

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

EXPERIMENTAL

(Nature of Service)

WG2XJV

(Call Sign)

XC MO

(Class of Station)

0391-EX-CR-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: Courtland, AL, within 0.5 km, centered around NL 34-39-25; WL 87-19-51
- (2) MOBILE: Courtland, AL, within 0.5 km, centered around NL 34-39-25; WL 87-19-51

Frequency Information

MOBILE: Courtland, AL, within 0.5 km, centered around NL 34-39-25; WL 87-19-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
421 MHz	MO	180KF1D	0.02 W (ERP)	
421 MHz	MO	180KF1D	0.001 W (ERP)	
428 MHz	MO	180KF1D	0.02 W (ERP)	
1435-1525 MHz	MO	1M50F1D 12M0F1D	10 W (ERP)	

This authorization effective July 31, 2019 and
will expire 3:00 A.M. EST August 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Courtland, AL, within 0.5 km, centered around NL 34-39-25; WL 87-19-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1438.5 MHz	MO	1M90F1D 4M00F1D 4M60F1D 11M6F1D	0.631 W (ERP)	
1445.5 MHz	MO	1M90F1D 4M00F1D 4M60F1D 11M6F1D	0.631 W (ERP)	
1454.5 MHz	MO	1M90F1D 4M00F1D 4M60F1D 11M6F1D	0.631 W (ERP)	
1460.5 MHz	MO	1M50F1D	10 W (ERP)	
1470.5 MHz	MO	1M90F1D 4M00F1D 4M60F1D 11M6F1D	0.631 W (ERP)	
1476.5 MHz	MO	12M0F1D	10 W (ERP)	
1492.5 MHz	MO	1M90F1D 4M00F1D 4M60F1D	0.631 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1492.5 MHz	MO	11M6F1D	0.631 W (ERP)	
1507.5 MHz	MO	1M90F1D 4M00F1D 4M60F1D 11M6F1D	0.631 W (ERP)	
1514.5 MHz	MO	1M90F1D 4M00F1D 4M60F1D 11M6F1D	0.631 W (ERP)	
1523.5 MHz	MO	1M90F1D 4M00F1D 4M60F1D 11M6F1D	0.631 W (ERP)	
2200-2290 MHz	MO	1M50F1D 12M0F1D	10 W (ERP)	
2203.5 MHz	MO	2M32F1D	5 W (ERP)	
2209.5 MHz	MO	1M40F1D	10 W (ERP)	
2221.5 MHz	MO	11M6F1D	5 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2221.5 MHz	MO	14M4F1D	5 W (ERP)	
2230.5 MHz	MO	11M6F1D	10 W (ERP)	
2242.5 MHz	MO	11M6F1D	10 W (ERP)	
2273.5 MHz	MO	4M60F1D	10 W (ERP)	
2277.5 MHz	MO	19M7F3F	5 W (ERP)	
2360-2394 MHz	MO	2M00F1D 12M0F1D	10 W (ERP)	
2366.5 MHz	MO	4M60F1D	10 W (ERP)	
2380.5 MHz	MO	11M6F1D 14M4F1D	5 W (ERP)	
2383.5 MHz	MO	11M6F1D	400 W (ERP)	
5620 MHz	MO	6M00P0N	400 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5690 MHz	MO	6M00P0N	400 W (ERP)	
5765 MHz	MO	6M00P0N	400 W (ERP)	

MOBILE: Courtland, AL, within 0.5 km, centered around NL 34-39-25; WL 87-19-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2378.5 MHz	MO	1M86F1D	10 W (ERP)	

Special Conditions:

- (1) 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.
- (2) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to authorization with the HQ USAF Frequency Coordinator, Alexandria, VA., who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the HQ USAF Frequency Coordinator, Alexandria, VA., as necessary to ensure compatibility with existing uses.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) This frequency assignment in one of the bands 1435-1535 or 2310-2390 MHz was coordinated prior to authorization with the Mid-Atlantic Area Frequency Coordinator (AFC), Patuxent River, MD, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the AFC as necessary to ensure compatibility with existing uses.

Special Conditions:

- (6) 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 HQ0006-04-D-0006. 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.