

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

EXPERIMENTAL

(Nature of Service)

WM2XBV

(Call Sign)

XD FX MO

(Class of Station)

0736-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(j) of the Commission's Rules

Station Locations

- (1) MOBILE: Tucson, AZ. Operations when flight is toward plant, within 28 km, centered around NL 32-02-41; WL 111-00-20
- (2) Tucson (PIMA), AZ - NL 32-06-27; WL 110-56-19
- (3) Tucson (PIMA), AZ - NL 32-06-06; WL 110-56-49

Frequency Information

MOBILE: Tucson, AZ. Operations when flight is toward plant, within 28 km, centered around NL 32-02-41; WL 111-00-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
451 MHz	MO	8K20F1D 11K0F1D	10 W (ERP)	
461 MHz	MO	8K20F1D 11K0F1D	10 W (ERP)	
466 MHz	MO	8K20F1D	10 W (ERP)	

This authorization effective September 27, 2021 and
will expire 3:00 A.M. EST October 01, 2023

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466 MHz	MO	11K0F1D	10 W (ERP)	

Tucson (PIMA), AZ - NL 32-06-27; WL 110-56-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
451 MHz	FX	8K20F1D 11K0F1D	10 W (ERP)	

461 MHz	FX	8K20F1D 11K0F1D	10 W (ERP)	
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466 MHz	FX	8K20F1D 11K0F1D	10 W (ERP)	
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Tucson (PIMA), AZ - NL 32-06-06; WL 110-56-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
451 MHz	FX	8K20F1D 11K0F1D	10 W (ERP)	

461 MHz	FX	8K20F1D 11K0F1D	10 W (ERP)	
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Frequency Information

Tucson (PIMA), AZ - NL 32-06-06; WL 110-56-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
466 MHz	FX	8K20F1D 11K0F1D	10 W (ERP)	

Special Conditions:

- (1) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at <http://sbe.org/wp-content/uploads/freqcoor.pdf> to find the appropriate coordinator.
- (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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (5) Operation not to exceed 5000 ft AGL.
- (6) The designated point-of-contact to terminate transmissions if interference occurs is Jim Ortega at (520) 794-0227.