

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

EXPERIMENTAL

(Nature of Service)

WK2XZS

(Call Sign)

XC FX

(Class of Station)

0382-EX-CN-2020

(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) Syracuse (ONONDAGA), NY - NL 43-06-43; WL 76-11-18
- (2) Manlius (ONONDAGA), NY - NL 42-55-37; WL 75-55-27

Frequency Information

Syracuse (ONONDAGA), NY - NL 43-06-43; WL 76-11-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1261-1289 MHz	FX	10M0Q3N	23.34 MW (ERP)	
1353-1390 MHz	FX	10M0Q3N	23.34 MW (ERP)	

This authorization effective May 28, 2020 and
will expire 3:00 A.M. EST June 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Manlius (ONONDAGA), NY - NL 42-55-37; WL 75-55-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1261-1289 MHz	FX	10M0Q3N	23.34 MW (ERP)	
1353-1390 MHz	FX	10M0Q3N	23.34 MW (ERP)	

Special Conditions:

- (1) One or more frequency assignments were coordinated prior to authorization with FAA Headquarters, 800 Independence Avenue, S.W., Washington, DC 20591; Telephone: 202-267-8699.
- (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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (5) GROUND BASED TESTING ONLY.
- (6) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.
- (7) For the Syracuse, NY location NL 43-06-43; WL 76-11-18, operations on 1261-1289 MHz will be in accordance with the following:
PRR = 1-1K pps, pulse duration = 2.0 us.
Blanking is required between 51-19 degrees referenced to True North.

For the Syracuse, NY location NL 43-06-43; WL 76-11-18, operations on 1353-1390 MHz will be in accordance with the following:
PRR = 1-1K pps, pulse duration = 2.0 us.
Blanking is required between 211-114 degrees and 171-194 degrees referenced to True North.

Special Conditions:

- (8) For the Manlius, NY location NL 42-55-37; WL 75-55-27, operations on 1261-1289 MHz will be in accordance with the following:
PRR = 1-1K pps, pulse duration = 2.0 us.
Blanking is required between 90-270 degrees referenced to True North.

For the Manlius, NY location NL 42-55-37; WL 75-55-27, operations on 1353-1390 MHz will be in accordance with the following:
PRR = 1-1K pps, pulse duration = 2.0 us.
Blanking is required between 224-108 degrees and 186-209 degrees referenced to True North.

- (9) 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 FA8730-20-R-0023. 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.