35F1D	20 W (ERP)	0.002 %
2251.5 MHz	MO	9M80F3F	10 W (ERP)	0.002 %
5765 MHz	MO	12M0LXN	8 W (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) Coordination and pre-scheduling with DOD Eastern Area Frequency Coordinator (EAFC). launch. The Point of Contact for the DOD EAFC is Mr. Richard Akers at 321-494-5838. EAFC will provide Air Force with pre-coordinate launch data information for further analysis prior to launch.
- (4) All operations shall be on an unprotected, non-harmful interference basis to government operations.
- (5) All operations shall be limited to telemetry, tracking, and control (TT&C) during pre-launch checks and launch.

Special Conditions:

- (6) SpaceX will inform NTIA (skotler@ntia.doc.gov, 202-482-7983) at least 24 hours prior to the planned launch and commencement of operations, as well as; 45th Space Wing & Space Communications Squadron (Scott Connolley scott.connolley@patrick.af.mil, 321-494-5838), NASA Langley Research Center (POC Lee Joyce, 757-864-6737 or email Claude.L.Joyce@nasa.gov).