

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

EXPERIMENTAL

(Nature of Service)

XC FX MO

(Class of Station)

WL2XFD

(Call Sign)

0687-EX-CN-2020

(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) Ft Worth (TARRANT), TX - NL 32-46-47; WL 97-26-52
- (2) Eglin AFB (OKALOOSA), FL - NL 30-29-22; WL 86-32-32; MOBILE: Within 200 miles of coordinates, within 322 km, centered around NL 30-29-22; WL 86-32-32

Frequency Information

Ft Worth (TARRANT), TX - NL 32-46-47; WL 97-26-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
407-414.9875 MHz	FX	12K5G1D 12K5D1D	20 W (ERP)	
1435-1525 MHz	FX	1M20G1D 5M00G1D 1M20D1D 5M00D1D	20 W (ERP)	

This authorization effective October 21, 2020 and
will expire 3:00 A.M. EST November 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Ft Worth (TARRANT), TX - NL 32-46-47; WL 97-26-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4940 MHz	FX	4M55G1D	20 W (ERP)	
5500-5700 MHz	FX	4M55G1D	20 W (ERP)	

Eglin AFB (OKALOOSA), FL - NL 30-29-22; WL 86-32-32; MOBILE: Within 200 miles of coordinates, within 322 km, centered

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
407-414.9875 MHz	FX	12K5G1D 12K5D1D	20 W (ERP)	
407-414.9875 MHz	MO	12K5D1D 12K5G1D	20 W (ERP)	
1435-1525 MHz	FX	1M20G1D 5M00G1D 1M20D1D 5M00D1D	20 W (ERP)	
1435-1525 MHz	MO	1M20G1D 5M00G1D 1M20D1D 5M00D1D	20 W (ERP)	

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4400-4940 MHz	MO	4M55G1D	20 W (ERP)	
5500-5700 MHz	FX	4M55G1D	20 W (ERP)	
5500-5700 MHz	MO	4M55G1D	20 W (ERP)	

Special Conditions:

- (1) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to authorization with the Gulf Area Frequency Coordinator, Eglin AFB, FL, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the Gulf AFC, Eglin AFB, FL, as necessary to ensure compatibility with existing uses.
- (2) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to its authorization with AFMO CONUS, Ft. Sam Houston, TX, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with AFMO CONUS, Ft. Sam Houston, TX, as necessary to ensure compatibility with existing uses.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) 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.

Special Conditions:

- (6) The following frequency bands must be notched out:
- 407.8625-407.8875 MHz
 - 409.7875-409.8125 MHz
 - 410.2375-410.2625 MHz
 - 410.2875-410.3125 MHz
 - 412.9250-412.9500 MHz
 - 412.9750-413.0000 MHz
 - 413.0500-413.0750 MHz
 - 413.1000-413.1250 MHz
 - 413.5750-413.6000 MHz
- (7) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government; contract number FA8611-20-C-9708. 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.