

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WJ2XAD

(Call Sign)

0487-EX-TC-2019

(File Number)

NAME Raytheon Company

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 42-20-54; WL 71-29-29

Frequency Information

Marlborough (MIDDLESEX), MA - NL 42-20-54; WL 71-29-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9010 MHz	FX	12M0Q3N	953.4 kW (ERP)	0.001 %
9190 MHz	FX	12M0Q3N	953.4 kW (ERP)	0.001 %

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) 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.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

This authorization effective January 23, 2020 and
will expire 3:00 A.M. EST September 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (4) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (5) Operation on 9000-9200 MHz will be in accordance with the following restrictions:
 - a) PRR = 3.90625k pps
 - b) Pulse Duration = 6/55 usec
 - c) No Airborne Platform
 - d) Stage 4 is Fixed Ground Site
- (6) Stop buzzer points of contact are Karen Dyberg at (508) 450-9236 and Nathan Miller at (507) 421-9830