

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WH9XSP

(Call Sign)

0680-EX-ST-2014

(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 missile seeker technology in a real-world setting.

Station Locations

(1) Point Loma (SAN DIEGO), CA - NL 32-40-03; WL 117-14-26

Frequency Information

Point Loma (SAN DIEGO), CA - NL 32-40-03; WL 117-14-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15700-17800 MHz	FX	NON	14.3 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.

This authorization effective September 08, 2014 and
will expire 3:00 A.M. EST March 02, 2015

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COMMISSION**



Special Conditions:

- (3) 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.
- (4) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (5) Proposed operation in the 17.3-17.7 GHz band must be prior coordinated with the satellite commercial licensees listed:
http://licensing.fcc.gov/cgi-bin/ws.exe/prod/ib/forms/reports/swr014b.hts?as_subsystem
- (6) 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.
- (7) Emissions shall not be pointed in the direction of San Diego International Airport to avoid interference with FAA operations.
- (8) Raytheon must be made aware that while this test could be supported due to the location and directionality of the radiation, wide spread use of this system will be difficult or impossible to support due to the need to protect a critical FAA safety systems that operates in a portion of this frequency range.
- (9) Raytheon Missile Systems must coordinate with (WAFC), Mr. J. Szelog at (760) 939-6948 prior to any California operations to mitigate harmful interference to Navy and Marine Corps assignments. Raytheon Missile Systems must also comply with any and all restrictions that may be levied by WAFC.