

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

EXPERIMENTAL

(Nature of Service)

WL2XKF

(Call Sign)

XD FX

(Class of Station)

0809-EX-CN-2020

(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 33-12-55; WL 96-38-56

Frequency Information

McKinney (COLLIN), TX - NL 33-12-55; WL 96-38-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
19.7-21.2 GHz	FX	100HN0N	40 kW (ERP)	
22.25-23.6 GHz	FX	100HN0N	40 kW (ERP)	
24-29.1 GHz	FX	100HN0N	40 kW (ERP)	
29.25-31 GHz	FX	100HN0N	40 kW (ERP)	

This authorization effective February 16, 2021 and
will expire 3:00 A.M. EST March 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

McKinney (COLLIN), TX - NL 33-12-55; WL 96-38-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
31.3-37 GHz	FX	100HN0N	40 kW (ERP)	
31.8-37 GHz	FX	100HN0N	40 kW (ERP)	
40-42 GHz	FX	100HN0N	41 kW (ERP)	
42.5-47.2 GHz	FX	100HN0N	41 kW (ERP)	
48.2-50 GHz	FX	100HN0N	41 kW (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 limited to indoor.
- (5) Secure consents from the Upper Microwave Flexible Use Service licensees in the proposed area prior to accessing to 31.3-37 GHz and 42.5-47.2 GHz bands to protect the UMFUS operations in adjacent bands, 37-40 GHz and 47.2-48.2 GHz, respectively.
- (6) Coordinate with Fixed Microwave Service licensees in accordance with 47 C.F.R, Part 101.103(d) prior to operation in 22.25-29.1 GHz, 29.25-31 GHz.
- (7) The stop buzzer POC is Thomas Watson at (214) 578-2411.