

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

EXPERIMENTAL
(Nature of Service)

WD2XIK
(Call Sign)

XC MO
(Class of Station)

0044-EX-RR-2012
(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(b) of the Commission's Rules

Station Locations

- (1) MOBILE: Mobile operations in a rectangular area of operations near China Lake 36°00' N 118°35' W, 36°00' N 116°20'W, 34°30'N 116°20'W, 34°30'N 118°35'W
- (2) MOBILE: TX, NM, OK, AR, LA, CA and within the two rectangles defined by 30 N, 98 W; 30 N, 94 W; 26, 30' N, 98 W; 26, 30' N, 94 W; and 30 N, 94 W; 30 N, 89 W; 28 N, 94 W; 28 N, 89 W.
- (3) MOBILE: Mobile operations in a rectangular area of operations near Tonopah 38°00'N 117°05'W, 38°00'N 114°50'W, 36°00'N 114°50'W, 36°00'N 117°05'W
- (4) MOBILE: Mobile operations in a rectangular area of operations near Pax River 39°20'N 077°00'W, 39°20'N 075°20'W, 37°40'N 077°00'W, 37°40'N 075°20'W
- (5) MOBILE: Mobile operations in a rectangular area of operations near Eglin AFB 32°00'N 088°00'W, 32°00'N 085°00'W, 28°00'N 085°00'W, 28°00'N 088°00'W

Frequency Information

MOBILE: Mobile operations in a rectangular area of operations near China Lake 36°00' N 118°35' W, 36°00' N 116°20'W, 34°30'N 116°20'W, 34°30'N 118°35'W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2206.5 MHz	MO	6M00F7D	10 W (ERP)	
2212.5 MHz	MO	6M00F7D	10 W (ERP)	

This authorization effective May 01, 2012 and
will expire 3:00 A.M. EST May 01, 2014

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Mobile operations in a rectangular area of operations near China Lake 36°00' N 118°35' W, 36°00' N 116°20'W, 34°30'N 116°20'W, 34°30'N 118°35'W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2234.5 MHz	MO	6M00F7D	10 W (ERP)	
2245.5 MHz	MO	6M00F7D	10 W (ERP)	
2249.5 MHz	MO	6M00F7D	10 W (ERP)	
2252.5 MHz	MO	6M00F7D	10 W (ERP)	
2262.5 MHz	MO	6M00F7D	10 W (ERP)	
2271.5 MHz	MO	6M00F7D	10 W (ERP)	

MOBILE: TX, NM, OK, AR, LA, CA and within the two rectangles defined by 30 N, 98 W; 30 N, 94 W; 26, 30' N, 98 W; 26, 30' N, 94 W; and 30 N, 94 W; 30 N, 89 W; 28 N, 94 W; 28 N, 89 W.

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2206.5 MHz	MO	6M00F7D	10 W (ERP)	
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2234.5 MHz	MO	6M00F7D	10 W (ERP)	

Frequency Information

MOBILE: TX, NM, OK, AR. LA, CA and within the two rectangles defined by 30 N, 98 W; 30 N, 94 W; 26, 30' N, 98 W; 26, 30' N, 94 W; and 30 N, 94 W; 30 N, 89 W; 28 N, 94 W; 28 N, 89 W.

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2245.5 MHz	MO	6M00F7D	10 W (ERP)	
2249.5 MHz	MO	6M00F7D	10 W (ERP)	
2252.5 MHz	MO	6M00F7D	10 W (ERP)	
2262.5 MHz	MO	6M00F7D	10 W (ERP)	
2271.5 MHz	MO	6M00F7D	10 W (ERP)	

MOBILE: Mobile operations in a rectangular area of operations near Tonopah 38°00'N 117°05'W, 38°00'N 114°50'W, 36°00'N 114°50'W, 36°00'N 117°05'W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2206.5 MHz	MO	6M00F7D	10 W (ERP)	
2212.5 MHz	MO	6M00F7D	10 W (ERP)	
2234.5 MHz	MO	6M00F7D	10 W (ERP)	
2245.5 MHz	MO	6M00F7D	10 W (ERP)	

Frequency Information

MOBILE: Mobile operations in a rectangular area of operations near Tonopah 38°00'N 117°05'W, 38°00'N 114°50'W, 36°00'N 114°50'W, 36°00'N 117°05'W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2249.5 MHz	MO	6M00F7D	10 W (ERP)	
2252.5 MHz	MO	6M00F7D	10 W (ERP)	
2262.5 MHz	MO	6M00F7D	10 W (ERP)	
2271.5 MHz	MO	6M00F7D	10 W (ERP)	

MOBILE: Mobile operations in a rectangular area of operations near Pax River 39°20'N 077°00'W, 39°20'N 075°20'W, 37°40'N 077°00'W, 37°40'N 075°20'W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2206.5 MHz	MO	6M00F7D	10 W (ERP)	
2212.5 MHz	MO	6M00F7D	10 W (ERP)	
2234.5 MHz	MO	6M00F7D	10 W (ERP)	
2245.5 MHz	MO	6M00F7D	10 W (ERP)	
2249.5 MHz	MO	6M00F7D	10 W (ERP)	

Frequency Information

MOBILE: Mobile operations in a rectangular area of operations near Pax River 39°20'N 077°00'W, 39°20'N 075°20'W, 37°40'N 077°00'W, 37°40'N 075°20'W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2252.5 MHz	MO	6M00F7D	10 W (ERP)	
2262.5 MHz	MO	6M00F7D	10 W (ERP)	
2271.5 MHz	MO	6M00F7D	10 W (ERP)	

MOBILE: Mobile operations in a rectangular area of operations near Eglin AFB 32°00'N 088°00'W, 32°00'N 085°00'W, 28°00'N 085°00'W, 28°00'N 088°00'W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2206.5 MHz	MO	6M00F7D	10 W (ERP)	
2212.5 MHz	MO	6M00F7D	10 W (ERP)	
2234.5 MHz	MO	6M00F7D	10 W (ERP)	
2245.5 MHz	MO	6M00F7D	10 W (ERP)	
2249.5 MHz	MO	6M00F7D	10 W (ERP)	
2252.5 MHz	MO	6M00F7D	10 W (ERP)	

Frequency Information

MOBILE: Mobile operations in a rectangular area of operations near Eglin AFB 32°00'N 088°00'W, 32°00'N 085°00'W, 28°00'N 085°00'W, 28°00'N 088°00'W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2262.5 MHz	MO	6M00F7D	10 W (ERP)	
2271.5 MHz	MO	6M00F7D	10 W (ERP)	

Special Conditions:

- (1) All operations subject to prior coordination with Area Frequency Coordinator Pacific Missile Range, Point Mugu, California: (805) 989-7983.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) 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.
- (5) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by Contract Numbers: DP-A3994P6631, FA8615-05-C-6002 , FA8615-10-C-6051 , and FA8615-07-C-6034. 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) All operations will be outside of the U.S./Canada Border Zone, or for assignments for frequencies below 1000 MHz the power used while operating in the Border Zone will not exceed 5 watts.
- (7) Subject to coordination prior to activation and, as appropriate, possible scheduling with the WSMR Area Frequency Coordinator located at (575) 678-1510 when operations are within 50 kilometers of White Sands Missile Range, New Mexico.
- (8) Licensee should be aware that US Air Force operations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (9) All operations subject to coordination with the Gulf Area Frequency Coordinator located at Eglin AFB, Florida, phone (850) 883-7535; AFC located at Nellis AFB, Nevada, phone (702) 652-3417; AFC located at Pax River, Maryland, phone (301) 342-1194; and AFC located at China Lake, California, phone (760) 939-6948.
- (10) Coordination with NASA White Sands Center (WSC) is required at least 7 days in advance with the NASA WSC POC as designated by the NASA/GSFC spectrum manager, Scott Galbraith at (301) 286-5089. For operations within 3 days, may coordinate with the NASA-WSC operations center at (575) 527-7157.

Special Conditions:

(11) Operations must be prior coordinated with WAFC at (760) 939-6948.