

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

EXPERIMENTAL

(Nature of Service)

WF9XDK

(Call Sign)

XD MO

(Class of Station)

0526-EX-ST-2011

(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:

The purpose of the operation (the Demo C2 mission) is to demonstrate the capability to launch a capsule that can dock with the International Space Station.

Station Locations

- (1) MOBILE: Launch Complex 40, Cape Canaveral Air Force Station, and down-range during flight, within 250 km, centered around NL 28-34-00; WL 80-34-00
- (2) MOBILE: Launch Complex 40, Cape Canaveral AFS, FL, and down-range, within 250 km, centered around NL 28-34-00; WL 28-34-00

Frequency Information

MOBILE: Launch Complex 40, Cape Canaveral Air Force Station, and down-range during flight, within 250 km, centered around NL 28-34-00; WL 80-34-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2221.5 MHz	MO	3M66F1D 1M76G1D	20 W (ERP)	0.002 %
2273.5 MHz	MO	9M80F3F	10 W (ERP)	0.002 %

This authorization effective April 13, 2012 and
will expire 3:00 A.M. EST May 19, 2012

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Launch Complex 40, Cape Canaveral AFS, FL, and down-range, within 250 km, centered around NL 28-34-00; WL 28-34-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2213.5 MHz	MO	3M35F1D 1M61G1D	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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) All operations shall be on an unprotected, non-harmful interference basis to government operations.
- (4) All operations shall be limited to telemetry, tracking, and control (TT&C) during pre-launch checks and launch.
- (5) 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).
- (6) The Federal Communications Commission grants this license to Space Exploration Technologies Corp. This grant will be updated to reflect receipt for the following documents;
 1. April 13, 2012 Letter from Kenneth Wong, Manager, FAA Licensing and Evaluation Division to Julius Knap, Chief, Office of Engineer and Technology, FCC, providing FAA risk assessment.
 2. April 3, 2012 Letter from Tim Hughes, SVP, SpaceX regarding pending license application elements.
 3. April 2, 2012 Letter from Jeff Poliseno, CEO, International Space Brokers to Space Exploration Technologies regarding assessments of insurance liability issues.

In addition, it is noted that the information seeking to establish the unavailability of insurance provided in SpaceX's April 3 letter and attachment did not form a basis for the grant of this STA.