

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

EXPERIMENTAL

(Nature of Service)

WF2XRN

(Call Sign)

XD MO

(Class of Station)

0113-EX-ML-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(i) of the Commission's Rules

Station Locations

- (1) MOBILE: Grande Prairie [DALLAS], TX, within 18 km, centered around NL 32-35-01; WL 97-01-27
- (2) MOBILE: Alamosa [ALAMOSA], CO, within 18 km, centered around NL 37-26-06; WL 105-51-59
- (3) MOBILE: Columbus [LOWNDES], MS, within 18 km, centered around NL 33-26-54; WL 88-35-28

Frequency Information

MOBILE: Grande Prairie [DALLAS], TX, within 18 km, centered around NL 32-35-01; WL 97-01-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
76 MHz	MO	15K8F3E	5.3 W (ERP)	
78 MHz	MO	15K8F2E	5.3 W (ERP)	
4510 MHz	MO	17M0F9W 1M62F1D 2M40G1D	36.5 W (ERP)	

This authorization effective July 25, 2012 and
will expire 3:00 A.M. EST March 01, 2013

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Grande Prairie [DALLAS], TX, within 18 km, centered around NL 32-35-01; WL 97-01-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4510 MHz	MO	4M79G1D	36.5 W (ERP)	
4590 MHz	MO	17M0F9W 1M62F1D 2M40G1D 4M79G1D	36.5 W (ERP)	
14.4-14.83 GHz	MO	3M20G2D	40 W (ERP)	

MOBILE: Alamosa [ALAMOSAS], CO, within 18 km, centered around NL 37-26-06; WL 105-51-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
76 MHz	MO	15K8F3E	5.3 W (ERP)	
78 MHz	MO	15K8F3E	5.3 W (ERP)	
4510 MHz	MO	17M0F9W 1M62F1D 2M40G1D 4M79G1D	36.5 W (ERP)	
4590 MHz	MO	17M0F9W 1M62F1D 2M40G1D	36.5 W (ERP)	

Frequency Information

MOBILE: Alamosa [ALAMOSA], CO, within 18 km, centered around NL 37-26-06; WL 105-51-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4590 MHz	MO	4M79G1D	36.5 W (ERP)	
14.4-14.83 GHz	MO	3M20G2D	40 W (ERP)	

MOBILE: Columbus [LOWNDES], MS, within 18 km, centered around NL 33-26-54; WL 88-35-28

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
76 MHz	MO	15K8F3E	5.3 W (ERP)	
78 MHz	MO	15K8F3E	5.3 W (ERP)	
4510 MHz	MO	17M0F9W 1M62F1D 2M40G1D 4M79G1D	36.5 W (ERP)	
4590 MHz	MO	17M0F9W 1M62F1D 2M40G1D 4M79G1D	36.5 W (ERP)	
14.4-14.83 GHz	MO	3M20G2D	40 W (ERP)	

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir@sbe.org; information, www.sbe.org.
- (5) Operations limited to antenna Above Ground Level (AGL) of 2000 FT.