

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WH2XFM

(Call Sign)

0121-EX-RR-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(c) of the Commission's Rules

Station Locations

- (1) MOBILE: Moorestown, NJ, within 1 km, centered around NL 39-58-55; WL 74-54-45
- (2) MOBILE: Cape May State Park, NJ, within 5 km, centered around NL 38-56-02; WL 74-57-20

Frequency Information

MOBILE: Moorestown, NJ, within 1 km, centered around NL 39-58-55; WL 74-54-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3-30 MHz	MO	100KF3N	50.3 W (ERP)	

MOBILE: Cape May State Park, NJ, within 5 km, centered around NL 38-56-02; WL 74-57-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3-4.995 MHz	MO	100KF3N	50.3 W (ERP)	

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Cape May State Park, NJ, within 5 km, centered around NL 38-56-02; WL 74-57-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.005-9.995 MHz	MO	100KF3N	50.3 W (ERP)	
10.005-14.99 MHz	MO	100KF3N	50.3 W (ERP)	
15.01-19.99 MHz	MO	100KF3N	50.3 W (ERP)	
20.01-24.99 MHz	MO	100KF3N	50.3 W (ERP)	
25.01-30 MHz	MO	100KF3N	50.3 W (ERP)	

Special Conditions:

- (1) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9102 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir @ sbe.org; information, www.sbe.org.
- (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.

Special Conditions:

- (4) For Moorestown, NJ location Lockheed Martin must notch out the following frequencies in kHz:

a) Distress Frequencies

3024.4,
4126.4, 4177.5, 4207.5, 4427.4,
5681.4,
6216.4, 6268.0, 6312.0 6502.4, 6517.4
8292.4, 8414.5, 8765.4,
12520.0, 12291.4, 12577.0,
13114.4,
16421.4, 16695.0, 16804.5,
17315.4

b) Air/Ground/Air Communications

3054.4, 3057.4, 3123.4,
4572.5, 4731.4, 4734.4, 4821, 4902, 4965
5108, 5694.4, 5697.4, 5885, 5943.5,
6710.4, 6743.4,
7630.5, 7669.5, 7736, 7743, 7747, 7775, 7793, 7821
8984.4,
9035.4, 9038.4,
10540, 10810, 10891, 10918,
11197.4, 11200.4, 11203.4,
12081.5
13219.4, 13222.4, 13434, 13496,
14428.5, 14461, 14953,
15083.4, 15086.4, 15089.4,
16027.5
17989.4, 17992.4,
20247.5, 20330, 20843, 20882.5, 20985,
23074, 23077, 23091, 23094, 23840.5
24228.5, 24793.5,
26582.5, 26640.5,
27590.5, 27920.5

c) Meteorological Air/Ground/Air Communications

10015, 10093,
13267,
17901,
21937

d) HF AM(R)S sub bands:

2850 – 3025
3400 – 3500
4650 – 4700
5450 – 5680
6525 – 6685
8815 – 8965
10005 – 10100
11275 – 11400
13260 – 13360

Speci: 17900 – 17970
21924 – 22000

- (5) 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 HR0011-13-C-0038. 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.