

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WF2XHK

(Call Sign)

0152-EX-ML-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 42-06-07; WL 76-13-17; MOBILE: Owego (TIOGA), NY, within 4 km, centered around NL 42-06-07; WL 76-13-17
- (2) MOBILE: Airborne Mobile operating within radius around Lockheed Owego Portable Ground station, within 200 km, centered around NL 42-06-07; WL 76-13-17
- (3) Bloomfield (HARTFORD), CT - NL 41-51-28; WL 72-42-06; MOBILE: Bloomfield (HARTFORD), CT, within 4 km, centered around NL 41-51-28; WL 72-42-06
- (4) MOBILE: Airborne mobile with radius communicating with Ground Station, within 200 km, centered around NL 41-51-28; WL 72-42-06
- (5) Rome (ONEIDA), NY - NL 43-13-29; WL 75-24-25; MOBILE: Rome, NY, within 75 km, centered around NL 43-13-29; WL 75-24-25

Frequency Information

Owego (TIOGA), NY - NL 42-06-07; WL 76-13-17; MOBILE: Owego (TIOGA), NY, within 4 km, centered around NL 42-06-07;

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15.195 GHz	FX	64M0G1D	1580 W (ERP)	
15.3 GHz	FX	64M0G1D	1580 W (ERP)	

This authorization effective October 08, 2014 and
will expire 3:00 A.M. EST May 01, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Airborne Mobile operating within radius around Lockheed Owego Portable Ground station, within 200 km, centered around NL 42-06-07; WL 76-13-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.73 GHz	MO	21M4G1D	10 W (ERP)	
14.76 GHz	MO	21M4G1D	10 W (ERP)	

Bloomfield (HARTFORD), CT - NL 41-51-28; WL 72-42-06; MOBILE: Bloomfield (HARTFORD), CT, within 4 km, centered aro

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15.195 GHz	FX	64M0G1D	1580 W (ERP)	
15.3 GHz	FX	64M0G1D	1580 W (ERP)	

MOBILE: Airborne mobile with radius communicating with Ground Station, within 200 km, centered around NL 41-51-28; WL 72-42-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.73 GHz	MO	21M4G1D	10 W (ERP)	
14.76 GHz	MO	21M4G1D	10 W (ERP)	

Frequency Information

Rome (ONEIDA), NY - NL 43-13-29; WL 75-24-25; MOBILE: Rome, NY, within 75 km, centered around NL 43-13-29; WL 75-2

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.73 GHz	MO	21M4G1D	10 W (ERP)	
14.76 GHz	MO	21M4G1D	10 W (ERP)	
15.195 GHz	FX	64M0G1D	1580 W (ERP)	
15.3 GHz	FX	64M0G1D	1580 W (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) 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.