

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

EXPERIMENTAL

(Nature of Service)

XT      FX

(Class of Station)

WI2XXG

(Call Sign)

0281-EX-CR-2019

(File Number)

NAME 3DB Communication Inc.

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(h) of the Commission's Rules

Station Locations

- (1) Orangeburg (ROCKLAND), NY - NL 41-01-52; WL 73-58-36
- (2) Saint Charles (KANE), IL - NL 41-56-22; WL 88-27-45
- (3) Maple Park (KANE), IL - NL 41-50-39; WL 88-32-04

Frequency Information

Orangeburg (ROCKLAND), NY - NL 41-01-52; WL 73-58-36

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 6765-7000 kHz | FX            | 95K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 7450-8100 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 8100-8195 kHz | FX            | 95K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 9040-9400 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |

This authorization effective June 01, 2019 and  
will expire 3:00 A.M. EST June 01, 2021

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Orangeburg (ROCKLAND), NY - NL 41-01-52; WL 73-58-36

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 10150-11175 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 11400-11600 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 12100-12230 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 13410-13570 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 13870-14000 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 14350-14990 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 15800-16360 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 17410-17480 kHz | FX            | 70K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 18168-18780 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 19020-19680 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |

## Frequency Information

Orangeburg (ROCKLAND), NY - NL 41-01-52; WL 73-58-36

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 19800-19990 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 20010-21000 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 21870-22000 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 22855-23000 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 23000-23200 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 23350-24890 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |

Saint Charles (KANE), IL - NL 41-56-22; WL 88-27-45

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 6765-7000 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 7450-8100 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 8100-8195 kHz | FX            | 95K0G1D             | 8 kW (ERP)       | 0.00005 %                 |

## Frequency Information

Saint Charles (KANE), IL - NL 41-56-22; WL 88-27-45

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 9040-9400 kHz   | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 10150-11175 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 11400-11600 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 12100-12230 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 13410-13570 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 13870-14000 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 14350-14990 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 15800-16360 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 17410-17480 kHz | FX            | 70K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 18168-18780 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |

## Frequency Information

Saint Charles (KANE), IL - NL 41-56-22; WL 88-27-45

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 19020-19680 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 19800-19990 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 20010-21000 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 21870-22000 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 22855-23000 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 23000-23200 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 23350-24890 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |

Maple Park (KANE), IL - NL 41-50-39; WL 88-32-04

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 6765-7000 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 7450-8100 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |

## Frequency Information

Maple Park (KANE), IL - NL 41-50-39; WL 88-32-04

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 8100-8195 kHz   | FX            | 95K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 9040-9400 kHz   | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 10150-11175 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 11400-11600 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 12100-12230 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 13410-13570 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 13870-14000 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 14350-14990 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 15800-16360 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 17410-17480 kHz | FX            | 70K0G1D             | 8 kW (ERP)       | 0.00005 %                 |

## Frequency Information

Maple Park (KANE), IL - NL 41-50-39; WL 88-32-04

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 18168-18780 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 19020-19680 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 19800-19990 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 20010-21000 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 21870-22000 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 22855-23000 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 23000-23200 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |
| 23350-24890 kHz | FX            | 96K0G1D             | 8 kW (ERP)       | 0.00005 %                 |

## Special Conditions:

- (1) All transmitting and/or receiving equipment used in the study shall be owned by the licensee.
- (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) Licensee is required to ensure that trial devices are either rendered inoperable or retrieved by them from trial participants at the conclusion of the trial. Licensee is required to notify trial participants in advance that operation of the trial device is subject to this condition.

**Special Conditions:**

- (4) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) The designated point of contact to terminate the systems if interference occurs is Sam Lucente 630-557-2221 in Illinois and Peter F Skae 914-262-7195 in New York.
- (6) Experimental use is secondary to, and must not interfere with Flight Test operations.
- (7) Licensee must coordinate with other users as necessary to minimize interference.
  
- (8) Operation is subject to prior coordination with AFTRCC Frequency Advisory Committee, [www.aftrcc.org](http://www.aftrcc.org)
- (9) Non-approved equipment must be labeled.
- (10) Non-approved equipment must be retrieved.
- (11) Operation is NOT PERMITTED using the frequency band 17480-17550 kHz.