

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

EXPERIMENTAL

(Nature of Service)

WS9XFV

(Call Sign)

XT MO

(Class of Station)

0873-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:

Verification of radar system performance

Station Locations

- (1) MOBILE: Pima County, AZ Ruby/Fuzzy MOA, within 24 km, centered around NL 31-36-22; WL 111-22-06
- (2) MOBILE: Cochise County, AZ Tombstone MOA, within 24 km, centered around NL 31-35-06; WL 109-37-52
- (3) MOBILE: Greenlee County, AZ Morenci MOA, within 24 km, centered around NL 33-00-40; WL 109-05-34
- (4) MOBILE: Graham, AZ Jackal MOA, within 24 km, centered around NL 33-17-22; WL 110-04-05

Frequency Information

MOBILE: Pima County, AZ Ruby/Fuzzy MOA, within 24 km, centered around NL 31-36-22; WL 111-22-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
450-462 MHz	MO	8K20F1D 11K0F1D	10 W (ERP)	

This authorization effective June 23, 2021 and
will expire 3:00 A.M. EST December 16, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Pima County, AZ Ruby/Fuzzy MOA, within 24 km, centered around NL 31-36-22; WL 111-22-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
469-480 MHz	MO	11K0F1D 8K20F1D	10 W (ERP)	
32-36 GHz	MO	1G00MXN	1600 kW (ERP)	

MOBILE: Cochise County, AZ Tombstone MOA, within 24 km, centered around NL 31-35-06; WL 109-37-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
450-462 MHz	MO	8K20F1D 11K0F1D	10 W (ERP)	
469-480 MHz	MO	8K20F1D 11K0F1D	10 W (ERP)	
32-36 GHz	MO	1G00MXN	1600 kW (ERP)	

MOBILE: Greenlee County, AZ Morenci MOA, within 24 km, centered around NL 33-00-40; WL 109-05-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
450-462 MHz	MO	8K20F1D 11K0F1D	10 W (ERP)	
469-480 MHz	MO	8K20F1D	10 W (ERP)	

Frequency Information

MOBILE: Greenlee County, AZ Morenci MOA, within 24 km, centered around NL 33-00-40; WL 109-05-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
469-480 MHz	MO	11K0F1D	10 W (ERP)	
32-36 GHz	MO	1G00MXN	1600 kW (ERP)	

MOBILE: Graham, AZ Jackal MOA, within 24 km, centered around NL 33-17-22; WL 110-04-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
450-462 MHz	MO	11K0F1D 8K20F1D	10 W (ERP)	
469-480 MHz	MO	8K20F1D 11K0F1D	10 W (ERP)	
32-36 GHz	MO	1G00MXN	1600 kW (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) 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.
- (4) 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.

Special Conditions:

- (5) Raytheon Company (Missiles and Defense - M) must coordinate with DoD AFC at White Sands Missile Range, 505-687-5417, dod@wsmr.army.mil, at least 72 hours prior to operations.
- (6) Prior to commencing any operations in the frequencies below, the licensee must obtain consent from the following within 50 miles of the contours of the testing area:
 - Mobile Service licensees in 454 MHz/459 MHz
 - General Aviation Air-Ground Service in 454 MHz/459 MHz
- (7) The stop buzzer POC is Jim Ortega at (520) 794-0227.