

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

EXPERIMENTAL
(Nature of Service)

XE MO
(Class of Station)

WD2XIL
(Call Sign)

0457-EX-RR-2014
(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: States of TX, NM, OK, AR, LA 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: Mobile area of operations in 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, 36°00'N 117°05'W.
- (3) MOBILE: Mobile area of operations in rectangular area near Pax River NAS, MD, 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: Mobile area of operations in rectangular area near Eglin AFB, FL, defined by 32°00'N 088°00'W, 32°00'N 085°00'W, 28°00'N 085°00'W, 28°00'N 088°00'W.
- (5) MOBILE: Mobile area of operations in 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, 34°30'N 118°35'W.

Frequency Information

MOBILE: States of TX, NM, OK, AR, LA 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 (+/-)
138.75 MHz	MO	12K5A3E	10 W (ERP)	

This authorization effective February 01, 2015 and
will expire 3:00 A.M. EST February 01, 2017

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Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
142.6 MHz	MO	12K5A3E	10 W (ERP)	
252.6 MHz	MO	12K5A3E	10 W (ERP)	

MOBILE: Mobile area of operations in 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, 36°00'N 117°05'W.

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
138.75 MHz	MO	12K5A3E	10 W (ERP)	
142.6 MHz	MO	12K5A3E	10 W (ERP)	
252.6 MHz	MO	12K5A3E	10 W (ERP)	

MOBILE: Mobile area of operations in rectangular area near Pax River NAS, MD, 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.

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138.75 MHz	MO	12K5A3E	10 W (ERP)	
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MOBILE: Mobile area of operations in rectangular area near Pax River NAS, MD, 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 (+/-)
252.6 MHz	MO	12K5A3E	10 W (ERP)	

MOBILE: Mobile area of operations in rectangular area near Eglin AFB, FL, defined by 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 (+/-)
138.75 MHz	MO	12K5A3E	10 W (ERP)	
142.6 MHz	MO	12K5A3E	10 W (ERP)	
252.6 MHz	MO	12K5A3E	10 W (ERP)	

MOBILE: Mobile area of operations in 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, 34°30'N 118°35'W.

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
138.75 MHz	MO	12K5A3E	10 W (ERP)	
142.6 MHz	MO	12K5A3E	10 W (ERP)	
252.6 MHz	MO	12K5A3E	10 W (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by State Department contract 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.
- (3) 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
- (4) This authorization is based on the condition that this equipment is confined for use overseas.
- (5) Lockheed Martin Point-of-Contact: Rick Coffey at (817) 312-9219 (Cell).
- (6) Stop Buzzers:

 Nellis Flight Testing, phone (702) 653-4537 (Desk)
 Pax River Flight Testing, phone (301) 342-1158 (Desk)
 Eglin Flight Testing, phone (850) 883-0629 (Desk)
 China Lake Flight Testing, phone (760) 939-6908 (Desk)
- (7) Testing operation shall be performed on a strict non-interference basis to stations in Mexico. Lockheed Martin must cease operations immediately upon notification from Area Frequency Coordinators, NTIA or the FCC. Continued future use of the frequencies 138.75 MHz and 142.6 MHz is not anticipated and future requests must comply with the 2007 Mexican Protocol.
- (8) Licensee should be aware that US Air Force and US Marine Corp stations are licensed on these frequencies, and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.