

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WI2XST

(Call Sign)

0097-EX-CN-2017

(File Number)

NAME Lockheed Martin Corporation

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(c) of the Commission's Rules

Station Locations

- (1) MOBILE: Vandenberg AFB, CA. Within 30 nm of coordinates Max alt 15000 ft, within 55.5 km, centered around NL 34-37-34; WL 120-33-13

Frequency Information

MOBILE: Vandenberg AFB, CA. Within 30 nm of coordinates Max alt 15000 ft, within 55.5 km, centered around NL 34-37-34; WL 120-33-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1700 MHz	MO	280KF1D	1 W (ERP)	
1673.5-1755 MHz	MO	4M79G1D	2 W (ERP)	
2206 MHz	MO	9M58G1D	10 W (ERP)	
2224 MHz	MO	9M58G1D	10 W (ERP)	

This authorization effective March 23, 2017 and
will expire 3:00 A.M. EST April 01, 2019

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Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2246 MHz	MO	9M58G1D	10 W (ERP)	
2283 MHz	MO	9M58G1D	10 W (ERP)	
2365-2375 MHz	MO	9M58G1D	10 W (ERP)	

Special Conditions:

- (1) Operation in the 1695-1780 MHz, 1915-1920 MHz, 1995-2020 MHz or 2110-2200 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (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) Operation on frequency assignments in one of the bands 1435-1535 or 2310-2390 MHz was coordinated prior to authorization with the Western Area Frequency Coordinator (WAFC), Point Mugu, CA, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the WAFC as necessary to ensure compatibility with existing uses.
- (4) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government; contract number USSOCOM-SORDAC-ST-14-01. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (6) Operation is subject to notification of the 1670-1675 MHz Band licensee (Crown Castle International) and the lessee (Ligado Networks) within 50 miles of the test area.