

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

EXPERIMENTAL

(Nature of Service)

XT      FX

(Class of Station)

W12XOW

(Call Sign)

0083-EX-CN-2016

(File Number)

NAME Clarity Connect, 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(j) of the Commission's Rules

Station Locations

- (1) Lansing (TOMPKINS), NY - NL 42-37-22; WL 76-28-43
- (2) Scipio (CAYUGA), NY - NL 42-47-05; WL 76-31-16
- (3) Niles (CAYUGA), NY - NL 42-47-08; WL 76-22-22
- (4) Spafford (ONONDAGA), NY - NL 42-50-20; WL 76-18-44
- (5) Spafford (ONONDAGA), NY - NL 42-19-20; WL 76-17-13
- (6) Newfield (TOMPKINS), NY - NL 42-21-45; WL 76-36-23
- (7) Newfield (TOMPKINS), NY - NL 42-21-45; WL 76-36-23

Frequency Information

Lansing (TOMPKINS), NY - NL 42-37-22; WL 76-28-43

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 3550-3650 MHz | FX            | 5M00W7D             | 38 W (ERP)       |                           |
|               |               | 10M0W7D             |                  |                           |
|               |               | 15M0W7D             |                  |                           |
|               |               | 20M0W7D             |                  |                           |

This authorization effective December 14, 2016 and  
will expire 3:00 A.M. EST December 01, 2017

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Scipio (CAYUGA), NY - NL 42-47-05; WL 76-31-16

| Frequency     | Station Class | Emission Designator                      | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|------------------------------------------|------------------|---------------------------|
| 3550-3650 MHz | FX            | 5M00W7D<br>10M0W7D<br>15M0W7D<br>20M0W7D | 38 W (ERP)       |                           |

Niles (CAYUGA), NY - NL 42-47-08; WL 76-22-22

| Frequency     | Station Class | Emission Designator                      | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|------------------------------------------|------------------|---------------------------|
| 3550-3650 MHz | FX            | 5M00W7D<br>10M0W7D<br>15M0W7D<br>20M0W7D | 38 W (ERP)       |                           |

Spafford (ONONDAGA), NY - NL 42-50-20; WL 76-18-44

| Frequency     | Station Class | Emission Designator                   | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------------------------|------------------|---------------------------|
| 3550-3650 MHz | FX            | 20M0<br>5M00W7D<br>10M0W7D<br>15M0W7D | 38 W (ERP)       |                           |

Spafford (ONONDAGA), NY - NL 42-19-20; WL 76-17-13

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 3550-3650 MHz | FX            | 5M00W7D             | 38 W (ERP)       |                           |

## Frequency Information

Spafford (ONONDAGA), NY - NL 42-19-20; WL 76-17-13

| Frequency     | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|-------------------------------|------------------|---------------------------|
| 3550-3650 MHz | FX            | 10M0W7D<br>15M0W7D<br>20M0W7D | 38 W (ERP)       |                           |

Newfield (TOMPKINS), NY - NL 42-21-45; WL 76-36-23

| Frequency     | Station Class | Emission Designator                      | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|------------------------------------------|------------------|---------------------------|
| 3550-3650 MHz | FX            | 5M00W7D<br>10M0W7D<br>15M0W7D<br>20M0W7D | 38 W (ERP)       |                           |

Newfield (TOMPKINS), NY - NL 42-21-45; WL 76-36-23

| Frequency     | Station Class | Emission Designator                      | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|------------------------------------------|------------------|---------------------------|
| 3550-3650 MHz | FX            | 5M00W7D<br>10M0W7D<br>15M0W7D<br>20M0W7D | 38 W (ERP)       |                           |

## Special Conditions:

- (1) Licensee must notch out 3650-3700 MHz due to concerns of interference to FSS earth stations.

**Special Conditions:**

- (2) Prior to operating, Clarity Connect, Inc., must notify licensees of earth stations operating in adjacent band above 3650 - 4200 MHz within 15 kilometers of the locations from which experimental operations will occur. Clarity Connect, Inc. must also provide such notification to the National Spectrum Managers Association frequency coordinators by email. (see [http://wireless.fcc.gov/services/index.htm?job=licensing\\_1&id=microwave](http://wireless.fcc.gov/services/index.htm?job=licensing_1&id=microwave) ). The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should include the testing parameters (specific location(s), antenna gain(s), antenna height(s), antenna orientation, eirp density) and day and times of each test. Consult the IBFS database to identify licensed earth station above 3650 - 4200 MHz band.