David J. Den Herder, 1030 15th Street, NW, Suite 220 E, Washington, DC 20005,

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL	WG9XHP
(Nature of Service)	(Call Sign)
XT MO	0072-EX-ST-2013
(Class of Station)	(File Number)

NAME Space Exploration Technologies Corp.

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:
Launch communications for ISS supply mission.

Station Locations
(1) MOBILE: Falcon Launch Vehicle, First Stage
(2) MOBILE: Falcon Launch Vehicle, Second Stage

Frequency Information

MOBILE: Falcon Launch Vehicle, First Stage

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2221.5 MHz	MO	3M66F1D	22 W (ERP)	
2273.5 MHz	MO	3M66F1D	20 W (ERP)	

This authorization effective March 01, 2013 and
will expire 3:00 A.M. EST September 01, 2013

FEDERAL COMMUNICATIONS COMMISSION

Frequency Information

MOBILE: Falcon Launch Vehicle, Second Stage

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2213.5 MHz	MO	3M66F1D	8 W (ERP)	0.002 %
2251.5 MHz	MO	3M66F1D	8 W (ERP)	0.002 %
5765 MHz	MO	2M00LXN	193 W (ERP)	

Special Conditions:

(1) All SpaceX operations granted on an experimental basis shall be on an unprotected, non-interference basis to authorized federal stations.

(2) Use of this STA is for a single demonstration of a low-cost, commercial capability to transport cargo to the International Space Station (ISS) and return it safely to the Earth mission only. This STA is limited to the single Falcon 9 launch scheduled, as of 19 February 2013, for no earlier than 1 March 2013. This STA will expire as soon as the launch has been completed. Any future launches will need to submit applications to the FCC to be re-coordinated with NTIA.

(3) SpaceX shall be aware that future non-federal launches will be considered on a case-by-case basis, especially for requests in the band 2200-2290 MHz, and SpaceX shall have no expectations that future launches will be approved.

(4) Prior to transmitting, SpaceX shall coordinate and schedule their operations through:
a) at KSC, the KSC spectrum manager (Steve Schindler, steven.f.schindler@nasa.gov) to receive a KSC local RFA that will detail specific local operational requirements; and
b) at KSC and Cape Canaveral Air Force Station (CCAFS), the Eastern Range Scheduling office (321) 853-5941; 45th Spectrum Wing Spectrum Office 24/7 (321) 494-5838.

(5) The STOP BUZZER POC information, for both for ground testing and for launch/on-orbit/reentry operations, is:

SpaceX Mission Control Center
Dragon Communication Coordinator Console
Direct: (310) 363-6119

This phone shall be manned by the staff communications coordinator 24/7.

(6) All transmissions in the band 2200-2290 MHz will comply with national and international power flux-density limits.

Special Conditions:

(7) SpaceX shall keep a log of all transmissions in the band 2200-2290 MHz that would be provided to NTIA after the mission. This log should include at least date, time, frequency, eirp density, and pointing direction of the antenna. The log should be provided to the following people at NTIA: skotler@ntia.doc.gov and edavison@ntia.doc.gov.