

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

EXPERIMENTAL

(Nature of Service)

WG2XGW

(Call Sign)

XD FX MO

(Class of Station)

0291-EX-CR-2017

(File Number)

NAME Raytheon Missile Systems

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) Tucson (PIMA), AZ - NL 32-06-23; WL 110-56-17
- (2) Tucson (PIMA), AZ - NL 32-06-23; WL 110-56-17; MOBILE: Tucson, AZ - airborne operations base, within 120 km, centered around NL 32-06-23; WL 110-56-17

Frequency Information

Tucson (PIMA), AZ - NL 32-06-23; WL 110-56-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200-2290 MHz	FX	24M0F1D 24M0G1D 24M0Q1D 30M0F1D 30M0G1D 30M0Q1D	40 W (ERP)	
2310-2390 MHz	FX	24M0F1D 24M0G1D 24M0Q1D 30M0F1D	40 W (ERP)	

This authorization effective July 17, 2017 and
will expire 3:00 A.M. EST August 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Tucson (PIMA), AZ - NL 32-06-23; WL 110-56-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2310-2390 MHz	FX	30M0G1D 30M0Q1D	40 W (ERP)	

Tucson (PIMA), AZ - NL 32-06-23; WL 110-56-17; MOBILE: Tucson, AZ - airborne operations base, within 120 km, centered a

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200-2290 MHz	MO	24M0F1D 24M0G1D 24M0Q1D 30M0F1D 30M0G1D 30M0Q1D	40 W (ERP)	
2310-2390 MHz	MO	30M0Q1D 30M0G1D 30M0F1D 24M0Q1D 24M0G1D 24M0F1D	40 W (ERP)	

Special Conditions:

- (1) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to authorization with the Area Frequency Coordinator, Ft. Huachuca, AZ, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the AFC, Ft. Huachuca, as necessary to ensure compatibility with existing uses.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Subject to coordination with the Area Frequency Coordinator, located at the Army Electronic Proving Ground, Ft. Huachuca, Arizona, prior to use within the State of Arizona. Phone: 602-538-6423.

Special Conditions:

- (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) The designated point-of-contact to terminate transmissions if interference occurs is Mr. Thomas J. Fagan at 520-794-0227.
- (6) All airborne operations shall be coordinated at least 7 days in advance with the NASA White Sands Center (WSC) POC as designated by the NASA GSFC SM, Scott Galbraith at 301-286-5089, vincent.s.galbraith@nasa.gov and Dale Fink at 301-286-4464, dale.fink@nasa.gov Operations within 3 days may coordinate directly with the NASA WSC Operations Center at 575-527-7157.