

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

EXPERIMENTAL

(Nature of Service)

WH2XMX

(Call Sign)

XD FX MO

(Class of Station)

0076-EX-CR-2016

(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) Cherry Hill (CAMDEN), NJ - NL 39-55-52; WL 75-03-03; MOBILE: Cherry Hill, NJ, within 1 km, centered around NL 39-55-52; WL 75-03-03

Frequency Information

Cherry Hill (CAMDEN), NJ - NL 39-55-52; WL 75-03-03; MOBILE: Cherry Hill, NJ, within 1 km, centered around NL 39-55-52;

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4-4.1 MHz	MO	5K00F3E 5K00M2N	30 W (ERP)	
5.2-5.6 MHz	MO	5K00F3E 5K00M2N	30 W (ERP)	
6-6.8 MHz	MO	5K00F3E 5K00M2N	30 W (ERP)	

This authorization effective December 01, 2016 and
will expire 3:00 A.M. EST December 01, 2018

**FEDERAL
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Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7.3-7.8 MHz	MO	5K00F3E 5K00M2N	30 W (ERP)	
8-8.8 MHz	MO	5K00F3E 5K00M2N	30 W (ERP)	
31-31.5 MHz	MO	25K0F3E 25K0M2N	30 W (ERP)	
44-44.7 MHz	MO	25K0F3E 25K0M2N	30 W (ERP)	
57-57.5 MHz	MO	25K0F3E 25K0M2N	30 W (ERP)	
69-69.5 MHz	MO	25K0F3E 25K0M2N	30 W (ERP)	
138-139.5 MHz	MO	12K5F3E 12K5M2N	30 W (ERP)	
145-146.5 MHz	MO	12K5F3E 12K5M2N	30 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
152-153.5 MHz	MO	25K0F3E 25K0M2N	30 W (ERP)	
159-160.5 MHz	MO	25K0F3E 25K0M2N	30 W (ERP)	
166-167.5 MHz	MO	12K5F3E 12K5M2N	30 W (ERP)	
420-450 MHz	MO	6M00W9W	30 W (ERP)	
791-798.9 MHz	MO	5M00W9W	30 W (ERP)	
835.5-845 MHz	MO	5M00W9W	30 W (ERP)	
900-932 MHz	MO	20M0M7D 20M0M7N	30 W (ERP)	
2120-2200 MHz	MO	40M0M7D 40M0M7N	30 W (ERP)	
2200-2300 MHz	MO	40M0W9W	30 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2410-2500 MHz	MO	40M0M7D 40M0M7N	30 W (ERP)	
3280-3400 MHz	MO	40M0M7D 40M0M7N	30 W (ERP)	
3675 MHz	MO	50M0M7D 50M0M7N	30 W (ERP)	
5650-7000 MHz	MO	200MM7D 200MM7N	30 W (ERP)	
8000-8600 MHz	MO	400MM7D 400MM7N	30 W (ERP)	
9600-10000 MHz	MO	400MM7D 400MM7N	30 W (ERP)	
10025-12000 MHz	MO	400MM7N 400MM7D	30 W (ERP)	

Special Conditions:

- (1) FirstNet can request the FCC to order the licensee to cease operations within 24 hours.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

Special Conditions:

- (3) Operation in the 824-849 or 869-894 MHz band requires consent of local cellular licensee(s) to avoid interference.
- (4) 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.
- (5) Operation is subject to the following conditions:
 - 1. Secure consents from the AWS licensees prior to accessing to 2120-2200 MHz.
 - 2. Coordinate with the local SBE frequency coordinator prior to operation in 57-57.5 MHz, 69-69.5 MHz, 152-153.5 MHz, 159-160.5 MHz, 166-167.5 MHz, 2410-2500 MHz and 5450-7000 MHz
 - 3. Coordinate with the Fixed Microwave Service licensees prior to operation in 900-940 MHz, 2410-2500 MHz, 5450-7000 MHz and 9600-12000 MHz.
- (6) Operation is subject to notification of 152 MHz Paging licensees within 25 miles of the locations of the test.