

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

EXPERIMENTAL

(Nature of Service)

WH2XWZ

(Call Sign)

XD      FX MO

(Class of Station)

0421-EX-PL-2015

(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) Dalles, OR - NL 45-27-07; WL 120-56-25
- (2) MOBILE: Box N45, W121; N46, W116; N45, W120; N46, W116

Frequency Information

Dalles, OR - NL 45-27-07; WL 120-56-25

| Frequency | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|-------------------------------|------------------|---------------------------|
| 1785 MHz  | FX            | 2M40G1D<br>4M79G1D<br>9M58G1D | 772 W (ERP)      |                           |
| 1800 MHz  | FX            | 2M40G1D<br>4M79G1D<br>9M58G1D | 772 W (ERP)      |                           |
| 1805 MHz  | FX            | 2M40G1D<br>4M79G1D            | 772 W (ERP)      |                           |

This authorization effective September 15, 2015 and  
will expire 3:00 A.M. EST August 30, 2017

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



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Dalles, OR - NL 45-27-07; WL 120-56-25

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|-----------|---------------|-------------------------------|------------------|---------------------------|
| 1805 MHz  | FX            | 9M58G1D                       | 772 W (ERP)      |                           |
| 2210 MHz  | FX            | 2M40G1D<br>4M79G1D<br>9M58G1D | 772 W (ERP)      |                           |
| 2230 MHz  | FX            | 2M40G1D<br>4M79G1D<br>9M58G1D | 772 W (ERP)      |                           |
| 2310 MHz  | FX            | 2M40G1D<br>4M79G1D<br>9M58G1D | 772 W (ERP)      |                           |
| 2350 MHz  | FX            | 2M40G1D<br>4M79G1D<br>9M58G1D | 772 W (ERP)      |                           |

MOBILE: Box N45, W121; N46, W116; N45, W120; N46, W116

| Frequency | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|-------------------------------|------------------|---------------------------|
| 1785 MHz  | MO            | 2M40G1D<br>4M79G1D<br>9M58G1D | 772 W (ERP)      |                           |

## Frequency Information

MOBILE: Box N45, W121; N46, W116; N45, W120; N46, W116

| Frequency | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|-------------------------------|------------------|---------------------------|
| 1800 MHz  | MO            | 2M40G1D<br>4M79G1D<br>9M58G1D | 772 W (ERP)      |                           |
| 1805 MHz  | MO            | 2M40G1D<br>4M79G1D<br>9M58G1D | 772 W (ERP)      |                           |
| 2210 MHz  | MO            | 2M40G1D<br>4M79G1D<br>9M58G1D | 772 W (ERP)      |                           |
| 2230 MHz  | MO            | 2M40G1D<br>4M79G1D<br>9M58G1D | 772 W (ERP)      |                           |
| 2310 MHz  | MO            | 2M40G1D<br>4M79G1D<br>9M58G1D | 772 W (ERP)      |                           |
| 2350 MHz  | MO            | 2M40G1D<br>4M79G1D<br>9M58G1D | 772 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.

**Special Conditions:**

- (2) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to its authorization with AFMO CONUS, Ft. Sam Houston, TX, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with AFMO CONUS, Ft. Sam Houston, TX, as necessary to ensure compatibility with existing uses.
- (3) Due to extensive use by the Justice Department for Law-Enforcement activity on the requested frequencies, Insitu must coordinate with one of the following on a month-to-month basis, starting January 19, 2015 to ensure the remaining channels are clear to use:
  - a. Carolyn Thomas, Email: carolyn.j.thomas@usdoj.gov, 571-468-9187
  - b. Quan Vu, Email: quan.vu@usdoj.gov, 571-468-9858
  - c. Julio Laguardia, Email: Julio.A.Laguardia@usdoj.gov, 571-468-9111
  - d. Lorrie Stoltz, Email: Lorrie.Stoltz@ic.fbi.gov, 703-985-6705
- (4) Stop buzzer POC is Operations Center (866) 637-4691.
- (5) Operation is authorized within the requested boundary on the application.
- (6) Operation on Wireless Communications Service (WCS) frequencies requires consent of WCS licensees to avoid interference.