

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WK2XKW

(Call Sign)

0457-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) Ft Wayne (ALLEN), IN - NL 41-07-21; WL 85-09-22

Frequency Information

Ft Wayne (ALLEN), IN - NL 41-07-21; WL 85-09-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2 MHz	FX	24K0J3E 24K0J1D 24K0A1A 24K0D1D 24K0V1D 24K0R2D	1.5 kW (ERP)	
4 MHz	FX	24K0J3E 24K0J1D 24K0A1A 24K0D1D 24K0V1D	1.5 kW (ERP)	

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Ft Wayne (ALLEN), IN - NL 41-07-21; WL 85-09-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4 MHz	FX	24K0R2D	1.5 kW (ERP)	
6 MHz	FX	24K0J3E 24K0J1D 24K0A1A 24K0D1D 24K0V1D 24K0R2D	1.5 kW (ERP)	
8 MHz	FX	24K0A1A 24K0D1D 24K0J3E 24K0J1D 24K0V1D 24K0R2D	1.5 kW (ERP)	
10 MHz	FX	24K0A1A 24K0J3E 24K0D1D 24K0J1D 24K0V1D 24K0R2D	1.5 kW (ERP)	
15 MHz	FX	24K0A1A 24K0J3E 24K0D1D 24K0J1D 24K0V1D 24K0R2D	1.5 kW (ERP)	

Frequency Information

Ft Wayne (ALLEN), IN - NL 41-07-21; WL 85-09-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
20 MHz	FX	24K0J3E 24K0J1D 24K0A1A 24K0D1D 24K0V1D 24K0R2D	1.5 kW (ERP)	
25 MHz	FX	24K0A1A 24K0J3E 24K0D1D 24K0J1D 24K0V1D 24K0R2D	1.5 kW (ERP)	
30 MHz	FX	24K0A1A 24K0J3E 24K0D1D 24K0J1D 24K0V1D 24K0R2D	1.5 kW (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) Stop Buzzer: David Edwards 508-490-2616
- (5) According to 47 CFR Section 87.149, 10 MHz, 15 MHz, 20 MHz, and 25 MHz are among protected frequencies.