

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WJ2XLW

(Call Sign)

0139-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) MOBILE: Mckinney, TX, within 200 km, centered around NL 33-12-48; WL 96-39-12

Frequency Information

MOBILE: Mckinney, TX, within 200 km, centered around NL 33-12-48; WL 96-39-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
43.25 MHz	MO	16K0F3E 8K00F1D	63 W (ERP)	
158.45 MHz	MO	16K0F3E 8K00F1D	63 W (ERP)	
220.5 MHz	MO	16K0F3E 8K00F1D	63 W (ERP)	
224 MHz	MO	16K0F3E	63 W (ERP)	

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Mckinney, TX, within 200 km, centered around NL 33-12-48; WL 96-39-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
224 MHz	MO	8K00F1D	63 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.
- (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) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at https://www.sbe.org/sections/freq_local.php to find the appropriate coordinator.
- (4) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (5) Raytheon SAS coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation on 158.45 MHz.
- (6) Prior to commencing testing operations, the applicant must obtain consent from the following within 300 miles of the contours of the testing area:
 - Paging Service licensees in 43 MHz
 - Paging Service licensees in 158 MHz
 - Paging Service licensees in 152 MHz/158 MHz
 - 220-222 MHz Service licensees
- (7) The stop buzzer contact for this project is Thomas Taylor at (972) 952-3556.