

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

EXPERIMENTAL

(Nature of Service)

XE MO

(Class of Station)

WD2XIC

(Call Sign)

0038-EX-ML-2007

(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: States of AR, LA, NM, OK, TX 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.
- (2) MOBILE: Operations within the rectangular area near Eglin AFB defined by 32°00'N 88°00'W, 32°00'N 85°00'W, 28°00'N 85°00'W, 28°00'N 88°00'W.
- (3) MOBILE: Operations within the rectangular area at Patuxent River defined by 39°20' N 077°00'W, 39°20' N 075°20'W, 37°40' N 077°00' W, 37°40'N 075°20' W.
- (4) MOBILE: Operations within the rectangular area near China Lake, CA defined by 36° 00' N 118° 35' W, 36° 00' N 116° 20' W, 34° 30' N 116° 20' W and 34° 30' N 118° 35' W.
- (5) MOBILE: Operations in the rectangular area near Tonopah, NV defined by 38° 00' N 117° 05' W, 38° 00' N 114° 50' W, 36° 00' N 114° 50' W and 36° 00' N 117° 05' W.

Frequency Information

MOBILE: States of AR, LA, NM, OK, TX 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 (+/-)
1030 MHz	MO	6M00M1D 7M50M1D	2500 W (ERP)	
1090 MHz	MO	6M90M1D	500 W (ERP)	

This authorization effective June 18, 2008 and
will expire 3:00 A.M. EST January 01, 2009

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: States of AR, LA, NM, OK, TX 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 (+/-)
1090 MHz	MO	7M00M1D	500 W (ERP)	

MOBILE: Operations within the rectangular area near Eglin AFB defined by 32°00'N 88°00'W, 32°00'N 85°00'W, 28°00'N 85°00'W. 28°00'N 88°00'W.

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	MO	6M00M1D 7M50M1D	2500 W (ERP)	
1090 MHz	MO	6M90M1D 7M00M1D	500 W (ERP)	

MOBILE: Operations within the rectangular area at Patuxent River defined by 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 (+/-)
1030 MHz	MO	6M00M1D 7M50M1D	2500 W (ERP)	
1090 MHz	MO	6M90M1D 7M00M1D	500 W (ERP)	

Frequency Information

MOBILE: Operations within the rectangular area near China Lake, CA defined by 36° 00' N 118° 35' W, 36° 00' N 116° 20' W, 34° 30' N 116° 20' W and 34° 30' N 118° 35' W.

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	MO	6M00M1D 7M50M1D	2500 W (ERP)	
1090 MHz	MO	6M90M1D 7M00M1D	500 W (ERP)	

MOBILE: Operations in the rectangular area near Tonopah, NV defined by 38° 00' N 117° 05' W, 38° 00' N 114° 50' W, 36° 00' N 114° 50' W and 36° 00' N 117° 05' W.

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	MO	6M00M1D 7M50M1D	2500 W (ERP)	
1090 MHz	MO	6M90M1D 7M00M1D	500 W (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by Contract No. DP-A3994P6631. 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.
- (4) Subject to coordination prior to each flight with the appropriate FAA Regional Offices.

Special Conditions:

- (5) Subject to coordination prior to operations with the following Area Frequency Coordinators:

Nellis AFB, Nevada, phone (702) 652-3417
Eglin AFB, Florida, phone (850) 883-7535
Pax River, Maryland, phone (301) 342-1194
China Lake, California, phone (760) 939-6948

- (6) This authorization is based on the condition that this equipment is confined for use overseas.
- (7) Interrogations are confined to only those interrogations manually initiated by the pilot.
- (8) Continuous airborne interrogations are NOT authorized.
- (9) Mode-4 and Mode-S transmissions are NOT authorized.