

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

EXPERIMENTAL

(Nature of Service)

WL2XQM

(Call Sign)

XE FX MO

(Class of Station)

0218-EX-CN-2021

(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 32-46-09; WL 97-26-30
- (2) MOBILE: Ft Worth, TX. VR-118 airspace defined in Exhibit

Frequency Information

Ft Worth (TARRANT), TX - NL 32-46-09; WL 97-26-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1090 MHz	FX	18M0V1D 8M47M1D 6M67M1D	500 W (ERP)	

MOBILE: Ft Worth, TX. VR-118 airspace defined in Exhibit

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1090 MHz	MO	8M47V1D	108.4 W (ERP)	

This authorization effective June 11, 2021 and
will expire 3:00 A.M. EST December 31, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Ft Worth, TX. VR-118 airspace defined in Exhibit

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1090 MHz	MO	8M47M1D	108.4 W (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) One or more frequency assignments were coordinated prior to authorization with FAA Headquarters, 800 Independence Avenue, S.W., Washington, DC 20591; Telephone: 202-267-8699.
- (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) Ground Testing:
 - 1) ONLY MODES 1, 2, AND 5 ARE AUTHORIZED TO BE USED OVER THE AIR (OTA).
 - 2) OTA TESTING SHOULD BE LIMITED TO ONLY THAT WHICH IS NECESSARY.
 - 3) THE OPERATOR MUST PAUSE 3 SECONDS BETWEEN TRIGGERING SUBSEQUENT SINGLE TRIGGERED TESTS AND WILL CEASE UPON SUCCESSFUL COMPLETION OF THE TEST.
 - 4) NO MORE THAN 35 TEST SETS WITHIN 10 NM INTERROGATING SIMULTANEOUSLY AND NO MORE THAN TWO IFF TEST SETS SIMULTANEOUSLY INTERROGATING WITHIN 100 FEET OF EACH OTHER.
- (5) Flight Testing:
 - 1) SUPPORTS MODES 3/A, C, AND S (ELS).
 - 2) FLIGHT TESTING WILL BE CONDUCTED IN AIRSPACE DESIGNATED VR-118 AND COORDINATED WITH FAA ATC.
 - 3) FLIGHT OPS MUST FILE THE FLIGHT PLAN WITH THE LOCAL FAA ATC AGENCIES DAY-OF, PRIOR TO FLIGHT AND ACCEPT ANY RESTRICTIONS.
 - 4) IFF MODE/SQUAWK WILL BE ASSIGNED DURING TAXI TO THE RUNWAY.
- (6) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required under contract number ALC/17/478. 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.