

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

EXPERIMENTAL

(Nature of Service)

WL2XEP

(Call Sign)

XE FX

(Class of Station)

0048-EX-CM-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(c) of the Commission's Rules

Station Locations

(1) Fullerton (ORANGE), CA - NL 33-53-00; WL 117-57-30

Frequency Information

Fullerton (ORANGE), CA - NL 33-53-00; WL 117-57-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	FX	9M00M1D	230 W (ERP)	
		8M00V1D		
		9M60V1D		
		22M0V1D		

Special Conditions:

- (1) One or more frequency assignments were coordinated prior to authorization with FAA Headquarters, 800 Independence Avenue, S.W., Washington, DC 20591; Telephone: 202-267-8699.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) 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.

This authorization effective July 20, 2021 and
will expire 3:00 A.M. EST September 30, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (4) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (5) The designated point-of-contact to terminate transmissions if interference occurs is John Adams at (803) 318-0021, and (714) 262-5019.
- (6) Operations will be in accordance with the following requirements:
 - PRR = 405/225 pps, pulse duration = 0.8/1.06 us.
 - Supports modes 1,2,3/A,C, and 5 (Level 1).
 - User plans to obtain DOD AIMS certification.
 - Equipment will be foreign use only.
 - All IFF activities will be coordinated with local air traffic control.
 - All radiation must be confined to the sector 180-230 degrees in reference to True North.