

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WK2XMF

(Call Sign)

0230-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) MOBILE: Albuquerque, NM, within 0.1 km, centered around NL 35-03-27; WL 106-31-31

Frequency Information

MOBILE: Albuquerque, NM, within 0.1 km, centered around NL 35-03-27; WL 106-31-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
375 MHz	MO	40K0F9D 180KF9D 1M00F9D	1800 W (ERP)	
394.4 MHz	MO	1M00F9D 180KF9D 40K0F9D	1800 W (ERP)	
422 MHz	MO	40K0F9D 180KF9D	1800 W (ERP)	

This authorization effective January 22, 2020 and
will expire 3:00 A.M. EST November 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Albuquerque, NM, within 0.1 km, centered around NL 35-03-27; WL 106-31-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
422 MHz	MO	1M00F9D	1800 W (ERP)	
449 MHz	MO	40K0F9D	1800 W (ERP)	
		180KF9D		
		1M00F9D		

Special Conditions:

- (1) Subject to coordination with the Area Frequency Coordinator located at White Sands Missile Range, New Mexico, prior to use in the State of New Mexico or other U. S. Territory within a 150 mile radius of WSMR plus the area of Utah and Colorado that lies South of 41 degrees North and between 108 degrees and 111 degrees West. Phone: 505-678-5417 or 3702.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) 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.
- (5) Operations MUST, repeat MUST, be scheduled with AFC-WSMR, at least 96 hours prior to operations, via e-mail to usarmy.wsmr.imcomcentral. list.dodafc@mail.mil. AFC-WSMR will schedule the Raytheon operations in the Integrated Frequency De-confliction System (IFDS). Should IFDS show a conflict, AFC-WSMR reserves the right to have Raytheon stand down their operations until the conflict is resolved - either by Raytheon operating on another frequency listed in paragraph 1 or by Raytheon waiting until the DoD operations have completed.
- (6) Schedule operations with the VLA/VLBA NRAO Spectrum manager, Dan "Mert" Mertely, Email: nrao-rfi@nrao.edu <mailto:nrao-rfi@nrao.edu>, phone: (575) 835-7128
- (7) The antenna orientation, in AZIMUTH, shall be limited from 270 degrees (West), clockwise, through 0 (North), to 45 degrees (Northwest), reference True North.