

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

EXPERIMENTAL

(Nature of Service)

WG9XHP

(Call Sign)

XT MO

(Class of Station)

0893-EX-ST-2013

(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 Vandenberg AFB.

Station Locations

- (1) MOBILE: Launch Vehicle 1st Stage - Suborbital Trajectory
- (2) MOBILE: Launch Vehicle 2nd Stage - Orbital Trajectory

Frequency Information

MOBILE: 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 October 18, 2013 and
will expire 3:00 A.M. EST April 18, 2014

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Launch Vehicle 2nd Stage - Orbital Trajectory

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

Special Conditions:

- (1) Space Exploration Technologies must coordinate with the Western Area Frequency Coordinator (WAFC), Mr. J. Szelog at (760) 939-6948 prior to any California operations to mitigate harmful interference to Navy and Marine Corps assignments. The Space Exploration Technologies Corp. must also comply with any and all restrictions that may be levied by WAFC.