

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WK2XMN

(Call Sign)

0690-EX-CN-2019

(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: Grand Prairie, TX, within 1 km, centered around NL 32-43-03; WL 97-01-42
- (2) MOBILE: Orlando, FL, within 15 km, centered around NL 28-26-45; WL 81-27-07
- (3) MOBILE: Orlando, FL, within 5 km, centered around NL 28-32-50; WL 81-20-19
- (4) MOBILE: Redstone Arsenal, AL, within 5 km, centered around NL 34-40-12; WL 86-41-03
- (5) MOBILE: Goodyear, AZ, within 300 km, centered around NL 33-25-48; WL 112-21-54

Frequency Information

MOBILE: Grand Prairie, TX, within 1 km, centered around NL 32-43-03; WL 97-01-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200.5-2299.5 MHz	MO	12M0G1D	6 W (ERP)	
2200.5-2299.5 MHz	MO	23M2F1D 15M6G1D	28 W (ERP)	
5400-5900 MHz	MO	20M0P0N	47.5 W (ERP)	

This authorization effective January 06, 2020 and
will expire 3:00 A.M. EST January 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Grand Prairie, TX, within 1 km, centered around NL 32-43-03; WL 97-01-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
33-36 GHz	MO	30M0Q1N	10 MW (ERP)	

MOBILE: Orlando, FL, within 15 km, centered around NL 28-26-45; WL 81-27-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200.5-2299.5 MHz	MO	12M0G1D	6 W (ERP)	
2200.5-2299.5 MHz	MO	23M2F1D 15M6G1D	28 W (ERP)	
5400-5900 MHz	MO	20M0P0N	47.5 W (ERP)	
33-36 GHz	FX	30M0Q1N	10 MW (ERP)	

MOBILE: Orlando, FL, within 5 km, centered around NL 28-32-50; WL 81-20-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200.5-2299.5 MHz	MO	12M0G1D	6 W (ERP)	
2200.5-2299.5 MHz	MO	23M2F1D 15M6G1D	28 W (ERP)	

Frequency Information

MOBILE: Orlando, FL, within 5 km, centered around NL 28-32-50; WL 81-20-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5400-5900 MHz	MO	20M0P0N	47.5 W (ERP)	
33-36 GHz	FX	30M0Q1N	10 MW (ERP)	

MOBILE: Redstone Arsenal, AL, within 5 km, centered around NL 34-40-12; WL 86-41-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200.5-2299.5 MHz	MO	12M0G1D	6 W (ERP)	
2200.5-2299.5 MHz	MO	23M2F1D 15M6G1D	28 W (ERP)	
5400-5900 MHz	MO	20M0P0N	47.5 W (ERP)	
33-36 GHz	FX	30M0Q1N	10 MW (ERP)	

MOBILE: Goodyear, AZ, within 300 km, centered around NL 33-25-48; WL 112-21-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
33-36 GHz	MO	30M0Q1N	10 MW (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) 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 W15QKN-14-9-1001. 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.