

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WG2XOK

(Call Sign)

0087-EX-PL-2013

(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(i) of the Commission's Rules

Station Locations

- (1) Patuxent River (ST MARYS), MD - NL 38-17-26; WL 76-24-33
- (2) Owego (TIOGA), NY - NL 42-05-49; WL 76-13-29; MOBILE: Owego, NY, within 100 km, centered around NL 42-05-49; WL 76-13-29
- (3) Bloomfield (HARTFORD), CT - NL 41-51-34; WL 72-42-34; MOBILE: Bloomfield, CT, within 100 km, centered around NL 41-51-34; WL 72-42-34
- (4) Blackstone (NOTTOWAY), VA - NL 37-02-30; WL 77-55-00; MOBILE: Blackstone, VA, within 10 km, centered around NL 37-02-30; WL 77-55-00

Frequency Information

Patuxent River (ST MARYS), MD - NL 38-17-26; WL 76-24-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29.5-30 GHz	FX	28M8G1W	1621810 W (ERP)	
29.5-30 GHz	FX	28M8G1W	50118 W (ERP)	
29.5-30 GHz	FX	14M4G1W 7M20G1W	50118 W (ERP)	

This authorization effective March 21, 2013 and
will expire 3:00 A.M. EST April 01, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Patuxent River (ST MARYS), MD - NL 38-17-26; WL 76-24-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29.5-30 GHz	FX	3M60G1W	50118 W (ERP)	
29.5-30 GHz	MO	14M4G1W	810905 W (ERP)	
29.5-30 GHz	MO	7M20G1W	405452 W (ERP)	
29.5-30 GHz	FX	3M60G1W	202726 W (ERP)	

Owego (TIOGA), NY - NL 42-05-49; WL 76-13-29; MOBILE: Owego, NY, within 100 km, centered around NL 42-05-49; WL 7

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29.5-30 GHz	MO	28M8G1W 28M8G1W 28G8G1W 28M8G1W	1621810 W (ERP)	
29.5-30 GHz	FX	28M5G1W 14M4G1W 7M20G1W 3M60G1W	50118 W (ERP)	
29.5-30 GHz	FX	14M4G1W	810905 W (ERP)	

Frequency Information

Owego (TIOGA), NY - NL 42-05-49; WL 76-13-29; MOBILE: Owego, NY, within 100 km, centered around NL 42-05-49; WL 7

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29.5-30 GHz	FX	7M20G1W	40542 W (ERP)	
29.5-30 GHz	FX	3M60G1W	202726 W (ERP)	

Bloomfield (HARTFORD), CT - NL 41-51-34; WL 72-42-34; MOBILE: Bloomfield, CT, within 100 km, centered around NL 41-5

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29.5-30 GHz	FX	28M8G1W 28M8G1W 28M8G1W	1621810 W (ERP)	
29.5-30 GHz	MO	28M8G1W 14M4G1W 7M20G1W 3M60G1W	50118 W (ERP)	
29.5-30 GHz	FX	14M4G1W 7M20G1W	405452 W (ERP)	
29.5-30 GHz	FX	3M60G1W	202726 W (ERP)	

Frequency Information

Blackstone (NOTTOWAY), VA - NL 37-02-30; WL 77-55-00; MOBILE: Blackstone, VA, within 10 km, centered around NL 37-

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29.5-30 GHz	MO	28M8G1W 14M4G1W 7M20G1W 3M60G1W	1621810 W (ERP)	
29.5-30 GHz	FX	28M8G1W 14M4G1W 7M20G1W 3M60G1W	50118 W (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) POINT OF COMMUNICATION: AMC-16.
- (4) The designated points-of-contact to terminate transmissions if interference occurs are: (607) 426-2525 and (607) 206-0097.
- (5) Licensee must comply with the FCC CFR 47, Part 25 rules.
- (6) The licensee must record the location (latitude/longitude/altitude), at intervals of not greater than 1 minute while the experimental station is transmitting. The licensee shall make this data available within 24 hours of a request from the Commission.