

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

EXPERIMENTAL

(Nature of Service)

XD      FX MO

(Class of Station)

WJ2XUV

(Call Sign)

0840-EX-CN-2018

(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 (KCLICKITAT), WA - NL 45-42-23; WL 121-27-23
- (2) Boardman (MORROW), OR - NL 45-44-54; WL 119-47-38
- (3) MOBILE: Boardman, OR. Mobile up to 20K Feet Flight Level, within 50 km, centered around NL 45-44-54; WL 119-47-38

Frequency Information

Bingen (KCLICKITAT), WA - NL 45-42-23; WL 121-27-23

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 2306-2314 MHz | FX            | 230KF1D             | 3.2 W (ERP)      |                           |
| 2306-2314 MHz | FX            | 230KF1D             | 6.6 kW (ERP)     |                           |

This authorization effective December 04, 2018 and  
will expire 3:00 A.M. EST December 01, 2020

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

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

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 2306-2314 MHz | FX            | 230KF1D             | 6.6 kW (ERP)     |                           |

MOBILE: Boardman, OR. Mobile up to 20K Feet Flight Level, within 50 km, centered around NL 45-44-54; WL 119-47-38

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 2306-2314 MHz | MO            | 230KF1D             | 3.2 W (ERP)      |                           |

## Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Stop buzzer for this operation is Insitu the Operations Action Center at 509-637-4691.
- (5) NTIA will concur with 2306-2314 MHz for proof-of-concept purposes only. Any operations outside of restricted/warning area will be limited to 400 feet AGL.
- (6) Insitu should have no expectations of automatic approval in this band in future submissions.
- (7) Prior to commencing any operations, the applicant must obtain consent from AT&T, the WCS licensee (2305-2320 MHz/2345-2360 MHz)
- (8) Aeronautical mobile operations in 2305-2310 MHz is not permitted (per Table of Frequency Allocations in rule Section 2.106 which specifically precludes the use of 2305-2310 MHz for aeronautical mobile)