

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WG2XMH

(Call Sign)

0453-EX-RR-2014

(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) Owego (TIOGA), NY - NL 42-07-25; WL 76-11-35

Frequency Information

Owego (TIOGA), NY - NL 42-07-25; WL 76-11-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1.641 MHz	FX	N0N	100 W (ERP)	
1.776 MHz	FX	N0N	100 W (ERP)	
2.165 MHz	FX	N0N	100 W (ERP)	
2.489 MHz	FX	N0N	100 W (ERP)	

This authorization effective February 01, 2015 and
will expire 3:00 A.M. EST February 01, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Owego (TIOGA), NY - NL 42-07-25; WL 76-11-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.801 MHz	FX	N0N	100 W (ERP)	
3.248 MHz	FX	N0N	100 W (ERP)	
3.395 MHz	FX	N0N	100 W (ERP)	
4.736 MHz	FX	N0N	100 W (ERP)	
5.44 MHz	FX	N0N	100 W (ERP)	
6.183 MHz	FX	N0N	100 W (ERP)	
7.049 MHz	FX	N0N	100 W (ERP)	
8.069 MHz	FX	N0N	100 W (ERP)	
9.288 MHz	FX	N0N	100 W (ERP)	
10.552 MHz	FX	N0N	100 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
11.9 MHz	FX	N0N	100 W (ERP)	
13.5 MHz	FX	N0N	100 W (ERP)	
15.536 MHz	FX	N0N	100 W (ERP)	
17.84 MHz	FX	N0N	100 W (ERP)	
20.3 MHz	FX	N0N	100 W (ERP)	
20.95 MHz	FX	N0N	100 W (ERP)	
23.204 MHz	FX	N0N	100 W (ERP)	
24.624 MHz	FX	N0N	100 W (ERP)	
26 MHz	FX	N0N N0N	100 W (ERP)	
27.912 MHz	FX	N0N	100 W (ERP)	

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30 MHz	FX	N0N	100 W (ERP)	
30.628 MHz	FX	N0N	100 W (ERP)	
33.206 MHz	FX	N0N	100 W (ERP)	
36.231 MHz	FX	N0N	100 W (ERP)	
39 MHz	FX	N0N	100 W (ERP)	
42 MHz	FX	N0N	100 W (ERP)	
46 MHz	FX	N0N	100 W (ERP)	
47.5 MHz	FX	N0N	100 W (ERP)	
53.9 MHz	FX	N0N	100 W (ERP)	
56 MHz	FX	N0N	100 W (ERP)	

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61.464 MHz	FX	N0N	100 W (ERP)	
66 MHz	FX	N0N	100 W (ERP)	
70.6 MHz	FX	N0N	100 W (ERP)	
79 MHz	FX	N0N	100 W (ERP)	
82.808 MHz	FX	N0N	100 W (ERP)	
88 MHz	FX	N0N	100 W (ERP)	
93.05 MHz	FX	N0N	100 W (ERP)	
101.235 MHz	FX	N0N	100 W (ERP)	
105.155 MHz	FX	N0N	100 W (ERP)	
139 MHz	FX	N0N	100 W (ERP)	

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142 MHz	FX	N0N	100 W (ERP)	
148 MHz	FX	N0N	100 W (ERP)	
150.5 MHz	FX	N0N	100 W (ERP)	
163 MHz	FX	N0N	100 W (ERP)	
173 MHz	FX	N0N	100 W (ERP)	
176.5 MHz	FX	N0N	100 W (ERP)	
183 MHz	FX	N0N	100 W (ERP)	
200 MHz	FX	N0N	100 W (ERP)	
208 MHz	FX	N0N	100 W (ERP)	
219 MHz	FX	N0N	100 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
221.05 MHz	FX	N0N	100 W (ERP)	
402 MHz	FX	N0N	100 W (ERP)	
414 MHz	FX	N0N	100 W (ERP)	
430 MHz	FX	N0N	100 W (ERP)	
445 MHz	FX	N0N	100 W (ERP)	
459 MHz	FX	N0N	100 W (ERP)	
471 MHz	FX	N0N	100 W (ERP)	
485 MHz	FX	N0N	100 W (ERP)	
500 MHz	FX	N0N	100 W (ERP)	
503 MHz	FX	N0N	100 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
529 MHz	FX	N0N	100 W (ERP)	
556 MHz	FX	N0N	100 W (ERP)	
584 MHz	FX	N0N	100 W (ERP)	
608 MHz	FX	N0N	100 W (ERP)	
638 MHz	FX	N0N	100 W (ERP)	
656 MHz	FX	N0N	100 W (ERP)	
683 MHz	FX	N0N	100 W (ERP)	
710 MHz	FX	N0N	100 W (ERP)	
745 MHz	FX	N0N	100 W (ERP)	
784 MHz	FX	N0N	100 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
799 MHz	FX	N0N	100 W (ERP)	
900 MHz	FX	N0N	100 W (ERP)	
942 MHz	FX	N0N	100 W (ERP)	
1400 MHz	FX	N0N	100 W (ERP)	
1682 MHz	FX	N0N	100 W (ERP)	
1760 MHz	FX	N0N	100 W (ERP)	
1830 MHz	FX	N0N	100 W (ERP)	
1932 MHz	FX	N0N	100 W (ERP)	
2000 MHz	FX	N0N	100 W (ERP)	

Special Conditions:

- (1) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (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 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.
- (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) Operations in the upper and lower 700 MHz bands must be prior coordinated with affected existing and new Part 27 and Part 74 licensees to avoid interference.