

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

EXPERIMENTAL

(Nature of Service)

XT      FX

(Class of Station)

WJ2XII

(Call Sign)

0200-EX-CN-2018

(File Number)

NAME FCL Tech, 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) Menlo Park (SAN MATEO), CA - NL 37-29-04; WL 122-09-00
- (2) Menlo Park (SAN MATEO), CA - NL 37-29-09; WL 122-08-48
- (3) Menlo Park (SAN MATEO), CA - NL 37-29-06; WL 122-08-51
- (4) Menlo Park (SAN MATEO), CA - NL 37-29-07; WL 122-09-04
- (5) Menlo Park (SAN MATEO), CA - NL 37-29-10; WL 122-09-00
- (6) Menlo Park (SAN MATEO), CA - NL 37-29-12; WL 122-06-58
- (7) Menlo Park (SAN MATEO), CA - NL 37-29-07; WL 122-08-54
- (8) Menlo Park (SAN MATEO), CA - NL 37-29-07; WL 122-08-52
- (9) Menlo Park (SAN MATEO), CA - NL 37-29-08; WL 122-08-49
- (10) Menlo Park (SAN MATEO), CA - NL 37-29-07; WL 122-08-49
- (11) Menlo Park (SAN MATEO), CA - NL 37-29-05; WL 122-08-50

Frequency Information

Menlo Park (SAN MATEO), CA - NL 37-29-04; WL 122-09-00

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 3600-3800 MHz | FX            | 9M05W7D<br>17M9W7D  | 24.275 W (ERP)   | 0.04 %                    |

This authorization effective April 24, 2018 and  
will expire 3:00 A.M. EST May 01, 2019

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Menlo Park (SAN MATEO), CA - NL 37-29-09; WL 122-08-48

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 3600-3800 MHz | FX            | 9M05W7D<br>17M9W7D  | 24.275 W (ERP)   | 0.04 %                    |

Menlo Park (SAN MATEO), CA - NL 37-29-06; WL 122-08-51

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 3600-3800 MHz | FX            | 9M05W7D<br>17M9W7D  | 24.275 W (ERP)   | 0.04 %                    |

Menlo Park (SAN MATEO), CA - NL 37-29-07; WL 122-09-04

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 3600-3800 MHz | FX            | 8M98D7W<br>18M0G7D  | 17.82 W (ERP)    | 0.04 %                    |

Menlo Park (SAN MATEO), CA - NL 37-29-10; WL 122-09-00

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 3600-3800 MHz | FX            | 8M98D7W<br>18M0G7D  | 17.82 W (ERP)    | 0.04 %                    |

## Frequency Information

Menlo Park (SAN MATEO), CA - NL 37-29-12; WL 122-06-58

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 3600-3800 MHz | FX            | 8M98D7W<br>18M0G7D  | 17.82 W (ERP)    | 0.04 %                    |

Menlo Park (SAN MATEO), CA - NL 37-29-07; WL 122-08-54

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 3600-3800 MHz | FX            | 8M98D7W<br>18M0G7D  | 17.82 W (ERP)    | 0.04 %                    |

Menlo Park (SAN MATEO), CA - NL 37-29-07; WL 122-08-52

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 3600-3800 MHz | FX            | 8M98D7W<br>18M0G7D  | 17.82 mW (ERP)   | 0.04 %                    |

Menlo Park (SAN MATEO), CA - NL 37-29-08; WL 122-08-49

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 3600-3800 MHz | FX            | 8M98D7W<br>18M0G7D  | 17.82 W (ERP)    | 0.04 %                    |

## Frequency Information

Menlo Park (SAN MATEO), CA - NL 37-29-07; WL 122-08-49

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 3600-3800 MHz | FX            | 8M98D7W<br>18M0G7D  | 17.82 W (ERP)    | 0.04 %                    |

Menlo Park (SAN MATEO), CA - NL 37-29-05; WL 122-08-50

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 3600-3800 MHz | FX            | 8M98D7W<br>18M0G7D  | 17.82 W (ERP)    | 0.04 %                    |

## Special Conditions:

- (1) Marketing of devices (as defined in 47CFR2.803 of this chapter) or provision of services for hire is not permitted.
- (2) All transmitting and/or receiving equipment used in the study shall be owned by the licensee.
- (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.
- (4) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) 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.
- (6) Any action taken or expense incurred as a result of operations pursuant to this license is solely at FCL Tech, Inc.
- (7) Prior to the start of operations in the 3600 -3800 MHz band, FCL Tech, Inc., must notify by email all the earth stations within 25 km of small cell transmitters. This notice must include the name and contact information of the stop buzzer personnel in case of interference. The notification should also include the testing parameters and the day and times of each test. Consult MyIBFS database to identify all existing registered earth stations in band (3700-4200 MHz).
- (8) Ensure that the transmitting base station antenna(s) tip down when possible and avoid point towards the horizon in order to protect satellite earth stations nearby.
- (9) All of the experimental devices will be under the control of FCL Tech, Inc.

**Special Conditions:**

- (10) All customers participating in the experiment shall be informed that this operation is for experimental purposes only and can be cancelled at any time.
- (11) Licensee be aware that FSS earth stations are licensed above 3700 MHz and if any interference occurs, the experimental licensee of this authorization will be subject to immediate shut down.
- (12) Operations are on a non-interference basis (NIB) and shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference and notify the FCC in writing.
- (13) Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (14) No automatic renewal for operations in the 3700-3800 MHz band of this authorization.
- (15) Maintain operation separation from the grandfathered earth stations as defined in Part 90, Subpart Z, or coordinate an agreement with the grandfathered earth station licensees prior to operation in 3600-3800 MHz band
- (16) Consult the ULS database to ensure that the operation will not cause harmful interference to any existing registered stations in the 3650-3700 MHz band, and notify the registered users in the proposed geographic areas.
- (17) Operation is subject to coordinate with the Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d) prior to commencing the experimental operations.