

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WI2XCU

(Call Sign)

0492-EX-CR-2017

(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) MOBILE: Airborne 6,000 Ft Max Flight Level, within 5 km, centered around NL 45-40-19; WL 121-32-20
- (2) MOBILE: [Bounded by area indicated on the statement attached to the application.]

Frequency Information

MOBILE: Airborne 6,000 Ft Max Flight Level, within 5 km, centered around NL 45-40-19; WL 121-32-20

| 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  | FX            | 2M40G1D<br>4M79G1D            | 772 W (ERP)      |                           |

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

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



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|-----------|---------------|-------------------------------|------------------|---------------------------|
| 2210 MHz  | FX            | 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)      |                           |

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## 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) 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
- (5) STOP BUZZER POC is Operations Center (509) 637-4691.
- (6) Operation is subject to consent of WCS Block B licensees (2310-2315 MHz) within 200 miles of the test area.
- (7) Use of the 2310 MHz under this authority of this assignment is subject to further coordination with AFMO CONUS, FT. Sam Houston TX.
- (8) Operation limited to antenna above ground level of no higher than 6,000 ft.