

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WK2XNI

(Call Sign)

0590-EX-CR-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(j) of the Commission's Rules

Station Locations

(1) MOBILE: Tularosa, NM, within 32 km, centered around NL 33-09-56; WL 106-20-36

Frequency Information

MOBILE: Tularosa, NM, within 32 km, centered around NL 33-09-56; WL 106-20-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4435-4487.5 MHz	MO	4M06D1D 8M22D1D 16M4D1D	20.013 W (ERP)	
4512.5-4990 MHz	MO	4M06D1D 8M22D1D 16M4D1D	20.013 W (ERP)	

Special Conditions:

(1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (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) Operations must be scheduled as a WSMR Range Mission, through the appropriate Range Sponsor. Final authorization to radiate is contingent upon successful scheduling of spectrum, and airspace, with other area operations. The final operating frequency, or frequencies, shall be determined by the WSMR Spectrum Manager, in coordination with the WSMR Range Sponsor, and is dependent on the RF environment, at the time of test.
- (5) Raytheon Missile Systems must coordinate operations with Mr. Dan Mertly, nraorfi@nrao.edu, or 575-835-7128 due to the proximity of the requested operations to the Jansky VLA Observatory and the Pie Town, NM VLBA station.
- (6) The stop buzzers point of contact is Joshua Salmon at (520) 473-6784.