

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WR9XVD

(Call Sign)

0482-EX-ST-2021

(File Number)

NAME FCL Tech, Inc.

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

The purpose of operation is to demonstrate the self-organizing network("SON") features in a 5G over-the-air setup operating in a small cell configuration.

Station Locations

- (1) Menlo Park (SAN MATEO), CA - NL 37-29-04; WL 122-09-00
- (2) Menlo Park (SAN MATEO), CA - NL 37-29-03; WL 122-09-01
- (3) Menlo Park (SAN MATEO), CA - NL 37-29-00; WL 122-09-01

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2496-2690 MHz	FX	5M00G9W 10M0G9W 20M0G9W 100MG9W	18 W (ERP)	0.4 %
3300-3600 MHz	FX	5M00G9W 10M0G9W	18 W (ERP)	0.4 %

This authorization effective May 12, 2021 and
will expire 3:00 A.M. EST October 26, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3300-3600 MHz	FX	20M0G9W 100MG9W	18 W (ERP)	0.4 %
3700-3800 MHz	FX	5M00G9W 10M0G9W 20M0G9W 100MG9W	18 W (ERP)	0.4 %
4800-4900 MHz	FX	5M00G9W 10M0G9W 20M0G9W	18 W (ERP)	0.4 %

Menlo Park (SAN MATEO), CA - NL 37-29-03; WL 122-09-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2496-2690 MHz	FX	5M00G9W 10M0G9W 20M0G9W 100MG9W	18 W (ERP)	0.4 %
3300-3600 MHz	FX	5M00G9W 10M0G9W 20M0G9W 100MG9W	18 W (ERP)	0.4 %
3700-3800 MHz	FX	5M00G9W	18 W (ERP)	0.4 %

Frequency Information

Menlo Park (SAN MATEO), CA - NL 37-29-03; WL 122-09-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	10M0G9W 20M0G9W 100MG9W	18 W (ERP)	0.4 %
4800-4900 MHz	FX	5M00G9W 10M0G9W 20M0G9W	18 W (ERP)	0.4 %

Menlo Park (SAN MATEO), CA - NL 37-29-00; WL 122-09-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2496-2690 MHz	FX	5M00G9W 10M0G9W 20M0G9W 100MG9W	18 W (ERP)	0.4 %
3300-3600 MHz	FX	5M00G9W 10M0G9W 20M0G9W 100MG9W	18 W (ERP)	0.4 %
3700-3800 MHz	FX	5M00G9W 10M0G9W 20M0G9W 100MG9W	18 W (ERP)	0.4 %

Frequency Information

Menlo Park (SAN MATEO), CA - NL 37-29-00; WL 122-09-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4800-4900 MHz	FX	5M00G9W 10M0G9W 20M0G9W	18 W (ERP)	0.4 %

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) The stop buzzer: Michel Ouellette at 650-644-7337.
- (4) With respect to operations in 3700-4200 MHz band, the applicant must avoid causing interference to existing FSS earth stations in the band. For applicant's reference, a list of registered incumbent FSS earth stations in the band can be found at the following link: <https://docs.fcc.gov/public/attachments/DA-20-823A2.xls>

Special Conditions:

- (5) Prior to commencing any operations in the 3700-4200 frequency band, experimental licensee must notify licensees of C-band earth stations. 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, EIRP density) and day and times of each test. Please notify the following licensees:

Call Sign: E060418

Licensee: General Dynamics

ATTN: Mr. Mike W McDaniel

Phone: 650-966-2954 Fax: 650-966-3401 E-Mail: MikeW.Mcdaniel@gd-ais.com

Site contact: Lee Campbell 650-966-2330

Call Sign: E970119, E990241, E970137, E970121, E970161, E970167

Licensee: Associated Press

ATTN: OLETA J. BROWN

Phone: 816-654-1000 Fax: 816-654-1035 E-Mail: ojbrown@ap.org

Call Sign: E130010

Licensee: Pac-12 Enterprises, LLC

ATTN: Mr. Hal R Reynolds

Phone: 415-580-4540 Fax: 415-580-4501 E-Mail: hreynolds@pac-12.org

Call Sign: E6241

Licensee: Sprint Communications Co., LP

ATTN: Robin J Cohen

Phone: 703-433-4000 Fax: 703-433-4035

Site contact: Timothy A. Dismond 913-315-3857

- (6) The applicant must obtain consents from the Educational Broadband Service and Broadband Radio Service licensees in each proposed area prior to accessing to the frequency range from 2496 MHz to 2690 MHz
- (7) The applicant must coordinate with Fixed Microwave Service licensees in accordance with 47 C.F.R, Part 101.103(d) prior to operation in frequency range from 3700 MHz to 3800 MHz.
- (8) The applicant must coordinate its operations in the 3550-3600 MHz band with one or more authorized Spectrum Access System (SAS) administrators to obtain channel assignments and avoid causing harmful interference to authorized users of the band, including General Authorized Access (GAA) users.
- (9) With respect to operations in the 3700-3800 MHz band, WTB/Mobility Division recommends that the applicant must avoid causing interference to the existing Fixed Service operators and FSS earth stations in the band.
- (10) FCL Tech, Inc must notch out the following: 4880 MHz (+/- 16 MHz)