

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

EXPERIMENTAL

(Nature of Service)

WL2XLH

(Call Sign)

XC FX

(Class of Station)

1070-EX-CN-2020

(File Number)

NAME Raytheon Company (Missiles and Defense - M)

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) Albuquerque (BERNALILLO), NM - NL 35-03-27; WL 106-31-31

Frequency Information

Albuquerque (BERNALILLO), NM - NL 35-03-27; WL 106-31-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2245 MHz	FX	90M0N0N	158 mW (ERP)	
20.7 GHz	FX	1G00N0N	158 mW (ERP)	
44.5 GHz	FX	3G00N0N	158 mW (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.

This authorization effective February 12, 2021 and
will expire 3:00 A.M. EST February 01, 2023

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COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Operations shall be conducted indoor only.
- (5) Raytheon Company Missiles and Defense Division is required to provide the Air Force (jimmy.nguyen@us.af.mil) with the stop buzzer POC info for operations.
- (6) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government; contract number 8140000827. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.