

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

EXPERIMENTAL

(Nature of Service)

WM2XGC

(Call Sign)

XC FX MO

(Class of Station)

0800-EX-CN-2021

(File Number)

NAME Raytheon Company (Missiles and Defense - M)

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(c) of the Commission's Rules

Station Locations

- (1) Tucson (PIMA), AZ - NL 32-05-46; WL 110-56-47
- (2) MOBILE: Tucson, az. south and west of tower see exhibit, within 10 km, centered around NL 32-05-46; WL 110-56-47
- (3) Tucson (PIMA), AZ - NL 32-05-46; WL 110-56-47; MOBILE: , within 10 km, centered around NL 32-05-46; WL 110-56-47

Frequency Information

Tucson (PIMA), AZ - NL 32-05-46; WL 110-56-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1370-1390 MHz	FX	5M00F1D	5 W (ERP)	

MOBILE: Tucson, az. south and west of tower see exhibit, within 10 km, centered around NL 32-05-46; WL 110-56-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1370-1390 MHz	MO	5M00F1D	5 W (ERP)	

This authorization effective December 07, 2021 and
will expire 3:00 A.M. EST November 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Tucson (PIMA), AZ - NL 32-05-46; WL 110-56-47; MOBILE: , within 10 km, centered around NL 32-05-46; WL 110-56-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1370-1390 MHz	FX	5M00F1D	5 W (ERP)	

Special Conditions:

- (1) One or more frequency assignments were coordinated prior to authorization with FAA Headquarters, 800 Independence Avenue, S.W., Washington, DC 20591; Telephone: 202-267-8699.
- (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) Raytheon Company shall coordinate operations with the VLBA point of contact prior to operations: Dan "Mert" Mertely, nrao-rfi@nrao.edu, phone: (575) 835-7128
- (6) All operations in the 1370-1400 MHz band shall comply with the limits of unwanted emission recommendations specified in ITU Resolution 750 (Rev. WRC-19).
- (7) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government; contract number HR001120C0008. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (8) The stop buzzer POC is Joshua Salmon at (520) 473-6784.