

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

EXPERIMENTAL

(Nature of Service)

WH2XFZ

(Call Sign)

XD FX MO

(Class of Station)

0193-EX-CM-2021

(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 (KLICKITAT), WA - NL 45-42-24; WL 121-27-30
- (2) Boardman (MORROW), OR - NL 45-44-54; WL 119-47-38
- (3) MOBILE: Boardman, OR. 4000 Foot Flight Level, within 20 km, centered around NL 45-44-54; WL 119-47-38
- (4) Pendleton, OR - NL 45-41-52; WL 118-50-12
- (5) MOBILE: Pendleton, OR. Maximum Flight Level is 15,000 Feet, within 50 km, centered around NL 45-41-52; WL 118-50-12

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1525-1535 MHz	FX	31K2G7W	0.008 W (ERP)	
1525.03125-1535 MHz	FX	31K2G7W	12.2 W (ERP)	
2412-2462 MHz	FX	20M0G7D	1.25 W (ERP)	

This authorization effective October 06, 2021 and
will expire 3:00 A.M. EST July 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5250-5825 MHz	FX	20M0G7D	1.25 W (ERP)	

Boardman (MORROW), OR - NL 45-44-54; WL 119-47-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1525.03125-1535 MHz	FX	31K2G7W	12.2 W (ERP)	

MOBILE: Boardman, OR. 4000 Foot Flight Level, within 20 km, centered around NL 45-44-54; WL 119-47-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1525-1535 MHz	MO	31K2G7W	0.008 W (ERP)	
2412-2462 MHz	FX	20M0G7D	1.25 W (ERP)	
5250-5825 MHz	FX	20M0G7D	1.25 W (ERP)	

Pendleton, OR - NL 45-41-52; WL 118-50-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1525.03125-1535 MHz	FX	31K2G7W	12.2 W (ERP)	

Frequency Information

MOBILE: Pendleton, OR. Maximum Flight Level is 15,000 Feet, within 50 km, centered around NL 45-41-52; WL 118-50-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1525-1535 MHz	MO	31K2G7W	0.008 W (ERP)	
2412-2462 MHz	MO	20M0G7D	1.25 W (ERP)	
5250-5825 MHz	MO	20M0G7D	1.25 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 station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) Stop buzzer for this operation is Insitu the Operations Action Center at 509-637-4691.
- (5) Instiu must prior-coordinate with the local SBE frequency coordinator and the affected Fixed Microwave Service licensees in each proposed location prior to operation in 2412-2462 MHz.