

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WG9XJA

(Call Sign)

0117-EX-ST-2013

(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:

Test commercial off the shelf marine radar for an enhanced application to improve surface object detection.

Station Locations

- (1) Tucson (PIMA), AZ - NL 32-05-41; WL 110-48-30
- (2) Point Loma (SAN DIEGO), CA - NL 32-40-01; WL 117-14-23

Frequency Information

Tucson (PIMA), AZ - NL 32-05-41; WL 110-48-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
154.585 MHz	FX	200HN0N	3 W (ERP)	
159.48 MHz	FX	200HN0N	3 W (ERP)	
160.725 MHz	FX	200HN0N	3 W (ERP)	

This authorization effective March 11, 2013 and
will expire 3:00 A.M. EST September 01, 2013

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Tucson (PIMA), AZ - NL 32-05-41; WL 110-48-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
160.785 MHz	FX	200HN0N	3 W (ERP)	
454 MHz	FX	200HN0N	3 W (ERP)	
459 MHz	FX	200HN0N	3 W (ERP)	
2450-2500 MHz	FX	200HN0N	3 W (ERP)	
2900-3100 MHz	FX	200HN0N	3 W (ERP)	
5470-5600 MHz	FX	200HN0N	3 W (ERP)	
9300-9500 MHz	FX	200HN0N	3 W (ERP)	

Point Loma (SAN DIEGO), CA - NL 32-40-01; WL 117-14-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
154.585 MHz	FX	200HN0N	3 W (ERP)	
159.48 MHz	FX	200HN0N	3 W (ERP)	

Frequency Information

Point Loma (SAN DIEGO), CA - NL 32-40-01; WL 117-14-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
160.725 MHz	FX	200HN0N	3 W (ERP)	
160.785 MHz	FX	200HN0N	3 W (ERP)	
454 MHz	FX	200HN0N	3 W (ERP)	
459 MHz	FX	200HN0N	3 W (ERP)	
2450-2500 MHz	FX	200HN0N	3 W (ERP)	
2900-3100 MHz	FX	200HN0N	3 W (ERP)	
5470-5600 MHz	FX	200HN0N	3 W (ERP)	
9300-9500 MHz	FX	200HN0N	3 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.

Special Conditions:

- (4) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9102 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir @ sbe.org; information, www.sbe.org.
- (5) The Coast Guard requests the following 24 hour advance notice provided to Rodell Sunga 510-637-5454 desk, 202-695-4172 cell, indicating how long each test period will last. Mr. Sunga's normal workday is 5:30am-2pm and also request Friday warning for Monday testing.
- (6) No operation is permitted in 5600-5650 MHz band.
- (7) 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.
- (8) Stop buzzer point of contact is Mr. Thomas Fagan at (520) 794-0227 (office) and (520) 465-7087 (cell)