

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

EXPERIMENTAL

(Nature of Service)

WL9XGW

(Call Sign)

XT FX MO

(Class of Station)

1974-EX-ST-2018

(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 20, 2018 and
will expire 3:00 A.M. EST May 09, 2019

**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.
- (3) The Boeing Company shall coordinate with the local SBE frequency coordinator prior to operation in 60-64 MHz, 76-80 MHz, 174-200 MHz, and 480-495 MHz bands.
- (4) Operations are on a Non-Interference Basis (NIB) only.

Special Conditions:

- (5) The Boeing Company must notch out the following at both locations (Boardman Bombing Range, OR and Bingen, WA):

41.6100 MHz (+/- 12.5 kHz)
139.6000 MHz (+/- 50 kHz)
139.9250 MHz (+/- 50 kHz)
406.1750 MHz (+/- 6.25 kHz)
406.2250 MHz (+/- 12.5 kHz)
406.2750 MHz (+/- 12.5 kHz)
406.3250 MHz (+/- 12.5 kHz)
406.3875 MHz (+/- 12.5 kHz)
406.4250 MHz (+/- 12.5 kHz)
406.5250 MHz (+/- 12.5 kHz)
406.5500 MHz (+/- 12.5 kHz)
406.5750 MHz (+/- 12.5 kHz)
406.9000 MHz (+/- 6.25 kHz)
407.1750 MHz (+/- 12.5 kHz)
407.8625 MHz (+/- 12.5 kHz)
407.9500 MHz (+/- 12.5 kHz)
408.4250 MHz (+/- 12.5 kHz)
408.9875 MHz (+/- 12.5 kHz)
409.0250 MHz (+/- 12.5 kHz)
409.1875 MHz (+/- 12.5 kHz)
409.3875 MHz (+/- 12.5 kHz)
409.4500 MHz (+/- 12.5 kHz)
409.7125 MHz (+/- 12.5 kHz)
410.0750 MHz (+/- 12.5 kHz)
410.1000 MHz (+/- 6.25 kHz)
410.1750 MHz (+/- 12.5 kHz)
410.3125 MHz (+/- 12.5 kHz)
410.5500 MHz (+/- 12.5 kHz)
410.5750 MHz (+/- 6.25 kHz)
410.7000 MHz (+/- 12.5 kHz)
410.7875 MHz (+/- 12.5 kHz)
410.8250 MHz (+/- 12.5 kHz)
410.9000 MHz (+/- 12.5 kHz)
411.4125 MHz (+/- 12.5 kHz)
411.4500 MHz (+/- 12.5 kHz)
412.4000 MHz (+/- 12.5 kHz)
412.6250 MHz (+/- 6.25 kHz)
412.8000 MHz (+/- 12.5 kHz)
412.8250 MHz (+/- 12.5 kHz)
412.8375 MHz (+/- 12.5 kHz)
412.8500 MHz (+/- 12.5 kHz)
412.8625 MHz (+/- 12.5 kHz)
412.9750 MHz (+/- 5.5 kHz)
413.0000 MHz (+/- 5.5 kHz)
413.0250 MHz (+/- 5.5 kHz)
413.1125 MHz (+/- 12.5 kHz)
413.5875 MHz (+/- 12.5 kHz)
413.6125 MHz (+/- 12.5 kHz)
414.6625 MHz (+/- 12.5 kHz)
414.7875 MHz (+/- 12.5 kHz)

Specific: 414.9750 MHz (+/- 12.5 kHz)
419.1000 MHz (+/- 6.25 kHz)

- (6) The Boeing Company must notch out the following frequencies at Boardman Bombing Range, OR :

406.1250 MHz (+/- 12.5 kHz)
407.1250 MHz (+/- 12.5 kHz)
407.9125 MHz (+/- 12.5 kHz)
408.7750 MHz (+/- 12.5 kHz)
409.6750 MHz (+/- 12.5 kHz)
409.6750 MHz (+/- 12.5 kHz)
411.6250 MHz (+/- 12.5 kHz)
411.6500 MHz (+/- 12.5 kHz)
411.6750 MHz (+/- 12.5 kHz)
411.7000 MHz (+/- 12.5 kHz)
411.7750 MHz (+/- 12.5 kHz)
411.8250 MHz (+/- 12.5 kHz)
411.9000 MHz (+/- 12.5 kHz)
411.9750 MHz (+/- 12.5 kHz)
412.0000 MHz (+/- 12.5 kHz)
412.0750 MHz (+/- 12.5 kHz)
412.1000 MHz (+/- 12.5 kHz)
412.2000 MHz (+/- 12.5 kHz)
412.2750 MHz (+/- 12.5 kHz)
412.3500 MHz (+/- 12.5 kHz)
412.7750 MHz (+/- 12.5 kHz)
412.9125 MHz (+/- 12.5 kHz)
414.8750 MHz (+/- 12.5 kHz)
414.9750 MHz (+/- 12.5 kHz)
415.0250 MHz (+/- 12.5 kHz)

Special Conditions:

- (7) The Boeing Company must notch out the following frequencies at Boardman Bombing Range, OR :
- 407.1250 MHz (+/- 12.5 kHz)
 - 407.9125 MHz (+/- 12.5 kHz)
 - 408.3750 MHz (+/- 12.5 kHz)
 - 409.6750 MHz (+/- 12.5 kHz)
 - 411.6250 MHz (+/- 12.5 kHz)
 - 411.6500 MHz (+/- 12.5 kHz)
 - 411.7000 MHz (+/- 12.5 kHz)
 - 411.7750 MHz (+/- 12.5 kHz)
 - 411.8250 MHz (+/- 12.5 kHz)
 - 411.9000 MHz (+/- 12.5 kHz)
 - 411.9750 MHz (+/- 12.5 kHz)
 - 412.0000 MHz (+/- 12.5 kHz)
 - 412.0750 MHz (+/- 12.5 kHz)
 - 412.1000 MHz (+/- 12.5 kHz)
 - 412.2000 MHz (+/- 12.5 kHz)
 - 412.2750 MHz (+/- 12.5 kHz)
 - 412.3500 MHz (+/- 12.5 kHz)
 - 412.7750 MHz (+/- 12.5 kHz)
 - 412.8750 MHz (+/- 12.5 kHz)
 - 412.9000 MHz (+/- 12.5 kHz)
 - 412.9125 MHz (+/- 12.5 kHz)
 - 414.8250 MHz (+/- 12.5 kHz)
 - 414.8750 MHz (+/- 12.5 kHz)
 - 414.9750 MHz (+/- 12.5 kHz)
 - 415.0250 MHz (+/- 12.5 kHz)