

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

EXPERIMENTAL
(Nature of Service)

WJ2XIP
(Call Sign)

XD FX MO
(Class of Station)

0116-EX-CR-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) Midlothian (ELLIS), TX - NL 32-27-08; WL 96-54-36; MOBILE: Midlothian, TX, within 300 km, centered around NL 32-27-08; WL 96-54-36

Frequency Information

Midlothian (ELLIS), TX - NL 32-27-08; WL 96-54-36; MOBILE: Midlothian, TX, within 300 km, centered around NL 32-27-08; V

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.7145-14.83 GHz	MO	2M40G1D 8M00G1D 9M58G1D 21M4G1D 42M8G1D 64M0G1D 89M5G1D	484.346 W (ERP)	
15.15-15.35 GHz	MO	2M40G1D 8M00G1D 9M58G1D 21M4G1D	484.346 W (ERP)	

This authorization effective May 01, 2020 and
will expire 3:00 A.M. EST May 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Midlothian (ELLIS), TX - NL 32-27-08; WL 96-54-36; MOBILE: Midlothian, TX, within 300 km, centered around NL 32-27-08; V

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15.15-15.35 GHz	MO	42M8G1D 64M0G1D 89M5G1D	484.346 W (ERP)	
15.4-15.53 GHz	MO	89M5G1D 64M0G1D 42M8G1D 21M4G1D 9M58G1D 8M00G1D 2M40G1D	484.346 W (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) The stop buzzer contact for this project is Thomas Taylor at (972) 952-3556.
- (5) The authorized station must be in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules.
- (6) Station authorized herein must not be used to provide air traffic control communications.
- (7) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (8) Operation is not permitted in 15.35-15.40 GHz band.