

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

EXPERIMENTAL

(Nature of Service)

WE2XMJ

(Call Sign)

XC FX MO

(Class of Station)

0012-EX-PL-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) Orlando (ORANGE), FL - NL 28-26-08; WL 81-27-07; MOBILE: Orlando (ORANGE), FL, within 50 km, centered around NL 28-26-08; WL 81-27-07
- (2) MOBILE: EOTS, Orlando, FL, within 50 km, centered around NL 28-22-39; WL 81-04-57
- (3) MOBILE: Fort Rucker Reservat, AL, within 50 km, centered around NL 31-20-47; WL 85-39-16
- (4) MOBILE: Redstone Arsenal, AL, within 50 km, centered around NL 34-40-27; WL 86-40-54
- (5) MOBILE: Mesa, AZ, within 50 km, centered around NL 33-28-07; WL 111-43-35
- (6) MOBILE: Yuma, AZ, within 50 km, centered around NL 32-51-38; WL 114-24-08
- (7) MOBILE: Salt Lake City, UT, within 50 km, centered around NL 40-46-46; WL 111-57-09
- (8) MOBILE: San Diego, CA, within 50 km, centered around NL 33-01-07; WL 117-05-45

Frequency Information

Orlando (ORANGE), FL - NL 28-26-08; WL 81-27-07; MOBILE: Orlando (ORANGE), FL, within 50 km, centered around NL 2

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.4-14.83 GHz	FX	8M60G1D 44M0G1D 64M0G1D 76M0G1D	12 kW (ERP)	

This authorization effective March 11, 2008 and
will expire 3:00 A.M. EST March 05, 2010

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Orlando (ORANGE), FL - NL 28-26-08; WL 81-27-07; MOBILE: Orlando (ORANGE), FL, within 50 km, centered around NL 2

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.4-14.83 GHz	FX	90M0G1D	12 kW (ERP)	
14.4-14.83 GHz	MO	8M60G1D 44M0G1D 64M0G1D 76M0G1D 90M0G1D	12 kW (ERP)	
15.35-15.5 GHz	FX	8M60G1D 44M0G1D 64M0G1D 76M0G1D 90M0G1D	12 kW (ERP)	
15.35-15.5 GHz	MO	8M60G1D 44M0G1D 64M0G1D 76M0G1D 90M0G1D	12 kW (ERP)	

MOBILE: EOTS, Orlando, FL, within 50 km, centered around NL 28-22-39; WL 81-04-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.4-14.83 GHz	MO	8M60G1D 44M0G1D 64M0G1D 76M0G1D	12 kW (ERP)	

Frequency Information

MOBILE: EOTS, Orlando, FL, within 50 km, centered around NL 28-22-39; WL 81-04-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.4-14.83 GHz	MO	90M0G1D	12 kW (ERP)	
15.35-15.5 GHz	MO	8M60G1D 44M0G1D 64M0G1D 76M0G1D 90M0G1D	12 kW (ERP)	

MOBILE: Fort Rucker Reservat, AL, within 50 km, centered around NL 31-20-47; WL 85-39-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.4-14.83 GHz	MO	8M60G1D 44M0G1D 64M0G1D 76M0G1D 90M0G1D	12 kW (ERP)	
15.35-15.5 GHz	MO	8M60G1D 44M0G1D 64M0G1D 76M0G1D 90M0G1D 8M60G1D	12 kW (ERP)	

Frequency Information

MOBILE: Redstone Arsenal, AL, within 50 km, centered around NL 34-40-27; WL 86-40-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.4-14.83 GHz	MO	8M60G1D	12 kW (ERP)	
		44M0G1D		
		64M0G1D		
		76M0G1D		
		90M0G1D		
15.35-15.5 GHz	MO	8M60G1D	12 kW (ERP)	
		44M0G1D		
		64M0G1D		
		76M0G1D		
		90M0G1D		

MOBILE: Mesa, AZ, within 50 km, centered around NL 33-28-07; WL 111-43-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.4-14.83 GHz	MO	8M60G1D	12 kW (ERP)	
		44M0G1D		
		64M0G1D		
		76M0G1D		
		90M0G1D		
15.35-15.5 GHz	MO	8M60G1D	12 kW (ERP)	
		44M0G1D		
		64M0G1D		
		76M0G1D		
		90M0G1D		

Frequency Information

MOBILE: Yuma, AZ, within 50 km, centered around NL 32-51-38; WL 114-24-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.4-14.83 GHz	MO	8M60G1D 44M0G1D 64M0G1D 76M0G1D 90M0G1D	12 kW (ERP)	
15.35-15.5 GHz	MO	8M60G1D 44M0G1D 64M0G1D 76M0G1D 90M0G1D	12 kW (ERP)	

MOBILE: Salt Lake City, UT, within 50 km, centered around NL 40-46-46; WL 111-57-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.4-14.83 GHz	MO	8M60G1D 44M0G1D 64M0G1D 76M0G1D 90M0G1D	12 kW (ERP)	
15.35-15.5 GHz	MO	8M60G1D 44M0G1D 64M0G1D 76M0G1D 90M0G1D	12 kW (ERP)	

Frequency Information

MOBILE: San Diego, CA, within 50 km, centered around NL 33-01-07; WL 117-05-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.4-14.83 GHz	MO	8M60G1D 44M0G1D 64M0G1D 76M0G1D 90M0G1D	12 kW (ERP)	
15.35-15.5 GHz	MO	8M60G1D 44M0G1D 64M0G1D 76M0G1D 90M0G1D	12 kW (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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) 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.
- (4) Subject to the understanding that the equipment will not be developed for operational use in the band 14.4-14.83 GHz.
- (5) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by US Army Aviation and Missile Command contract number WSBRGZ-05-C-0239. 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) This license SUPERSEDES the previously issued license with the same call sign and file number: amends conditions and sets expiration date to 3:00 A.M. EST March 05, 2010.