

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

EXPERIMENTAL

(Nature of Service)

WL9XGW

(Call Sign)

XT FX MO

(Class of Station)

1646-EX-ST-2017

(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:

To support UVS system integration test.

Station Locations

- (1) Boardman Bombing Ran, OR - NL 45-44-54; WL 119-47-38
- (2) Bingen, WA - NL 45-42-24; WL 121-27-30
- (3) MOBILE: Max Flight Level is 10k ft, Boardman Bombing Ran, OR, within 200 km, centered around NL 45-44-54; WL 119-47-38

Frequency Information

Boardman Bombing Ran, OR - NL 45-44-54; WL 119-47-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
30-50 MHz	FX	6K00A3E	5 W (ERP)	
		11K0F3E		
		16K0F3E		
		25K0A3E		
		25K0F3E		

This authorization effective December 19, 2017 and
will expire 3:00 A.M. EST June 07, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Boardman Bombing Ran, OR - NL 45-44-54; WL 119-47-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
60-64 MHz	FX	6K00A3E 11K0F3E 16K0F3E 25K0A3E 25K0F3E	5 W (ERP)	
76-80 MHz	FX	6K00A3E 11K0F3E 16K0F3E 25K0A3E 25K0F3E	5 W (ERP)	
138-148 MHz	FX	6K00A3E 11K0F3E 16K0F3E 25K0A3E 25K0F3E	5 W (ERP)	
174-200 MHz	FX	6K00A3E 11K0F3E 16K0F3E 25K0A3E 25K0F3E	5 W (ERP)	
217-220 MHz	FX	6K00A3E 11K0F3E 16K0F3E 25K0A3E	5 W (ERP)	

Frequency Information

Boardman Bombing Ran, OR - NL 45-44-54; WL 119-47-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
217-220 MHz	FX	25K0F3E	5 W (ERP)	
401-415 MHz	FX	6K00A3E 11K0F3E 16K0F3E 25K0A3E 25K0F3E	5 W (ERP)	
465-470 MHz	FX	6K00A3E 11K0F3E 16K0F3E 25K0A3E 25K0F3E	5 W (ERP)	
480-495 MHz	FX	6K00A3E 11K0F3E 16K0F3E 25K0A3E 25K0F3E	5 W (ERP)	

Bingen, WA - NL 45-42-24; WL 121-27-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
30-50 MHz	FX	6K00A3E 11K0F3E 16K0F3E 25K0A3E	5 W (ERP)	

Frequency Information

Bingen, WA - NL 45-42-24; WL 121-27-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
30-50 MHz	FX	25K0F3E	5 W (ERP)	
60-64 MHz	FX	6K00A3E 11K0F3E 16K0F3E 25K0A3E 25K0F3E	5 W (ERP)	
76-80 MHz	FX	6K00A3E 11K0F3E 16K0F3E 25K0A3E 25K0F3E	5 W (ERP)	
138-148 MHz	FX	6K00A3E 11K0F3E 16K0F3E 25K0A3E 25K0F3E	5 W (ERP)	
174-200 MHz	FX	6K00A3E 11K0F3E 16K0F3E 25K0A3E 25K0F3E	5 W (ERP)	
217-220 MHz	FX	6K00A3E 11K0F3E 16K0F3E	5 W (ERP)	

Frequency Information

Bingen, WA - NL 45-42-24; WL 121-27-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
217-220 MHz	FX	25K0A3E 25K0F3E	5 W (ERP)	
401-415 MHz	FX	6K00A3E 11K0F3E 16K0F3E 25K0A3E 25K0F3E	5 W (ERP)	
465-470 MHz	FX	6K00A3E 11K0F3E 16K0F3E 25K0A3E 25K0F3E	5 W (ERP)	
480-495 MHz	FX	6K00A3E 11K0F3E 16K0F3E 25K0A3E 25K0F3E	5 W (ERP)	

MOBILE: Max Flight Level is 10k ft, Boardman Bombing Ran, OR, within 200 km, centered around NL 45-44-54; WL 119-47-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
30-50 MHz	MO	6K00A3E 11K0F3E 16K0F3E 25K0A3E	2 W (ERP)	

Frequency Information

MOBILE: Max Flight Level is 10k ft, Boardman Bombing Ran, OR, within 200 km, centered around NL 45-44-54; WL 119-47-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
30-50 MHz	MO	25K0F3E	2 W (ERP)	
60-64 MHz	MO	6K00A3E 11K0F3E 16K0F3E 25K0A3E 25K0F3E	2 W (ERP)	
76-80 MHz	MO	6K00A3E 11K0F3E 16K0F3E 25K0A3E 25K0F3E	2 W (ERP)	
138-148 MHz	MO	6K00A3E 11K0F3E 16K0F3E 25K0A3E 25K0F3E	2 W (ERP)	
174-200 MHz	MO	6K00A3E 11K0F3E 16K0F3E 25K0A3E 25K0F3E	2 W (ERP)	
217-220 MHz	MO	6K00A3E 11K0F3E 16K0F3E	2 W (ERP)	

Frequency Information

MOBILE: Max Flight Level is 10k ft, Boardman Bombing Ran, OR, within 200 km, centered around NL 45-44-54; WL 119-47-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
217-220 MHz	MO	25K0A3E 25K0F3E	2 W (ERP)	
401-415 MHz	MO	6K00A3E 11K0F3E 16K0F3E 25K0A3E 25K0F3E	2 W (ERP)	
465-470 MHz	MO	6K00A3E 11K0F3E 16K0F3E 25K0A3E 25K0F3E	2 W (ERP)	
480-495 MHz	MO	6K00A3E 11K0F3E 16K0F3E 25K0A3E 25K0F3E	2 W (ERP)	

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

Special Conditions:

- (3) The Boeing Company must notch out the following frequencies +/- 12.5k:
- 140.6375 MHz
 - 406.1250 MHz
 - 410.0750 MHz
 - 410.1000 MHz
 - 410.5750 MHz
 - 410.9500 MHz
 - 411.6750 MHz
 - 411.9750 MHz
 - 412.9125 MHz
 - 412.9750 MHz
 - 413.0000 MHz
 - 413.0250 MHz
 - 413.1125 MHz
 - 414.6625 MHz
 - 414.8750 MHz
 - 415.0750 MHz
 - 415.1250 MHz
- (4) The grant of this application on "notification" of the following within 50 miles of the test area:
- Paging Service licensees in 35 MHz
 - Paging Service licensees in 43 MHz
 - 218-219 MHz Service licensees
- (5) The Boeing Company must notch out the following band at all locations; 406 - 406.1 MHz per ITU RR Appendix 15 so as not to interfere with safety and distress frequencies.
- (6) The Boeing Company must notch out the following frequencies at the Boardman Bombing Range, OR location; 140.6375 MHz, 143.700 MHz
- (7) The Boeing Company must notch out the following frequencies at all locations (+/- 5.5 KHz); 410.375 MHz, 411.7875 MHz, 412.950 MHz, 412.975 MHz, 413.000 MHz, 413.025 MHz.
- (8) The Boeing Company must notch out the following frequencies at all locations (+/- 6.25 KHz); 406.900 MHz, 410.100 MHz, 410.575 MHz, 412.625 MHz.
- (9) The Boeing Company must notch out the following frequencies at all locations (+/- 12.5 KHz); 410.075 MHz, 413.1125 MHz, 413.5875 MHz, 413.6125 MHz, 414.6625 MHz, 414.7875 MHz
- (10) The Boeing Company must notch out the following frequencies for the MOBILE: Max Flight Level is 10k ft, Boardman Bombing Ran, OR location; 406.125 MHz, 407.125 MHz, 407.9125 MHz, 408.775 MHz, 411.675 MHz, 411.775 MHz, 411.975 MHz, 412.000 MHz, 412.100 MHz, 412.200 MHz, 412.275 MHz, 412.350 MHz, 412.775 MHz, 412.9125 MHz, 414.875 MHz, 415.025 MHz
- (11) The Boeing Company should limit further development in the 138 - 144 MHz and the 406 - 420 MHz bands to no more than 12.5 KHz bandwidth since the channeling of these bands no longer supports 25 KHz bandwidths.
- (12) The Boeing Company must coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in the proposed frequency bands