

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

EXPERIMENTAL

(Nature of Service)

WK2XEF

(Call Sign)

XD MO

(Class of Station)

0185-EX-CM-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: Kirkland AFB, NM, within 330 km, centered around NL 35-02-25; WL 106-36-33

Frequency Information

MOBILE: Kirkland AFB, NM, within 330 km, centered around NL 35-02-25; WL 106-36-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.2-17.71 GHz	FX		5760 W (ERP)	
		28K4M1N		
		461MM1N		
		3M80F1D		
		151MM1N		
		590MM1N		

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

This authorization effective November 12, 2020 and
will expire 3:00 A.M. EST June 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (4) Operations under this application are approved for radiolocation purposes only. Directed energy / jamming operations are not authorized and must be submitted under an EA application.
- (5) Operation must be coordinated and scheduled with RJW, AFC-WSMR and Kirtland AFB Controlled Firing Area Committee (CFAC). POC Stephen Yan at (505) 853-4313 or Stephen.yan@us.af.mil
- (6) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.