

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

EXPERIMENTAL

(Nature of Service)

XC FX MO

(Class of Station)

WC2XRP

(Call Sign)

0324-EX-CR-2017

(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) East Syracuse (ONONDAGA), NY - NL 43-05-23; WL 76-05-53; MOBILE: East Syracuse, NY, within 1 km, centered around NL 43-05-23; WL 76-05-53
- (2) Cazenovia (ONONDAGA), NY - NL 42-55-37; WL 75-55-27; MOBILE: Cazenovia, NY, within 1 km, centered around NL 42-55-37; WL 75-55-27

Frequency Information

East Syracuse (ONONDAGA), NY - NL 43-05-23; WL 76-05-53; MOBILE: East Syracuse, NY, within 1 km, centered around N

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1264-1286 MHz	MO	10M0Q3N	258 MW (ERP)	
1264-1286 MHz	FX	12M0P0N	241 MW (ERP)	
1353-1392 MHz	FX	12M0P0N	241 MW (ERP)	

This authorization effective August 01, 2017 and
will expire 3:00 A.M. EST August 01, 2019

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Frequency Information

East Syracuse (ONONDAGA), NY - NL 43-05-23; WL 76-05-53; MOBILE: East Syracuse, NY, within 1 km, centered around N

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1353-1392 MHz	MO	10M0Q3N	258 MW (ERP)	

Cazenovia (ONONDAGA), NY - NL 42-55-37; WL 75-55-27; MOBILE: Cazenovia, NY, within 1 km, centered around NL 42-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1264-1286 MHz	FX	12M0P0N 0H00N0N	241 MW (ERP)	
1264-1286 MHz	MO	10M0Q3N	258 MW (ERP)	
1353-1392 MHz	FX	12M0P0N	241 MW (ERP)	
1353-1392 MHz	MO	10M0Q3N	258 MW (ERP)	

Special Conditions:

- (1) Assignment on 1030 MHz or in one of the bands 1215-1400, 2700-2900, or 9000-9200 MHz was coordinated prior to authorization with the FAA Eastern Coordinator, New York, NY. Use of frequencies under the authority of this assignment is subject to such further coordination with the FAA Eastern Coordinator, New York, NY, as necessary to ensure compatibility with existing uses.
- (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.

Special Conditions:

- (5) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by contract numbers M67854-10-D-2200, W25G1V-14-C-0016, M67854-07-C-2051, M67854-15-D-6004, M67854-16-C-6005. 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) The authorized emission bandwidths shall be located within the bands so that they do not extend beyond the upper or lower limits of the authorized bands.
- (7) For the Cazenovia (FX/MO) location NL 42-55-37; WL 75-55-27, operations on 1353-1392 MHz will be in accordance with the following: PRR = 1-1000 pps, and pulse duration = 2 usec and ERP = 241/258 MW peak, respectively. TRANSMISSIONS ARE REQUIRED TO BE BLANKED BETWEEN 0-40 DEG, and 95-105 DEG, and 160-195 DEG, and 260-360 DEG REF TO TRUE NORTH.
- (8) For the Cazenovia (FX/MO) location NL 42-55-37; WL 75-55-27, operations on 1264-1286 MHz will be in accordance with the following: PRR = 1-1000 pps, pulse duration = 2 usec and ERP = 241/258 MW peak, respectively. TRANSMISSIONS ARE REQUIRED TO BE BLANKED BETWEEN 5-15 DEG, and 178-188 DEG REF TO TRUE NORTH.
- (9) For the East Syracuse (FX/MO) location NL 43-05-23; WL 76-05-53, operations on 1353-1392 MHz will be in accordance with the following: PRR = 1-1000 pps, pulse duration = 2 usec and ERP = 241/258 MW peak, respectively. TRANSMISSIONS ARE REQUIRED TO BE BLANKED BETWEEN 10-20 DEG REF TO TRUE NORTH.
- (10) For the East Syracuse (FX/MO) location NL 43-05-23; WL 76-05-53, operations on 1264-1286 MHz will be in accordance with the following: PRR = 1-1000 pps, pulse duration = 2 usec and ERP = 241/258 MW peak, respectively. TRANSMISSIONS ARE REQUIRED TO BE BLANKED BETWEEN 3-13 DEG, and 180-190 DEG REF TO TRUE NORTH.