

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

EXPERIMENTAL

(Nature of Service)

XC FX

(Class of Station)

WC2XRP

(Call Sign)

0165-EX-RR-2009

(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(b) of the Commission's Rules

Station Locations

- (1) Syracuse within 1 km, NY - NL 43-06-43; WL 76-11-18
- (2) East Syracuse within 1 km, NY - NL 43-05-20; WL 76-05-53
- (3) Cazenovia within 1 km, NY - NL 42-52-36; WL 75-55-27

Frequency Information

Syracuse within 1 km, NY - NL 43-06-43; WL 76-11-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1252-1291 MHz	FX	12M5Q1N	0.63 W (ERP)	
1264-1286 MHz	FX	12M0P0N	241 MW (ERP)	
1335-1348 MHz	FX	12M5Q1N 12M5P0N	0.63 W (ERP)	

This authorization effective August 01, 2009 and
will expire 3:00 A.M. EST August 01, 2011

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Frequency Information

Syracuse within 1 km, NY - NL 43-06-43; WL 76-11-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1353-1392 MHz	FX	12M5Q1N	0.63 W (ERP)	
1353-1392 MHz	FX	12M5P0N	241 MW (ERP)	

East Syracuse within 1 km, NY - NL 43-05-20; WL 76-05-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1264-1286 MHz	FX	12M0P0N	241 MW (ERP)	
1335-1348 MHz	FX	12M5P0N 12M5Q1N	0.63 W (ERP)	
1353-1392 MHz	FX	12M5Q1N	0.63 W (ERP)	
1353-1392 MHz	FX	12M5P0N	241 MW (ERP)	

Cazenovia within 1 km, NY - NL 42-52-36; WL 75-55-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1253-1291 MHz	FX	12M5Q1N	0.63 W (ERP)	

Frequency Information

Cazenovia within 1 km, NY - NL 42-52-36; WL 75-55-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1264-1286 MHz	FX	12M0P0N	241 MW (ERP)	
1335-1348 MHz	FX	12M5P0N 12M5Q1N	0.63 W (ERP)	
1353-1392 MHz	FX	12M5Q1N	0.63 W (ERP)	
1353-1392 MHz	FX	12M5P0N	241 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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by contract numbers M67854-00-C-2049 and M67854-00-C-2008. 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.
- (5) 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.
- (6) For the Syracuse location NL 43-06-43; WL 76-11-18, operations on 1264-1286 MHz will be in accordance with the following: PRR = 1-1000 pps, pulse duration = 2 us and ERP = 241 MW peak. TRANSMISSIONS ARE REQUIRED TO BE BLANKED BETWEEN 5-15 DEG, and 178-188 DEG REF TO TRUE NORTH.
- (7) Operations on 1252-1291 MHz, and 1335-1348 MHz will be in accordance with the following: PRR = 1-1000 pps, pulse duration = 2 us and ERP = 0.63 W peak.

Special Conditions:

- (8) For the Syracuse location NL 43-06-43; WL 76-11-18, operations on 1353-1392 MHz will be in accordance with the following: PRR = 1-1000 pps, pulse duration = 2 us and ERP = 241 MW peak. TRANSMISSIONS ARE REQUIRED TO BE BLANKED BETWEEN 14-24 DEG REF TO TRUE NORTH.
- (9) For the Syracuse location NL 43-05-20; WL 76-05-53, operations on 1264-1286 MHz will be in accordance with the following: PRR = 1-1000 pps, pulse duration = 2 us and ERP = 241 MW peak. TRANSMISSIONS ARE REQUIRED TO BE BLANKED BETWEEN 3-13 DEG, and 180-190 DEG REF TO TRUE NORTH.
- (10) For the Syracuse location NL 43-05-20; WL 76-05-53, operations on 1353-1392 MHz will be in accordance with the following: PRR = 1-1000 pps, pulse duration = 2 us and ERP = 241 MW peak. TRANSMISSIONS ARE REQUIRED TO BE BLANKED BETWEEN 10-20 DEG REF TO TRUE NORTH.
- (11) For the Cazenovia location NL 42-52-36; WL 75-52-27, operations on 1264-1286 MHz will be in accordance with the following: PRR = 1-1000 pps, pulse duration = 2 us and ERP = 241 MW peak. TRANSMISSIONS ARE REQUIRED TO BE BLANKED BETWEEN 5-15 DEG, and 178-188 DEG REF TO TRUE NORTH.
- (12) For the Cazenovia location NL 42-52-36; WL 75-52-27, operations on 1353-1392 MHz will be in accordance with the following: PRR = 1-1000 pps, pulse duration = 2 us and ERP = 241 MW peak. TRANSMISSIONS ARE REQUIRED TO BE BLANKED BETWEEN 14-24 DEG REF TO TRUE NORTH.