

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

EXPERIMENTAL

(Nature of Service)

WF2XJF

(Call Sign)

XD FX MO

(Class of Station)

0476-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) Redstone Arsenal (MADISON), AL - NL 34-39-09; WL 86-40-17; MOBILE: Redstone Arsenal (MADISON), AL, within 100 km, centered around NL 34-39-09; WL 86-40-17
- (2) Tucson (PIMA), AZ - NL 32-05-43; WL 110-57-06; MOBILE: Tucson, PIMA, AZ, within 40 km, centered around NL 32-05-43; WL 110-57-06
- (3) McKinney (COLLIN), TX - NL 33-12-46; WL 96-39-05; MOBILE: McKinney, TX, within 200 km, centered around NL 33-12-47; WL 96-39-05

Frequency Information

Redstone Arsenal (MADISON), AL - NL 34-39-09; WL 86-40-17; MOBILE: Redstone Arsenal (MADISON), AL, within 100 km,

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
34-38 GHz	MO	120MQ3N	110 W (ERP)	
34-38 GHz	FX	120MQ3N	110 W (ERP)	

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Tucson (PIMA), AZ - NL 32-05-43; WL 110-57-06; MOBILE: Tucson, PIMA, AZ, within 40 km, centered around NL 32-05-43; V

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
34-38 GHz	FX	120MQ3N	110 W (ERP)	
34-38 GHz	MO	120MQ3N	110 W (ERP)	

McKinney (COLLIN), TX - NL 33-12-46; WL 96-39-05; MOBILE: McKinney, TX, within 200 km, centered around NL 33-12-47;

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
34-38 GHz	MO	120MQ3N 48M0G1D	110 W (ERP)	
34-38 GHz	FX	120MQ3N 48M0G1D	110 W (ERP)	

Special Conditions:

- (1) 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.
- (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) Operation is subject to prior coordination with Fixed Microwave licensees.
- (5) Stop buzzer is Mr. John Adams at (803) 318-0021.