

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WJ2XJS

(Call Sign)

0417-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) Midlothian (ELLIS), TX - NL 32-27-08; WL 96-54-36

Frequency Information

Midlothian (ELLIS), TX - NL 32-27-08; WL 96-54-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
31.5 MHz	FX	16K0F3E 8K00F1D	63 W (ERP)	
43.25 MHz	FX	16K0F3E 8K00F1D	63 W (ERP)	
75.4 MHz	FX	16K0F3E 8K00F1D	63 W (ERP)	
158.45 MHz	FX	16K0F3E	63 W (ERP)	

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Midlothian (ELLIS), TX - NL 32-27-08; WL 96-54-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
158.45 MHz	FX	8K00F1D	63 W (ERP)	
173.2 MHz	FX	12K5F3E 8K00F1D	63 W (ERP)	
220.5 MHz	FX	16K0F3E 8K00F1D	63 W (ERP)	
224 MHz	FX	16K0F3E 8K00F1D	63 W (ERP)	

Special Conditions:

- (1) 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.
- (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 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 and 173.2 MHz.
- (6) Operation is subject to consent of the following within 50 miles of the test area:
 - All services in 220 MHz,
 - 220-222 MHz Service,
 - Paging Service licensees in 43 MHz, 158 MHz, and 152 MHz/158 MHz.