

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WI2XYL

(Call Sign)

0213-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) Boardman, OR - NL 45-44-54; WL 119-47-38
- (2) Jackass Spring, OR - NL 45-31-19; WL 120-46-58
- (3) Wasco Butte, OR - NL 45-36-26; WL 121-19-53; MOBILE: Wasco Butte, OR, within 40 km, centered around NL 45-36-26; WL 121-19-53
- (4) Bingen, WA - NL 45-42-23; WL 121-27-29
- (5) MOBILE: Boardman, OR. Flight Level: 5,000 ft AGL, within 50 km, centered around NL 45-44-54; WL 119-47-38
- (6) Pendleton, OR - NL 45-41-21; WL 118-50-32; MOBILE: Pendleton, OR, Up to 15,000 Feet Altitude, within 50 km of base, within 50 km, centered around NL 45-41-21; WL 118-50-32

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4800 MHz	FX	230KF1D	104 kW (ERP)	

This authorization effective October 28, 2021 and
will expire 3:00 A.M. EST July 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Jackass Spring, OR - NL 45-31-19; WL 120-46-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4800 MHz	FX	230KF1D	104 kW (ERP)	

Wasco Butte, OR - NL 45-36-26; WL 121-19-53; MOBILE: Wasco Butte, OR, within 40 km, centered around NL 45-36-26; WL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4800 MHz	FX	230KF1D	104 kW (ERP)	

Bingen, WA - NL 45-42-23; WL 121-27-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4800 MHz	FX	230KF1D	104 kW (ERP)	

MOBILE: Boardman, OR. Flight Level: 5,000 ft AGL, within 50 km, centered around NL 45-44-54; WL 119-47-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4800 MHz	MO	230KF1D	10 W (ERP)	

Frequency Information

Pendleton, OR - NL 45-41-21; WL 118-50-32; MOBILE: Pendleton, OR, Up to 15,000 Feet Altitude, within 50 km of base, with

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4800 MHz	MO	230KF1D	104 W (ERP)	
4400-4800 MHz	FX	230KF1D	104 kW (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) 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.
- (4) Stop buzzer is Operation Action Center at (509) 637-4691.
- (5) Since 4430-4900 MHz is shared with other fixed and mobile users, the proponent and any third-party Federal agency sponsor must coordinate with other Federal agencies and non-Federal experimental licensees to deconflict proper discrete frequency channels for usage at this location. FAA concurrence with this frequency band is for experimental purposes only and is not an endorsement of further development of this band for aeronautical usage. The operation of Unmanned Aircraft Systems must comply with all applicable parts of 14 CFR, including but not limited to Parts 21, 45, 47, 61, and 91.