

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE

EXPERIMENTAL

(Nature of Service)

WL9XGW

(Call Sign)

XT FX MO

(Class of Station)

0045-EX-TC-2019

(File Number)

NAME _____ Insitu _____

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

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 11K0F3E 25K0A3E 25K0F3E	5 W (ERP)	
60-64 MHz	FX	6K00A3E 11K0F3E 16K0F3E 25K0A3E	5 W (ERP)	

This authorization effective July 25, 2019 and
will expire 3:00 A.M. EST November 10, 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	25K0F3E	5 W (ERP)	
76-80 MHz	FX	6K00A3E 11K0F3E 16K0F3E 25K0A3E 25K0F3E	5 W (ERP)	
138-148 MHz	FX	6K00A3E 11K0F3E 12K5A3E 12K5F3E	5 W (ERP)	
174-200 MHz	FX	6K00A3E 11K0F3E 16K0F3E 25K0A3E 25K0F3E	5 W (ERP)	
217-220 MHz	FX	6K00A3E 11K0F3E 16K0F3E 25K0A3E 25K0F3E	5 W (ERP)	
401-406 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 (+/-)
401-406 MHz	FX	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 25K0F3E	5 W (ERP)	
60-64 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 (+/-)
60-64 MHz	FX	25K0F3E	5 W (ERP)	
76-80 MHz	FX	6K00A3E 11K0F3E 16K0F3E 25K0A3E 25K0F3E	5 W (ERP)	
138-148 MHz	FX	6K00A3E 11K0F3E 12K5A3E 12K5F3E	5 W (ERP)	
174-200 MHz	FX	6K00A3E 11K0F3E 16K0F3E 25K0A3E 25K0F3E	5 W (ERP)	
217-220 MHz	FX	6K00A3E 11K0F3E 16K0F3E 25K0A3E 25K0F3E	5 W (ERP)	
401-406 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 (+/-)
401-406 MHz	FX	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 25K0F3E	2 W (ERP)	
60-64 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 (+/-)
60-64 MHz	MO	25K0F3E	2 W (ERP)	
76-80 MHz	MO	6K00A3E 11K0F3E 16K0F3E 25K0A3E 25K0F3E	2 W (ERP)	
138-148 MHz	MO	6K00A3E 11K0F3E 12K5A3E 12K5F3E	2 W (ERP)	
174-200 MHz	MO	6K00A3E 11K0F3E 16K0F3E 25K0A3E 25K0F3E	2 W (ERP)	
217-220 MHz	MO	6K00A3E 11K0F3E 16K0F3E 25K0A3E 25K0F3E	2 W (ERP)	
401-406 MHz	MO	6K00A3E 11K0F3E 16K0F3E 25K0A3E	2 W (ERP)	

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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) Boeing must not utilize the following frequencies +/- 6.25 KHz to protect Coast Guard operations: 142.8250 MHz and 143.4750 MHz.
- (4) The Boeing Company should limit further development in the 138-144 MHz bands to no more than 12.5 KHz bandwidth since the channeling of these bands no longer supports 25 KHz bandwidths.
- (5) Operations are on a Non-Interference Basis (NIB).
- (6) The Boeing Company must notch out the following frequencies:
41.6100 MHz (+/- 12.5 kHz)
139.6000 MHz (+/- 50 kHz)
139.9250 MHz (+/- 50 kHz)
140.6375 MHz and 143.700 MHz (+/- 12.5 KHz).
142.825 MHz, 143.875 MHz (+/- 5.5 KHz).
- (7) Licensee must coordinate with the local Society of Broadcast Engineers frequency coordinator in each proposed venue prior to operation in 60-64 MHz, 76-80 MHz, 174-200 MHz, and 480-495 MHz bands.

Special Conditions:

- (8) Some of the frequencies of concern in the filing are:
- Paging Service licensees in 35 MHz
 - Paging Service licensees in 43 MHz
 - AMTS Licensee (217-218 MHz/219-220 MHz)
 - 218-219 MHz Service licensees
- (9) The Boeing Company must notch out the following frequency band:
406 MHz - 415 MHz