

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

EXPERIMENTAL

(Nature of Service)

XD      FX MO

(Class of Station)

WI2XHD

(Call Sign)

0186-EX-PL-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) Boardman, OR - NL 45-44-54; WL 119-47-38
- (2) Arlington, OR - NL 45-43-12; WL 120-10-30
- (3) Jackass Spring, OR - NL 45-31-19; WL 120-46-58
- (4) The Dalles Airport, WA - NL 45-37-16; WL 121-10-10
- (5) Wasco Butte, OR - NL 45-36-26; WL 121-19-53
- (6) Hood River, OR - NL 45-40-18; WL 121-32-24
- (7) Bingen, WA - NL 45-42-23; WL 121-27-29
- (8) MOBILE: Flight Level: 5,000 ft AGL, within 50 km, centered around NL 45-44-54; WL 119-47-38
- (9) MOBILE: Flight Level: 3,000 ft AGL, within 16 km, centered around NL 45-40-18; WL 121-32-24
- (10) MOBILE: Flight Level: 3,000 ft AGL, within 16 km, centered around NL 45-37-16; WL 121-10-10

Frequency Information

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

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 5030-5040 MHz | FX            | 230KF1D             | 1259 W (ERP)     |                           |

This authorization effective May 02, 2016 and  
will expire 3:00 A.M. EST May 01, 2018

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Arlington, OR - NL 45-43-12; WL 120-10-30

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 5030-5040 MHz | FX            | 230KF1D             | 1259 W (ERP)     |                           |

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

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 5030-5040 MHz | FX            | 230KF1D             | 1259 W (ERP)     |                           |

The Dalles Airport, WA - NL 45-37-16; WL 121-10-10

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 5030-5040 MHz | FX            | 230KF1D             | 1259 W (ERP)     |                           |

Wasco Butte, OR - NL 45-36-26; WL 121-19-53

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 5030-5040 MHz | FX            | 230KF1D             | 1259 W (ERP)     |                           |

## Frequency Information

Hood River, OR - NL 45-40-18; WL 121-32-24

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 5030-5040 MHz | FX            | 230KF1D             | 1259 W (ERP)     |                           |

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

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 5030-5040 MHz | FX            | 230KF1D             | 1259 W (ERP)     |                           |

MOBILE: 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 (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 5030-5040 MHz | MO            | 230KF1D             | 1 W (ERP)        |                           |

MOBILE: Flight Level: 3,000 ft AGL, within 16 km, centered around NL 45-40-18; WL 121-32-24

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 5030-5040 MHz | MO            | 230KF1D             | 1 W (ERP)        |                           |

## Frequency Information

MOBILE: Flight Level: 3,000 ft AGL, within 16 km, centered around NL 45-37-16; WL 121-10-10

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 5030-5040 MHz | MO            | 230KF1D             | 1 W (ERP)        |                           |

## Special Conditions:

- (1) Operation subject to prior coordinations with FAA Northwest Regional Office, 1601 Linda Avenue, SW, Renton, WA 98055-4056. Phone: 206-227-2464.
- (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 (866) 637-4691.