

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

EXPERIMENTAL

(Nature of Service)

WI9XWA

(Call Sign)

XT MO

(Class of Station)

0845-EX-ST-2015

(File Number)

NAME Lockheed Martin Corporation

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 Space Launch Complex 41 (SLC-41) at Cape Canaveral Air Force Station in Florida.

Station Locations

- (1) MOBILE: Launch Vehicle -- Orbital Trajectory
- (2) MOBILE: Launch Vehicle -- Orbital Trajectory

Frequency Information

MOBILE: Launch Vehicle -- Orbital Trajectory

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2211 MHz	MO	6M40G7D	55.7 W (ERP)	0.002 %
2211 MHz	MO	1M02G1D	55.7 W (ERP)	0.002 %

This authorization effective September 01, 2015 and
will expire 3:00 A.M. EST March 02, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Launch Vehicle -- Orbital Trajectory

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2287.5 MHz	MO	161KG2D	5.8 W (ERP)	0.002 %

Special Conditions:

- (1) Launch operations (ground testing, pre-launch and launch) under this STA shall be on an unprotected, non-interference basis to authorized AF stations.
- (2) This STA is to support the single launch of the Mexsat-2/Morelos-3 space craft. This STA will expire as soon as the launch completes or by 1 March 2016, whichever occurs first. Any future requests or extensions will need to submit applications to the FCC to be re-coordinated with NTIA.
- (3) Lockheed Martin shall be aware that the requested transmission of 6M40G7D from space in the band 2200-2290 MHz does not conform to NTIA manual. Future requests for transmission from space in the band 2200-2290 MHz with emission greater than 5 MHz will be considered on a case-by-case basis, and Lockheed Martin shall have no expectations that it will be approved.
- (4) Prior to transmitting at Cape Canaveral AFS, Florida, Lockheed Martin shall coordinate and schedule their operations through the Eastern Range Scheduling Office, Mr Steve Parish (Stephen.Parish.1@us.af.mil, COMM 321-853-2012), USAF AFSPC 1 ROPS/DOUS.
- (5) As soon as possible, but no later than seven days prior to the planned launch, Lockheed Martin is required to provide Mr. Jimmy Nguyen (jimmy.nguyen@us.af.mil, (301-225- 3729)), Air Force Spectrum Management Office (AFSMO), with the planned launch date/time/window. In the event of last minute changes, 48 hour notice is requested.
- (6) The STOP BUZZER POC information, for launch operations shall be provided to NTIA, Brandon Mitchell (bmitchell@ntia.doc.gov). This phone shall be manned 24/7.
- (7) Lockheed Martin Corporation 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. The Lockheed Martin Corporation must also comply with any and all restrictions that may be levied by the Naval Surface Warfare Center, Dahlgren Division (NSWCDD).