

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WP9XNX

(Call Sign)

XT MO

(Class of Station)

1950-EX-ST-2019

(File Number)

NAME Raytheon Missile Systems

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

Testing of advanced radar system

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.

This authorization effective November 16, 2019 and
will expire 3:00 A.M. EST April 17, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (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.
- (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.