

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

EXPERIMENTAL

(Nature of Service)

WH2XOB

(Call Sign)

XC FX MO

(Class of Station)

0005-EX-CR-2021

(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) Owego (TIOGA), NY - NL 42-06-08; WL 76-13-20; MOBILE: Owego, NY, within 161 km, centered around NL 42-06-08; WL 76-13-20
- (2) Owego (TIOGA), NY - NL 42-05-50; WL 76-13-28

Frequency Information

Owego (TIOGA), NY - NL 42-06-08; WL 76-13-20; MOBILE: Owego, NY, within 161 km, centered around NL 42-06-08; WL 76-13-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.1835 MHz	MO	3K00F3E 3K00J3E	100 W (ERP)	
2.2975 MHz	MO	3K00J3E	100 W (ERP)	
2.3015 MHz	MO	3K00J3E	100 W (ERP)	

This authorization effective January 01, 2021 and
will expire 3:00 A.M. EST January 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Owego (TIOGA), NY - NL 42-06-08; WL 76-13-20; MOBILE: Owego, NY, within 161 km, centered around NL 42-06-08; WL 76

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.5765 MHz	MO	3K00J3E	100 W (ERP)	
3.0245 MHz	MO	3K00J3E	100 W (ERP)	
3.0545 MHz	MO	3K00J3E	100 W (ERP)	
3.1315 MHz	MO	3K00J3E	100 W (ERP)	
3.8515 MHz	MO	3K00F3E 3K00J3E	100 W (ERP)	
3.8865 MHz	MO	3K00J3E	100 W (ERP)	
4.5785 MHz	MO	3K00J3E	100 W (ERP)	
4.7045 MHz	MO	3K00J3E	100 W (ERP)	
4.8215 MHz	MO	3K00J3E	100 W (ERP)	
5.1765 MHz	MO	3K00F3E 3K00J3E	100 W (ERP)	

Frequency Information

Owego (TIOGA), NY - NL 42-06-08; WL 76-13-20; MOBILE: Owego, NY, within 161 km, centered around NL 42-06-08; WL 76

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.6815 MHz	MO	3K00J3E	100 W (ERP)	
5.969 MHz	MO	3K00F2E 3K00J3E 3K00J3E 3K00J3E	100 W (ERP)	
6.6525 MHz	MO	3K00J3E	100 W (ERP)	
6.7315 MHz	MO	3K00J3E	100 W (ERP)	
7.6665 MHz	MO	3K00F3E 3K00J3E	100 W (ERP)	
8.2844 MHz	MO	3K00F3E 3K00J3E	100 W (ERP)	
10.7665 MHz	MO	3K00F3E 3K00J3E	100 W (ERP)	
11.175 MHz	MO	3K00F3E 3K00F3E 3K00J3E	100 W (ERP)	

Frequency Information

Owego (TIOGA), NY - NL 42-06-08; WL 76-13-20; MOBILE: Owego, NY, within 161 km, centered around NL 42-06-08; WL 76

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
11.2185 MHz	MO	3K00F3E 3K00J3E	100 W (ERP)	
29.9999 MHz	MO	3K00J3E	100 W (ERP)	

Owego (TIOGA), NY - NL 42-05-50; WL 76-13-28

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.1835 MHz	FX	3K00F3E 3K00J3E	100 W (ERP)	
2.2975 MHz	FX	3K00J3E	100 W (ERP)	
2.3015 MHz	FX	3K00J3E	100 W (ERP)	
2.5765 MHz	FX	3K00J3E	100 W (ERP)	
3.0245 MHz	FX	3K00J3E	100 W (ERP)	
3.0545 MHz	FX	3K00J3E	100 W (ERP)	

Frequency Information

Owego (TIOGA), NY - NL 42-05-50; WL 76-13-28

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1315 MHz	FX	3K00J3E	100 W (ERP)	
3.8515 MHz	FX	3K00F3E 3K00J3E	100 W (ERP)	
3.8515 MHz	FX	3K00J3E	100 W (ERP)	
3.8865 MHz	FX	3K00J3E	100 W (ERP)	
4.5785 MHz	FX	3K00J3E	100 W (ERP)	
4.7045 MHz	FX	3K00J3E	100 W (ERP)	
4.8215 MHz	FX	3K00J3E	100 W (ERP)	
5.1765 MHz	FX	3K00F3E 3K00J3E	100 W (ERP)	
5.6815 MHz	FX	3K00J3E	100 W (ERP)	
5.969 MHz	FX	3K00F2E 3K00J3E 3K00J3E	100 W (ERP)	

Frequency Information

Owego (TIOGA), NY - NL 42-05-50; WL 76-13-28

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.969 MHz	FX	3K00J3E	100 W (ERP)	
5.969 MHz	FX	3K00J3E	100 W (ERP)	
6.6525 MHz	FX	3K00J3E	100 W (ERP)	
6.7315 MHz	FX	3K00J3E	100 W (ERP)	
7.6665 MHz	FX	3K00F3E 3K00J3E	100 W (ERP)	
8.2844 MHz	FX	3K00F3E 3K00J3E	100 W (ERP)	
10.7665 MHz	FX	3K00F3E 3K00J3E	100 W (ERP)	
11.175 MHz	FX	3K00F3E 3K00F3E 3K00J3E	100 W (ERP)	
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Frequency Information

Owego (TIOGA), NY - NL 42-05-50; WL 76-13-28

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29.9999 MHz	FX	3K00J3E	100 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.
- (4) Due to anticipated harmful interferences operation is not permitted in frequencies: 3.494, 8.864, 15, 20 and 25 (all in MHz).
- (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 N00019-09-G-0005-4085. 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.
- (6) Antenna above ground level not to exceed 3000 ft.