

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

EXPERIMENTAL

(Nature of Service)

WR9XUX

(Call Sign)

XT MO

(Class of Station)

0232-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:

Telemetry testing and demonstrations

Station Locations

- (1) MOBILE: Airborne operations at White Sands Missile Range, Sierra County, NM, within 115 km, centered around NL 33-21-50; WL 106-25-34

Frequency Information

MOBILE: Airborne operations at White Sands Missile Range, Sierra County, NM, within 115 km, centered around NL 33-21-50; WL 106-25-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2210 MHz	MO	20M8F7D	0.5 W (ERP)	
2235 MHz	MO	20M8F7D	0.5 W (ERP)	
2260 MHz	MO	20M8F7D	0.5 W (ERP)	

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Airborne operations at White Sands Missile Range, Sierra County, NM, within 115 km, centered around NL 33-21-50; WL 106-25-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2290 MHz	MO	20M8F7D	0.5 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) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.
- (3) In addition to the Coordination of Operations requirements laid out in the "Explanation of Experiment and Need for STA", all Raytheon operations must be scheduled as a White Sands Missile Range (WSMR) mission, through their WSMR Range sponsor. Final authority to radiate is contingent upon successful scheduling, and de-confliction, of both spectrum, and airspace, with other regional operations.
- (4) Due to the operating area's proximity to the Very Large Array (VLA) and the proposed frequency band of operation, NSF requests that the applicant (Raytheon Company) coordinate prior to operation with the VLA point of contact: Dan "Mert" Mertely, nrao-rfi@nrao.edu, phone: (575) 835-7128.
- (5) Raytheon coordinates with the Naval Surface Warfare Center, Dahlgren Division (NSWCDD) a minimum of sixty (60) days prior to the flight test, to mitigate harmful interference to Navy/Marine Corps/DoD operations. The primary contacts for frequency coordination: Mr. James Moneyhon, (540) 653-3477- james.moneyhon@navy.mil, Mr. A. Jason Verdugo, (540) 653-9590 – Anthony.J.Verdugo@navy.mil, and/or Mr. Phillip B. Scyphers, (540) 653-6071 – Phillip.scyphers@navy.mil.
- (6) Operations are on a non-interference basis (NIB) and shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating stations. Raytheon Company should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee will be subject to immediate shut down.
- (7) Airborne operations in the 2290-2300 MHz band are not in accordance with the Table of Allocations, and Raytheon Company shall have no expectations that future requests for long-term, multiple location, or operational use of this frequency band will be approved.
- (8) The designated point-of-contact to terminate transmissions if interference occurs are Jim Ortega at (520) 794-0227, and Joshua Salmon at Joshua.salmon@raytheon.com