David J. Den Herder, SpaceX DC Office, 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	0557-EX-ST-2014
(Class of Station)	(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:
Launch vehicle communications, for commercial space launch mission from Cape Canaveral.

Station Locations
(1) MOBILE: Complex 40, Cape Canaveral AFS, Florida: Launch Vehicle 1st Stage - Suborbital Trajectory
(2) MOBILE: Complex 40, Cape Canaveral AFS, Florida: Launch Vehicle 2nd Stage - Orbital Trajectory

Frequency Information

MOBILE: Complex 40, Cape Canaveral AFS, Florida: Launch Vehicle 1st Stage - Suborbital Trajectory

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2221.5 MHz	MO	3M27F1D	31.6 W (ERP)	0.002 %
2273.5 MHz	MO	3M27F1D	31.6 W (ERP)	0.002 %

This authorization effective August 01, 2014 and will expire 3:00 A.M. EST January 01, 2015

FEDERAL COMMUNICATIONS COMMISSION

Frequency Information

MOBILE: Complex 40, Cape Canaveral AFS, Florida: Launch Vehicle 2nd Stage - Orbital Trajectory

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2213.5 MHz	MO		23.1 W (ERP)	0.002 %
		3M27F1D		
		0M96F1D		
2251.5 MHz	MO		25 W (ERP)	0.002 %
		3M27F1D		
		2M00F1D		
5765 MHz	MO		193 W (ERP)	
		2M00LXN		

Special Conditions:

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

(2) All operations shall be limited to telemetry, tracking, and control (TT&C). This STA is limited to the single Falcon 9 launch scheduled for no earlier than August 01, 2014, to support the launch vehicle communications for AsiaSat-6 commercial launch mission to GTO. This STA will expire as soon as the launch has been completed or by December 31, 2014, whichever occurs first. Any future launches will need to submit applications to the FCC to be recoordinated 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) As soon as possible, but no later than seven days prior to the planned launch, SpaceX is required to provide Mr. Jimmy Nguyen (jimmy.nguyen@pentagon.af.mil, (301-225- 3729), Air Force Spectrum Management Office (AFSMO), Rich Rood (richard.l.rood@nasa.gov, 661-276-2138, NASA Dryden SMO), Farzin Manshadi (farzin.manshadi@jpl.nasa.gov, 818-354-0068, NASA JPL/DSN SMO), Scott Galbraith (vincent.s.galbraith@nasa.gov, 301-286-5089, NASA GSFC SMO), the NOAA Satellite Operations Control Center (SOCC) Shift Supervisor (301) 817-4198 with the planned launch date/time/window/duration. In the event of last minute changes, 48 hour notice is requested.

(5) Prior to transmitting at Cape Canaveral AFS, Florida, SpaceX shall coordinate and schedule their operations through the Eastern Range Scheduling Office, Mr. Steve Parish, COMM:321-853-2012, Stephen.Parish.1@us.af.mil, Steven Schindler (steven.f.schindler@nasa.gov, 321-867-2520, NASA KSC SMO), and Scott Galbraith (vincent.s.galbraith@nasa.gov, 301-286-5089, NASA GSFC SMO).

(6) The STOP BUZZER POC information, for launch operations shall be provided to NTIA (bmitchell@ntia.doc.gov). This phone shall be manned 24/7.

Special Conditions:

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

(8) 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: bmitchell@ntia.doc.gov and edrocella@ntia.doc.gov.

(9) SpaceX must coordinate with the Naval Surface Warfare Center, Dahlgren Division (NSWCDD), Mr. James Moneyhon (540)653-3477, or james.moneyhon@navy.mil. a minimum of 30-days prior to any operations to mitigate harmful interference to Navy and Marine Corps operations. SpaceX must also comply with any and all restrictions that may be levied by the Naval Surface Warfare Center, Dahlgren Division (NSWCDD).