

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

EXPERIMENTAL

(Nature of Service)

WF9XJL

(Call Sign)

XD MO

(Class of Station)

0015-EX-ST-2012

(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:

This STA does not involve flight. The Dragon spacecraft and Falcon 9 booster will radiate from Space Launch Complex 40 (SLC-40) at Cape Canaveral Air Force Station (CCAFS) to the nearby

Station Locations

- (1) MOBILE: Cape Canaveral, FL - 9 First and Second Stage Booster/ Dragon, centered around NL 28-34-; WL 80-34-

Frequency Information

MOBILE: Cape Canaveral, FL - 9 First and Second Stage Booster/ Dragon, centered around NL 28-34-; WL 80-34-

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2205.5 MHz	MO	406KF1D	20 W (ERP)	0.002 %
2213.5 MHz	MO	1M61G1D	20 W (ERP)	0.002 %
2216 MHz	MO	12K4G1D	20 W (ERP)	0.002 %

This authorization effective February 16, 2012 and will expire 3:00 A.M. EST August 01, 2012

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Cape Canaveral, FL - 9 First and Second Stage Booster/ Dragon, centered around NL 28-34-; WL 80-34-

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2221.5 MHz	MO	1M76G1D	20 W (ERP)	0.002 %
2231.5 MHz	MO	2M32F1F	20 W (ERP)	0.002 %
2251.5 MHz	MO	9M80F3F	10 W (ERP)	0.002 %
2273.5 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) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (3) NASA concurs provided all frequency use must be scheduled through the Eastern Range Scheduling office.
- (4) This STA appears to be a follow on to the NASA temporary RFAs for Falcon/Dragon ground testing that will expire on 31 January 2012. In addition to the frequencies listed in this STA, 400.5 MHz and 2040.5675 MHz are currently authorized by the NASA temporary RFAs. Use of these frequencies will not be authorized after 31 January 2012. When pending FCC STA 0657-EX-ST-2011 is approved, both frequencies will again be authorized, but 400.5 MHz will be authorized for SPACE only (per the STA). If SpaceX wishes to utilize 400.5 MHz at Kennedy Space Center and/or Cape Canaveral Air Force Station after 31 Jan 2012, they will need to file another STA request.
- (5) NTIA's concurrence for this request does not mean that NTIA will approve such future requests.
- (6) This license SUPERSEDES the previously issued license with the same call sign and file number: Remove 400.5 MHz frequency.