

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

EXPERIMENTAL

(Nature of Service)

WF2XWL

(Call Sign)

XC MO

(Class of Station)

0073-EX-CM-2018

(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: Grand Prairie (DALLAS), TX, within 1 km, centered around NL 32-42-59; WL 97-02-02
- (2) MOBILE: Ft Worth (TARRANT), TX, within 1 km, centered around NL 32-45-55; WL 97-26-44
- (3) MOBILE: Bithlo, FL, within 1 km, centered around NL 28-22-38; WL 81-04-56

Frequency Information

MOBILE: Grand Prairie (DALLAS), TX, within 1 km, centered around NL 32-42-59; WL 97-02-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2250.5 MHz	MO	14M3F1D	0.25 W (ERP)	
2259.5 MHz	MO	14M3F1D	0.25 W (ERP)	
2270.5 MHz	MO	14M3F1D	0.25 W (ERP)	

This authorization effective May 03, 2018 and
will expire 3:00 A.M. EST April 01, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Grand Prairie (DALLAS), TX, within 1 km, centered around NL 32-42-59; WL 97-02-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2275.5 MHz	MO	14M3F1D	0.25 W (ERP)	
2280.5 MHz	MO	14M3F1D	0.25 W (ERP)	
2281.5 MHz	MO	14M3F1D	0.25 W (ERP)	
4401.5 MHz	MO	208KF1D	10 W (ERP)	
4410.5 MHz	MO	208KF1D	10 W (ERP)	
4411.5 MHz	MO	208KF1D	10 W (ERP)	
4458.5 MHz	MO	208KF1D	10 W (ERP)	
4460.5 MHz	MO	208KF1D	10 W (ERP)	
4462.5 MHz	MO	208KF1D	10 W (ERP)	

Frequency Information

MOBILE: Ft Worth (TARRANT), TX, within 1 km, centered around NL 32-45-55; WL 97-26-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2250.5 MHz	MO	14M3F1D	0.25 W (ERP)	
2259.5 MHz	MO	14M3F1D	0.25 W (ERP)	
2270.5 MHz	MO	14M3F1D	0.25 W (ERP)	
2275.5 MHz	MO	14M3F1D	0.25 W (ERP)	
2280.5 MHz	MO	14M3F1D	0.25 W (ERP)	
2281.5 MHz	MO	14M3F1D	0.25 W (ERP)	
4401.5 MHz	MO	208KF1D	10 W (ERP)	
4410.5 MHz	MO	208KF1D	10 W (ERP)	
4411.5 MHz	MO	208KF1D	10 W (ERP)	
4458.5 MHz	MO	208KF1D	10 W (ERP)	

Frequency Information

MOBILE: Ft Worth (TARRANT), TX, within 1 km, centered around NL 32-45-55; WL 97-26-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4460.5 MHz	MO	208KF1D	10 W (ERP)	
4462.5 MHz	MO	208KF1D	10 W (ERP)	

MOBILE: Bithlo, FL, within 1 km, centered around NL 28-22-38; WL 81-04-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2250.5 MHz	MO	14M3F1D	0.25 W (ERP)	
2259.5 MHz	MO	14M3F1D	0.25 W (ERP)	
2270.5 MHz	MO	14M3F1D	0.25 W (ERP)	
2275.5 MHz	MO	14M3F1D	0.25 W (ERP)	
2280.5 MHz	MO	14M3F1D	0.25 W (ERP)	
2281.5 MHz	MO	14M3F1D	0.25 W (ERP)	
4401.5 MHz	MO	208KF1D	10 W (ERP)	

Frequency Information

MOBILE: Bithlo, FL, within 1 km, centered around NL 28-22-38; WL 81-04-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4410.5 MHz	MO	208KF1D	10 W (ERP)	
4411.5 MHz	MO	208KF1D	10 W (ERP)	
4458.5 MHz	MO	208KF1D	10 W (ERP)	
4460.5 MHz	MO	208KF1D	10 W (ERP)	
4462.5 MHz	MO	208KF1D	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) 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.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Army; contract number W31P4Q-15-D-0040. 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.
- (5) The army and applicant are aware that if this system becomes operational, the assignment in 4400 MHz band must comply with 4.3.18 of the NTIA manual.