

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

EXPERIMENTAL

(Nature of Service)

WL9XGW

(Call Sign)

XT FX MO

(Class of Station)

0656-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 June 05, 2017 and
will expire 3:00 A.M. EST December 06, 2017

**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 (+/-)
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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) 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) Boeing Company coordinate with the local Society of Broadcast Engineer frequency coordinator prior to operation in 60-64 MHz, 76-80 MHz, 174-200 MHz and 480-495 MHz bands.

Special Conditions:

(4) Boeing must not utilize the band 406-406.1 MHz. This band is user for EPIRB's, ELT's and PLT's which are protected from any possible interference by ITU Radio Regulation, Appendix 15.

(5) The following frequencies must be notched:

410.075 MHz +/- 25 KHz
410.100 MHz +/- 12.5KHz
410.575 MHz +/- 12.5KHz
412.625 MHz +/- 12.5KHz

(6) The grant is on must "notification" of the following within 50 miles of the test area:

- 218-219 MHz Service
- Paging Service licensees in 35 MHz, and 43 MHz

(7) Boeing must not utilize the following frequencies +/- 12.5 KHz to protect FAA operations:

M413.5875
M414.6625
M414.7875

(8) Boeing must not utilize the following frequencies +/- 6.25 KHz to protect Coast Guard operations:

142.8250 MHz; 143.4750 MHz; 412.9750 MHz; 413.0000 MHz; 413.0250 MHz

(9) Boeing must not utilize the following frequencies +/- 6.25 KHz in order to protect Department of Interior operations:

406.125 MHz	407.125 MHz	408.375 MHz	409.675 MHz
411.625 MHz	411.650 MHz	411.675 MHz	411.700 MHz
411.775 MHz	411.825 MHz	411.900 MHz	411.975 MHz
412.000 MHz	412.075 MHz	412.100 MHz	412.200 MHz
412.275 MHz	412.350 MHz	412.775 MHz	

Special Conditions:

- (10) Boeing must not utilize the following frequencies to protect National Weather Service operations:

NWR Link +/- 6.25 KHz

410.100 MHz

410.575 MHz

406.900 MHz

412.625 MHz

ASOS Weather +/-12.5 KHz

410.075 MHz

- (11) 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