

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

EXPERIMENTAL

(Nature of Service)

WG2XRP

(Call Sign)

XD FX MO

(Class of Station)

0501-EX-CR-2021

(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) STERLING (LOUDOUN), VA - NL 38-58-48; WL 77-29-02; MOBILE: STERLING, VA, within 0.2 km, centered around NL 38-58-48; WL 77-29-02

Frequency Information

STERLING (LOUDOUN), VA - NL 38-58-48; WL 77-29-02; MOBILE: STERLING, VA, within 0.2 km, centered around NL 38-5

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
462.45 MHz	MO	8K00F1E	5 W (ERP)	
4.94-4.99 GHz	FX	10M0D7D	2 W (ERP)	
5.47-5.725 GHz	FX	15M0D7D	2 W (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.

This authorization effective July 01, 2021 and
will expire 3:00 A.M. EST July 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (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) POINT OF COMMUNICATION: GALAXY 18