Jim Ortega, P.O. Box M02 MS T17, 1151 E. Hermans Road, Tucson, AZ 85756,

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL	WH2XLY
(Nature of Service)	(Call Sign)
XT FX MO	0614-EX-ST-2019
(Class of Station)	(File Number)

NAME Raytheon Missile Systems

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:
Antenna check out

Station Locations

(1) Albuquerque (BERNALILLO), NM - NL 35-03-27; WL 106-31-54
(2) MOBILE: Albuquerque, NM, within 0.36 km, centered around NL 35-03-33; WL 106-31-45

Frequency Information

Albuquerque (BERNALILLO), NM - NL 35-03-27; WL 106-31-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
300-400.15 MHz	FX		2 mW (ERP)	
		200HN0N		
		33M6F1D		
		36M4G1D		
		36M4G1D		
		33M6F1D		
406-1000 MHz	FX		2 mW (ERP)	
		200HN0N		

This authorization effective April 24, 2019 and
will expire 3:00 A.M. EST October 24, 2019

FEDERAL COMMUNICATIONS COMMISSION

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406-1000 MHz	FX		2 mW (ERP)	
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		36M4G1D		
		36M4G1D		
		33M6F1D		

MOBILE: Albuquerque, NM, within 0.36 km, centered around NL 35-03-33; WL 106-31-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
300-400.15 MHz	MO		2 mW (ERP)	
		33M6F1D		
		33M6F1D		
		36M4G1D		
		36M4G1D		
		200HN0N		
406-1000 MHz	MO		2 mW (ERP)	
		200HN0N		
		33M6F1D		
		33M6F1D		
		36M4G1D		
		36M4G1D		

Special Conditions:

(1) Licensee must prior coordinate testing with other authorized Band 14 operations. Failure to effectively coordinate shall result in FirstNet seeking immediate suspension of the experimental license by the FCC.

(2) Licensee must accept interference from others operating in the band and must not cause interference to FirstNet operations or those approved to operate in Band 14 per license (i.e. AT&T testing or public safety entities authorized to operate on Band 14).

Special Conditions:

(3) Licensee POC shall submit a "Stop Buzzer" contact to FirstNet at peter.tomczak@firstnet.gov upon authorization issuance with "kill switch" authority; license POC agrees to immediately cease operations on Band 14 if notified of any interference concerns until any issues are resolved.

(4) Licensee agrees that this license may be subject to further review by the FCC and possible re-coordination with FirstNet.

(5) 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.

(6) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.

(7) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

(8) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at https://www.sbe.org/sections/freq_local.php to find the appropriate coordinator.

(9) The ERP for a CW signal with emission designator 200HN0N is limited to 2 microwatts.

(10) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.

(11) The stop buzzer contact for this project is:
Jim Ortega, Spectrum Manager
Raytheon Missile Systems
(520) 794-0227 – office
James.e.ortega@raytheon.com

(12) Prior to commencing any operations in the frequencies below, the licensee must obtain consent from the following within 20 miles of the contours of the testing area:
Paging Service licensees in 454 MHz/459 MHz
General Aviation Air-Ground Service in 454 MHz/459 MHz
700 MHz licensees (698-758 MHz and 775-788 MHz)
700 MHz Lower Band licensees (698-746 MHz)
700 MHz Lower Band “A” block licensees (698-704 MHz/728-734 MHz)
700 MHz Lower Band “B” block licensees (704-710 MHz/734-740 MHz)
700 MHz Lower Band “C” block licensees (710-716 MHz/740-746 MHz)
700 MHz Lower Band “D” block licensees (716-722 MHz)
700 MHz Lower Band “E” block licensees (722-728 MHz)
700 MHz Upper Band licensees (746-758 MHz and 775-788 MHz)
700 MHz Upper Band “C” block (746-757 MHz and 776-787 MHz) licensee (Verizon) and/or lessees
SMR licensees (809-824 MHz/854-869 MHz)
B/ILT licensees (809-824 MHz/854-869 MHz)
Cellular licensees (824-849 MHz/869-894 MHz)
Commercial Air-Ground licensee (849-851 MHz/894-896 MHz)
SMR licensees (896-901 MHz/935-940 MHz)
B/ILT licensees (896-901 MHz/935-940 MHz)
Narrowband PCS licensees (901-902/930-931/940-941 MHz)
Location & Monitoring Service licensees (902-928 MHz)
Paging Service licensees in 929 MHz and 931 MHz

Special Conditions:

(13) No automatic renewal for this authorization.

(14) Raytheon Missile Systems must notch out the following (+/- 8 kHz): 410.075 MHz, 419.600 MHz, 463.000 MHz, 463.025 MHz, 463.050 MHz, 463.075 MHz, 463.100 MHz, 463.125 MHz, 463.150 MHz, 463.175 MHz, 468.075 MHz, and 468.100 MHz.

(15) Raytheon Missile Systems must notch out the following (+/- 12.5 kHz): 408.075 MHz, 411.650 MHz, 411.900 MHz, 412.000 MHz, 412.375 MHz, 417.075 MHz.

(16) Raytheon Missile Systems must notch out the following (+/- 100 kHz): 933.025 MHz and 942.025 MHz.

(17) Continuous Wave operations using an emission designator of 200HN0N shall operate on any given frequency for a total duration of less than 2 microseconds per day.

(18) Telemetry operations using an emission designator of 33M6F1D or 36M4G1D shall exclude the 608-614 MHz frequency band.

(19) Raytheon Missile Systems must submit this request via the FAA WebFCR portal.

(20) Raytheon Missile Systems must also provide the following information to the FAA POC, Mr. Rodney Murphy, Rodney.murphy@faa.gov,
a. If this application is a chirp, provide the peak power,
b. Provide the Stop Buzzer POC.