

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

EXPERIMENTAL

(Nature of Service)

WH9XOB

(Call Sign)

XT MO

(Class of Station)

0159-EX-ST-2014

(File Number)

NAME The BOEING 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:

Lab testing the equipment.

Station Locations

- (1) MOBILE: Flight level 10,000 ft AGL, Edwards AFB, CA, within 300 km, centered around NL 34-58-20; WL 117-52-03
- (2) MOBILE: Flight level 10,000 ft AGL, Palmdale, CA, within 300 km, centered around NL 34-38-11; WL 118-05-51
- (3) MOBILE: Ground test, Tukwila, WA, within 50 km, centered around NL 47-31-58; WL 122-18-39

Frequency Information

MOBILE: Flight level 10,000 ft AGL, Edwards AFB, CA, within 300 km, centered around NL 34-58-20; WL 117-52-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.4-14.5 GHz	MO	100MG1D	47 W (ERP)	
		21M0G1D		
		42M8G1D		
		64M0G1D		
		38M6G1D		

This authorization effective June 01, 2014 and
will expire 3:00 A.M. EST December 02, 2014

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Flight level 10,000 ft AGL, Edwards AFB, CA, within 300 km, centered around NL 34-58-20; WL 117-52-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.4-14.5 GHz	MO	89M5G1D	47 W (ERP)	
16.2-17.3 GHz	MO	1M10W3N	34.2892 kW (ERP)	

MOBILE: Flight level 10,000 ft AGL, Palmdale, CA, within 300 km, centered around NL 34-38-11; WL 118-05-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.4-14.5 GHz	MO	100MG1D 21M0G1D 42M8G1D 64M0G1D 38M6G1D 89M5G1D	47 W (ERP)	
16.2-17.3 GHz	MO	1M10W3N	34.2892 kW (ERP)	

MOBILE: Ground test, Tukwila, WA, within 50 km, centered around NL 47-31-58; WL 122-18-39

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.4-14.5 GHz	MO	100MG1D 21M0G1D 42M8G1D 64M0G1D 38M6G1D	47 W (ERP)	

Frequency Information

MOBILE: Ground test, Tukwila, WA, within 50 km, centered around NL 47-31-58; WL 122-18-39

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.4-14.5 GHz	MO	89M5G1D	47 W (ERP)	
16.2-17.3 GHz	MO	1M10W3N	34.2892 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.
- (3) The designated point-of-contact to terminate transmissions if interference occurs is Jeff Sawatzky 206-850-2720; Marty Pitts 206-766-3964; Michael S Foster 206-459-8605.
- (4) Operation is ONLY PERMITTED using the following frequency bands for the test and demonstrations:
 - a. 14.4 - 14.5 GHz
 - b. 16.2 - 17.3 GHz
- (5) The Boeing Company must coordinate with the Western Area Frequency Coordinator (WAFC), Mr. J. Szelog at (760) 939-6948 or Mr. Jamie Heaton at (760) 939-6948 prior to the test and demonstrations to mitigate harmful interference to Air Force, Navy and Marine Corps assignments. The Boeing Company must also comply with any and all restrictions that may be levied by WAFC.
- (6) The Boeing Company must coordinate with the NAVY P.O.C., Mr. Russell Potter at 360-396-7075 (Russell.potter@navy.mil) prior to the anticipated testing/demonstration start time for Tukwila, WA to mitigate harmful interference to Navy assignments.