

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

EXPERIMENTAL

(Nature of Service)

WG2XTH

(Call Sign)

XE MO

(Class of Station)

0450-EX-PL-2013

(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: Test Range, within 1 km, centered around NL 43-06-43; WL 76-11-18
- (2) MOBILE: on site Test Facilities, within 1 km, centered around NL 43-05-20; WL 76-05-53
- (3) MOBILE: 1 KMRA of test range at Windy Hill Road, within 1 km, centered around NL 42-55-37; WL 75-55-27

Frequency Information

MOBILE: Test Range, within 1 km, centered around NL 43-06-43; WL 76-11-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	MO	6M33M1D	131 kW (ERP)	

MOBILE: on site Test Facilities, within 1 km, centered around NL 43-05-20; WL 76-05-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	MO	6M33M1D	131 kW (ERP)	

This authorization effective October 31, 2013 and
will expire 3:00 A.M. EST August 01, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: 1 KMRA of test range at Windy Hill Road, within 1 km, centered around NL 42-55-37; WL 75-55-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	MO	6M33M1D	131 kW (ERP)	

Special Conditions:

- (1) Assignment on 1030 MHz or in one of the bands 1215-1400, 2700-2900, or 9000-9200 MHz was coordinated prior to authorization with the FAA Eastern Coordinator, New York, NY. Use of frequencies under the authority of this assignment is subject to such further coordination with the FAA Eastern Coordinator, New York, NY, as necessary to ensure compatibility with existing uses.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Operations on 1030 MHz for the coordinates NL 43-06-43, WL 076-11-18 will be in accordance with the following restrictions:
 - a) PRR = 175 pps
 - b) Pulse Duration = FX 0.8 usec
 - c) Radius of operation = 1 kilometer
 - d) Only modes 3A and C are allowed to transmit
 - e) Interrogation must be between 225 and 316 degrees referenced to True North. All other angles must be blanked.
- (5) Operations on 1030 MHz for the coordinates NL 43-05-20, WL 076-05-53 will be in accordance with the following restrictions:
 - a) PRR = 175 pps
 - b) Pulse Duration = FX 0.8 usec
 - c) Radius of operation = 1 kilometer
 - d) Only modes 3A and C are allowed to transmit
 - e) Interrogation must be between 225 and 316 degrees referenced to True North. All other angles must be blanked.

Special Conditions:

- (6) Operations on 1030 MHz for coordinates NL 42-55-37, WL 075-55-27 will be in accordance with the following restrictions:
 - a) PRR = 140 pps
 - b) Pulse Duration = FX 0.8 usec
 - c) Radius of operation = 1 kilometer
 - d) Only modes 1/2/3A/C are allowed.
 - e) Interrogation must be between 230 and 316 degrees referenced to True North. All other angles must be blanked.

- (7) This license SUPERSEDES the previously issued license with the same call sign and file number: correction Special Condition 6.