

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

EXPERIMENTAL

(Nature of Service)

WM2XCQ

(Call Sign)

XT MO

(Class of Station)

0761-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(j) of the Commission's Rules

Station Locations

(1) MOBILE: Gulf of Mexico, Aircraft, within 350 km

Frequency Information

MOBILE: Gulf of Mexico, Aircraft, within 350 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	MO	18M1V1D 5M36V1D	14.3 kW (ERP)	
1090 MHz	MO	18M0V1D 8M47M1D 6M67M1D	500 W (ERP)	

Special Conditions:

- (1) 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.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

This authorization effective December 03, 2021 and
will expire 3:00 A.M. EST December 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (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) Operations on 1090 MHz will be in accordance with the following restrictions:
- PRR = 18k
 - Pulse Duration = 0.45/1.06 usec
 - SUPPORTS MODES 1, 2, 3/A, C, 5, AND S.
 - TESTING IS LIMITED TO WARNING AREAS W-147A/B/C/D/E, W-602, W-228A/B/C/D.
 - FLIGHT OPS MUST FILE THE FLIGHTPLAN WITH THE LOCAL FAA ATC AGENCIES DAY-OF, PRIOR TO FLIGHT AND ACCEPT ANY RESTRICTION
 - IFF MODE/SQUAWK WILL BE ASSIGNED DURING TAXI TO THE RUNWAY.
 - AIRCRAFT WILL TRANSIT FROM FT WORTH TO GULF OF MEXICO WARNING AREAS WITH STOPS AT ELLINGTON AFB AND EGLIN AFB. UPON COMPLETION OF TESTING, AIRCRAFT WILL RETURN TO FT WORTH.
 - WHILE TRANSITING THE NAS, ONLY MODES 3/A, C, AND S ARE AUTHORIZED AND COORINATION WITH LOCAL ATC IS REQUIRED
- (5) Stop Buzzer POCs are Kurt Moriak at 817-676-5880 and John Buswell at 817-889-1647.
- (6) Operations on 1030 MHz will be in accordance with the following restrictions:
- PRR = 400/200 pps
 - Pulse Duration = 0.8/1.06 usec
 - SUPPORTS MODES 1, 2, 3/A, C, AND 5.
 - TESTING IS LIMITED TO WARNING AREAS W- 147A/B/C/D/E, W-602, W-228A/B/C/D.
 - FLIGHT OPS MUST FILE THE FLIGHT PLAN WITH THE LOCAL FAA ATC AGENCIES DAY-OF, PRIOR TO FLIGHT AND ACCEPT ANY RESTRICTIONS.
 - AIRCRAFT WILL TRANSIT FROM FT WORTH TO GULF OF MEXICO WARNING AREAS WITH STOPS AT ELLINGTON AFB AND EGLIN AFB. UPON COMPLETION OF TESTING, AIRCRAFT WILL RETURN TO FT WORTH.