

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

W12XQM

(Call Sign)

0283-EX-CN-2016

(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.

Operation: In accordance with Sec. 5.3(j) of the Commission's Rules

Station Locations

- (1) Bingen, WA - NL 45-42-24; WL 121-27-30
- (2) Boardman, OR - NL 45-44-54; WL 119-47-38; MOBILE: Boardman, OR, within 1 km, centered around NL 45-44-54; WL 119-47-38

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
138 MHz	FX	N0N 5K00F3N	1 W (ERP)	
143.75 MHz	FX	N0N 5K00F3N	1 W (ERP)	
148.5 MHz	FX	N0N 5K00F3N	1 W (ERP)	

This authorization effective January 25, 2017 and
will expire 3:00 A.M. EST February 01, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
151.88 MHz	FX	N0N 5K00F3N	1 W (ERP)	
155.5 MHz	FX	N0N 5K00F3N	1 W (ERP)	
159 MHz	FX	N0N 5K00F3N	1 W (ERP)	
174 MHz	FX	N0N 5K00F3N	1 W (ERP)	
401.5 MHz	FX	N0N 5K00F3N	1 W (ERP)	
420.5 MHz	FX	N0N 5K00F3N	1 W (ERP)	
430.5 MHz	FX	N0N 5K00F3N	1 W (ERP)	
440.5 MHz	FX	N0N 5K00F3N	1 W (ERP)	

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
450.5 MHz	FX	N0N 5K00F3N	1 W (ERP)	
460.5 MHz	FX	N0N 5K00F3N	1 W (ERP)	
470.5 MHz	FX	N0N 5K00F3N	1 W (ERP)	
479.5 MHz	FX	N0N 5K00F3N	1 W (ERP)	

Boardman, OR - NL 45-44-54; WL 119-47-38; MOBILE: Boardman, OR, within 1 km, centered around NL 45-44-54; WL 119-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
138 MHz	FX	N0N 5K00F3N	1 W (ERP)	
143.75 MHz	FX	N0N 5K00F3N	1 W (ERP)	
148.5 MHz	FX	N0N 5K00F3N	1 W (ERP)	

Frequency Information

Boardman, OR - NL 45-44-54; WL 119-47-38; MOBILE: Boardman, OR, within 1 km, centered around NL 45-44-54; WL 119-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
151.88 MHz	FX	N0N 5K00F3N	1 W (ERP)	
155.5 MHz	FX	N0N 5K00F3N	1 W (ERP)	
159 MHz	FX	N0N 5K00F3N	1 W (ERP)	
174 MHz	FX	N0N 5K00F3N	1 W (ERP)	
401.5 MHz	FX	N0N 5K00F3N	1 W (ERP)	
420.5 MHz	FX	N0N 5K00F3N	1 W (ERP)	
430.5 MHz	FX	N0N 5K00F3N	1 W (ERP)	
440.5 MHz	FX	N0N 5K00F3N	1 W (ERP)	

Frequency Information

Boardman, OR - NL 45-44-54; WL 119-47-38; MOBILE: Boardman, OR, within 1 km, centered around NL 45-44-54; WL 119-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
450.5 MHz	FX	N0N 5K00F3N	1 W (ERP)	
460.5 MHz	FX	N0N 5K00F3N	1 W (ERP)	
470.5 MHz	FX	N0N 5K00F3N	1 W (ERP)	
479.5 MHz	FX	N0N 5K00F3N	1 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) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at http://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.
- (4) Stop buzzer for this operation is Insitu the Operations Action Center at (866) 637-4691.
- (5) Prior coordinate with the local SBE frequency coordinator prior to operation on 159 MHz, 174 MHz, 450.5 MHz, 470.5 MHz and 479.5 MHz.
- (6) Due to possibility of harmful interference to the federal operations the following frequencies are not permitted: 168.5 MHz and 410.5 MHz.