

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

EXPERIMENTAL

(Nature of Service)

WP9XNX

(Call Sign)

XT MO

(Class of Station)

0243-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.

Station Locations

- (1) MOBILE: Florence, AZ. 2500 ft radius around center, within 1 km, centered around NL 33-07-09; WL 111-20-50

Frequency Information

MOBILE: Florence, AZ. 2500 ft radius around center, within 1 km, centered around NL 33-07-09; WL 111-20-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3000-4940 MHz	MO	25K0P0N	30 MW (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) Prior to operation in 3700-4200 MHz band, licensee must successfully coordinate with the existing and future Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d).
- (4) Licensee must maintain operation separation from the grandfathered earth stations as defined in Part 90, Subpart Z, or successfully coordinate an agreement with the grandfathered earth station licensees prior to operation in 3650-3700 MHz band.

This authorization effective January 22, 2020 and
will expire 3:00 A.M. EST April 17, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (5) Licensee must consult the ULS database to ensure that the operation will not cause harmful interference to any existing registered stations in the 3650-3700 MHz band, and notify the registered users in the proposed geographic area prior to operation in this band.
- (6) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.
- (7) Raytheon Missile Systems must adhere to the following conditions:
 - a. Avoid direct illumination Kitt Peak VLBA
 - b. Coordinate operations with the VLBA POC, Dan "Mert" Mertely. Dan can be reached at nrao-rfi@nrao.edu or phone: (575) 835-7128
- (8) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.