

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WL2XRV

(Call Sign)

0325-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) MOBILE: Eglin Air Force Base, FL. Hangar and on taxi way at AFB, within 5 km, centered around NL 30-29-16; WL 86-31-31
- (2) MOBILE: Gulf of Mexico, GLM Operates all W151 see exhibit

Frequency Information

MOBILE: Eglin Air Force Base, FL. Hangar and on taxi way at AFB, within 5 km, centered around NL 30-29-16; WL 86-31-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2225.5 MHz	MO	16M2F1D	18 W (ERP)	
2245.5 MHz	MO	16M2F1D	18 W (ERP)	

This authorization effective July 09, 2021 and
will expire 3:00 A.M. EST August 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Gulf of Mexico, GLM Operates all W151 see exhibit

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2225.5 MHz	MO	16M2F1D	28.5 W (ERP)	
2245.5 MHz	MO	16M2F1D	28.5 W (ERP)	

Special Conditions:

- (1) All operations subject to coordination with the Gulf Area Frequency Coordinator located at Eglin AFB, Florida, prior to use with the area bounded by 27 degrees N. 33 degrees 30' N; and 83 degrees W. 90 degrees W.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) 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.
- (4) 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 800-17-C-3012. 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.
- (5) Mobile operations in the 2200-2290 MHz band shall be limited to line-of-sight operations only.
- (6) In accordance with IRIG Standard 106-15, Chapter 2. The output power in TM bands is limited to 25 Watts EIRP, with strict provisions for a waiver. Therefore, as long as you are a few miles wet (over water), AF does not object to your higher power transmitter in the TM band for this one test. However, when a J/F 12 is submitted, long term approvability is questionable, per the aforementioned restrictions in IRIG Standard 106-15, Chapter 2.
- (7) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to authorized users.
- (8) The designated point-of-contact to terminate transmissions if interference occurs is Jim Ortega at 520-794-0227.