

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WE2XRD

(Call Sign)

0384-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) McKinney (COLLIN), TX - NL 33-12-51; WL 96-39-23
- (2) McKinney, TX - NL 33-12-42; WL 96-39-25
- (3) McKinney (COLLIN), TX - NL 33-12-51; WL 96-39-23

Frequency Information

McKinney (COLLIN), TX - NL 33-12-51; WL 96-39-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2000-2025 MHz	FX	NON	100 mW (ERP)	
2110-2200 MHz	FX	NON NON	100 mW (ERP)	
2450-2483.5 MHz	FX	NON	100 mW (ERP)	

This authorization effective January 23, 2020 and
will expire 3:00 A.M. EST October 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

McKinney (COLLIN), TX - NL 33-12-51; WL 96-39-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2500-2655 MHz	FX	N0N	100 mW (ERP)	
3650-4200 MHz	FX	N0N	100 mW (ERP)	
4500-4800 MHz	FX	N0N	100 mW (ERP)	
4940-4990 MHz	FX	N0N	100 mW (ERP)	
10550-10600 MHz	FX	N0N	100 mW (ERP)	
10700-12750 MHz	FX	N0N N0N	100 mW (ERP)	
14200-14400 MHz	FX	N0N N0N	100 mW (ERP)	

McKinney, TX - NL 33-12-42; WL 96-39-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2600-2690 MHz	FX	N0N	54 mW (ERP)	

Frequency Information

McKinney, TX - NL 33-12-42; WL 96-39-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-4200 MHz	FX	N0N	58 mW (ERP)	
4500-4800 MHz	FX	N0N	47.9 mW (ERP)	
4940-4990 MHz	FX	N0N	48.3 mW (ERP)	
10550-10600 MHz	FX	N0N	51.8 mW (ERP)	

McKinney (COLLIN), TX - NL 33-12-51; WL 96-39-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.2-16.8 GHz	FX	N0N	100 mW (ERP)	

Special Conditions:

- (1) Operation is subject to prior coordination with affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (2) Operation in the 1695-1780 MHz, 1915-1920 MHz, 1995-2020 MHz or 2110-2200 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (5) 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.
- (6) The designated point-of-contact to terminate transmissions if interference occurs is: Tracy Johnson at (972) 952-3447.

Special Conditions:

- (7) The licensee must consult the ULS database to ensure that the proposed operation will not cause adverse effect to any existing registered stations in the 3650-3700 MHz band and notify registered users in the immediate geographic area.