

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

EXPERIMENTAL

(Nature of Service)

WR9XPH

(Call Sign)

XC MO

(Class of Station)

0172-EX-ST-2021

(File Number)

NAME Raytheon Company (Missiles and Defense - M)

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 and demonstration of a telemetry booster. Operation not to exceed 40000 ft AGL.

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: flights over W-151 portion of Gulf, within 120 km, centered around NL 29-36-33; WL 86-27-44

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 February 16, 2021 and
will expire 3:00 A.M. EST May 31, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: flights over W-151 portion of Gulf, within 120 km, centered around NL 29-36-33; WL 86-27-44

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) 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.
- (3) Mobile operations in the 2200-2290 MHz band shall be limited to line-of-sight operations only.
- (4) 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 out (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.
- (5) 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.