

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WQ9XPG

(Call Sign)

0724-EX-ST-2020

(File Number)

NAME Raytheon Missiles and Defense

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:

Evaluate and optimize radio operations while in motion.

Station Locations

- (1) MOBILE: Tucson, AZ, within 50 km, centered around NL 32-06-29; WL 110-57-06
- (2) MOBILE: Florence, AZ, within 50 km, centered around NL 33-04-02; WL 111-22-40

Frequency Information

MOBILE: Tucson, AZ, within 50 km, centered around NL 32-06-29; WL 110-57-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2360-2419 MHz	MO	59M0G1D	2.5 W (ERP)	
2400-2459 MHz	MO	59M0G1D	2.5 W (ERP)	
3300-3359 MHz	MO	59M0G1D	5.01 W (ERP)	

This authorization effective June 10, 2020 and
will expire 3:00 A.M. EST December 01, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Tucson, AZ, within 50 km, centered around NL 32-06-29; WL 110-57-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3400-3459 MHz	MO	59M0G1D	5.01 W (ERP)	
3500-3559 MHz	MO	59M0G1D	5.01 W (ERP)	
4400-4459 MHz	MO	59M0G1D	5.01 W (ERP)	
4500-4559 MHz	MO	59M0G1D	5.01 W (ERP)	

MOBILE: Florence, AZ, within 50 km, centered around NL 33-04-02; WL 111-22-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2360-2419 MHz	MO	59M0G1D	2.5 W (ERP)	
2400-2459 MHz	MO	59M0G1D	2.5 W (ERP)	
3300-3359 MHz	MO	59M0G1D	5.01 W (ERP)	
3400-3459 MHz	MO	59M0G1D	5.01 W (ERP)	
3500-3559 MHz	MO	59M0G1D	5.01 W (ERP)	

Frequency Information

MOBILE: Florence, AZ, within 50 km, centered around NL 33-04-02; WL 111-22-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4459 MHz	MO	59M0G1D	5.01 W (ERP)	
4500-4559 MHz	MO	59M0G1D	5.01 W (ERP)	

Special Conditions:

- (1) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) Raytheon Missiles and Defense verifies and affirms the stop buzzer name, phone number, and email with the DHS POC, Mr. Jason Chabot, jason.chabot@hq.dhs.gov.
- (5) Raytheon Missiles and Defense may not operate in the requested 2200 – 2259 MHz band in order to protect ongoing sensitive law enforcement operations.
- (6) Raytheon Missiles and Defense must notch out 4415 MHz (+/- 9.57 MHz) and 4455 MHz (+/- 8 MHz) in order to protect ongoing federal operations.
- (7) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator in 2450-2459 MHz band. Consult the list at https://www.sbe.org/sections/freq_local.php to find the appropriate coordinator.
- (8) 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 FA8651-20-D-0070. 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.
- (9) 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.