

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

EXPERIMENTAL

(Nature of Service)

WH9XSL

(Call Sign)

XT MO

(Class of Station)

0548-EX-ST-2014

(File Number)

NAME Raytheon Technical Services Company

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:

To develop, test, and demonstrate a rapid prototype advanced voice and data communications system.

Station Locations

- (1) MOBILE: operation on Raytheon test range, within 2 km, centered around NL 39-47-29;
WL 86-03-34

Frequency Information

MOBILE: operation on Raytheon test range, within 2 km, centered around NL 39-47-29; WL 86-03-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2312-2320 MHz	MO	8M00G1D 8M00D1D	2 W (ERP)	
2345-2507 MHz	MO	22M0G1D 33M1D1D	2 W (ERP)	

This authorization effective September 03, 2014 and
will expire 3:00 A.M. EST January 31, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (1) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to its authorization with AFMO CONUS, Ft. Sam Houston, TX, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with AFMO CONUS, Ft. Sam Houston, TX, as necessary to ensure compatibility with existing uses.
- (2) Operation is subject to prior coordination with affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) 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.
- (5) 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.
- (6) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (7) Operation is subject to prior coordination with Globalstar MSS receivers operate in the 2483.5-2500 MHz band.