

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

EXPERIMENTAL

(Nature of Service)

XT FX MO

(Class of Station)

WI9XRS

(Call Sign)

0668-EX-ST-2015

(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:

Testing of radios to determine how to integrate them into Raytheon products.

Station Locations

- (1) Tucson (PIMA), AZ - NL 32-08-13; WL 110-55-20
- (2) Tucson (PIMA), AZ - NL 32-08-17; WL 110-55-16
- (3) Tucson (PIMA), AZ - NL 32-08-12; WL 110-55-14
- (4) Tucson (PIMA), AZ - NL 32-05-39; WL 110-48-30
- (5) MOBILE: portables will be used at Raytheon plant, within 1.2 km, centered around NL 32-06-25; WL 110-56-18

Frequency Information

Tucson (PIMA), AZ - NL 32-08-13; WL 110-55-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5191-5320 MHz	FX	3M85G1D	1.2 W (ERP)	
		7M70G1D		
		15M4G1D		
		4M06W7D		
		8M13W7D		
		16M3W7D		

This authorization effective July 16, 2015 and
will expire 3:00 A.M. EST January 15, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Tucson (PIMA), AZ - NL 32-08-13; WL 110-55-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5191-5320 MHz	FX	32M5W7D	1.2 W (ERP)	
5500-5605 MHz	FX	3M85G1D 7M70G1D 15M4G1D 4M06W7D 8M13W7D 16M3W7D 32M5W7D	1.2 W (ERP)	
5615-5700 MHz	FX	32M5W7D 16M3W7D 8M13W7D 4M06W7D 15M4G1D 7M70G1D 3M85G1D	1.2 W (ERP)	
5745-5825 MHz	FX	15M4G1D 7M70G1D 4M06W7D 32M5W7D 3M85G1D 8M13W7D 16M3W7D	1.2 W (ERP)	

Frequency Information

Tucson (PIMA), AZ - NL 32-08-17; WL 110-55-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5191-5320 MHz	FX	3M85G1D	1.2 W (ERP)	
		7M70G1D		
		15M4G1D		
		4M06W7D		
		8M13W7D		
		16M3W7D		
		32M5W7D		
5500-5605 MHz	FX	3M85G1D	1.2 W (ERP)	
		7M70G1D		
		15M4G1D		
		4M06W7D		
		8M13W7D		
		16M3W7D		
		32M5W7D		
5615-5700 MHz	FX	3M85G1D	1.2 W (ERP)	
		7M70G1D		
		15M4G1D		
		4M06W7D		
		8M13W7D		
		16M3W7D		
		32M5W7D		
5745-5825 MHz	FX	3M85G1D	1.2 W (ERP)	
		7M70G1D		
		15M4G1D		
		4M06W7D		
		8M13W7D		
		16M3W7D		

Frequency Information

Tucson (PIMA), AZ - NL 32-08-17; WL 110-55-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5745-5825 MHz	FX	32M5W7D	1.2 W (ERP)	

Tucson (PIMA), AZ - NL 32-08-12; WL 110-55-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5191-5320 MHz	FX	3M85G1D 7M70G1D 15M4G1D 4M06W7D 8M13W7D 16M3W7D 32M5W7D	1.2 W (ERP)	
5500-5605 MHz	FX	3M85G1D 7M70G1D 15M4G1D 4M06W7D 8M13W7D 16M3W7D 32M5W7D	1.2 W (ERP)	
5615-5700 MHz	FX	32M5W7D 16M3W7D 8M13W7D 4M06W7D 15M4G1D 7M70G1D 3M85G1D	1.2 W (ERP)	

Frequency Information

Tucson (PIMA), AZ - NL 32-08-12; WL 110-55-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5745-5825 MHz	FX	3M85G1D 7M70G1D 15M4G1D 4M06W7D 8M13W7D 16M3W7D 32M5W7D	1.2 W (ERP)	

Tucson (PIMA), AZ - NL 32-05-39; WL 110-48-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5191-5320 MHz	FX	3M85G1D 7M70G1D 15M4G1D 4M06W7D 8M13W7D 16M3W7D 32M5W7D	1.2 W (ERP)	
5500-5605 MHz	FX	3M85G1D 7M70G1D 15M4G1D 4M06W7D 8M13W7D 16M3W7D 32M5W7D	1.2 W (ERP)	
5615-5700 MHz	FX	3M85G1D 7M70G1D	1.2 W (ERP)	

Frequency Information

Tucson (PIMA), AZ - NL 32-05-39; WL 110-48-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5615-5700 MHz	FX	15M4G1D 4M06W7D 8M13W7D 16M3W7D 32M5W7D	1.2 W (ERP)	
5745-5825 MHz	FX	3M85G1D 7M70G1D 15M4G1D 4M06W7D 8M13W7D 16M3W7D 32M5W7D	1.2 W (ERP)	

MOBILE: portables will be used at Raytheon plant, within 1.2 km, centered around NL 32-06-25; WL 110-56-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5191-5320 MHz	MO	3M85G1D 7M70G1D 15M4G1D 4M06W7D 8M13W7D 16M3W7D 32M5W7D	1.2 W (ERP)	
5500-5605 MHz	MO	3M85G1D 7M70G1D 15M4G1D 4M06W7D	1.2 W (ERP)	

Frequency Information

MOBILE: portables will be used at Raytheon plant, within 1.2 km, centered around NL 32-06-25; WL 110-56-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5500-5605 MHz	MO	8M13W7D	1.2 W (ERP)	
		16M3W7D		
		32M0W7D		
5615-5700 MHz	MO	3M85G1D	1.2 W (ERP)	
		7M70G1D		
		15M4G1D		
		4M06W7D		
		8M13W7D		
		16M3W7D		
		32M0W7D		
5745-5825 MHz	MO	3M85G1D	1.2 W (ERP)	
		7M70G1D		
		15M4G1D		
		4M06W7D		
		8M13W7D		
		16M3W7D		
		32M5W7D		

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 not permitted in the following bands: 5180-5191 MHz and 5605-5615 MHz.
- (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.