

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

EXPERIMENTAL

(Nature of Service)

WJ2XIZ

(Call Sign)

XD      FX MO

(Class of Station)

0222-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) MOBILE: Ackerman, MS 5,000 Foot Flight Level, within 100 km, centered around NL 33-12-06; WL 89-13-38
- (2) Ackerman, MS - NL 33-12-06; WL 89-13-37
- (3) MOBILE: Watford, ND 5,000 Foot Flight Level, within 100 km, centered around NL 47-48-08; WL 103-16-59
- (4) Watford, ND - NL 47-48-08; WL 103-16-58

Frequency Information

MOBILE: Ackerman, MS 5,000 Foot Flight Level, within 100 km, centered around NL 33-12-06; WL 89-13-38

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

This authorization effective June 01, 2018 and  
will expire 3:00 A.M. EST November 03, 2018

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Ackerman, MS - NL 33-12-06; WL 89-13-37

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 123.175 MHz   | FX            | 6K80A3E             | 9 W (ERP)        |                           |
| 5030-5040 MHz | FX            | 230KF1D             | 1259 W (ERP)     |                           |

MOBILE: Watford, ND 5,000 Foot Flight Level, within 100 km, centered around NL 47-48-08; WL 103-16-59

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

Watford, ND - NL 47-48-08; WL 103-16-58

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 123.175 MHz | FX            | 6K80A3E             | 9 W (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 Joel Thorsheim at (206) 544-6066.

**Special Conditions:**

- (5) The following frequency bands require further coordination with the FAA Headquarters, 800 Independence Avenue, S.W., Washington, DC 20591; Telephone: 202-267-8699:
  - 3.3-3.4 GHz
  - 5.03-5.04 GHz
  - 9.41 GHz
- (6) Renewal of this Authorization is subject to prior coordination with AFTRCC Frequency Advisory Committee, [www.afrcc.org](http://www.afrcc.org)