

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WI2XII

(Call Sign)

0273-EX-PL-2016

(File Number)

NAME Raytheon SAS

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) Marlborough (MIDDLESEX), MA - NL 42-20-34; WL 71-29-35
- (2) Marlborough (MIDDLESEX), MA - NL 42-20-34; WL 71-29-38

Frequency Information

Marlborough (MIDDLESEX), MA - NL 42-20-34; WL 71-29-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200-2310 MHz	FX	28M6G1D 63M9G1D	5.3 W (ERP)	
2390-2500 MHz	FX	28M6G1D 63M9G1D	5.3 W (ERP)	
4400-4990 MHz	FX	63M9G1D	17.7 mW (ERP)	
14.4-15.35 GHz	FX	49M2G1D	44.1 W (ERP)	

This authorization effective May 19, 2016 and
will expire 3:00 A.M. EST June 01, 2018

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Frequency Information

Marlborough (MIDDLESEX), MA - NL 42-20-34; WL 71-29-35

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14.4-15.35 GHz	FX	63M9G1D 368MG1D 28M6G1D	44.1 W (ERP)	

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14.4-15.35 GHz	FX	49M2G1D 63M9G1D 368MG1D 28M6G1D	44.1 W (ERP)	

Special Conditions:

- (1) Operation is subject to prior coordination with affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (2) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at http://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.

Special Conditions:

- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) Operation is subject to prior coordination with the local SBE frequency coordinator and the Fixed Microwave Service licensees prior to operation in 2390-2500 MHz band.
- (6) Operation must be consented by WCS "A" Block licensees (2305-2310 MHz/2350-2355 MHz) within 50 miles of the test area.
- (7) Operation must be prior coordinated and approved by Public Safety Land Mobile (Part 90Y) licensees in the band 4940-4990 MHz within 50 miles of proposed locations.