

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

EXPERIMENTAL

(Nature of Service)

WM2XEA

(Call Sign)

XD MO

(Class of Station)

0824-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: Edwards AFB, CA, within 350 km, centered around NL 34-54-52; WL 117-54-46

Frequency Information

MOBILE: Edwards AFB, CA, within 350 km, centered around NL 34-54-52; WL 117-54-46

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

This authorization effective December 09, 2021 and
will expire 3:00 A.M. EST December 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) Stop Buzzer POC is 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.
 - Ensure no more than 2 scans per minute. Operations shall be confined to R-2508 SUA only.
 - Testing is limited to EDWARDS AFB and CHINA LAKE AIRSPACE.
 - Azimuth for ops restricted to 0-40 deg reference true north. the civ-mil switch shall only be placed in the civil pos. every effort to minimize the impact of interrogations will be made. scheduling, deconfliction, and coordination is required for all ops prior to operation.
 - Aircraft will transit from FT WORTH to EDWARDS AFB with stops at KIRTLAND AFB and HOLLOMAN AFB. Upon completion of testing, aircraft will return to ft worth.
 - While transiting the NAS, coordination with local ATC is required.
- (7) Operations on 1090 MHz will be in accordance with the following restrictions:
 - PRR = 18K/20K pps
 - Pulse Duration = 0.45/1.06 usec
 - Supports modes 1, 2,3/A, C, 5, AND S.
 - Flight testing limited to the special use airspace at EDWARDS AFB and CHINA LAKE.
 - Flight ops must file the flight plan with the local FAA ATC agencies day-of, prior to flight and accept any restrictions.
 - IFF MODE/ SQUAWK will be assigned during taxi to the runway.
 - Aircraft will transit from ft worth to Edwards AFB with stops AT KIRTLAND AFB AND HOLLOMAN 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 coordination with local ATC is required.