

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WR9XVD

(Call Sign)

1498-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 October 26, 2021 and
will expire 3:00 A.M. EST April 26, 2022

**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 %
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 %
4800-4900 MHz	FX	5M00G9W 10M0G9W 20M0G9W	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 (+/-)
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 %
4800-4900 MHz	FX	5M00G9W 10M0G9W 20M0G9W	18 W (ERP)	0.4 %

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The stop buzzer: Michel Ouellette at 650-644-7337.
- (4) FCL Tech, Inc must notch out the following: 4880 MHz (+/- 16 MHz)
- (5) Future STA requests to operate this authorization will not to be considered. The applicant is required to file for a regular experimental application in accordance with the FCC CFR 47 Part 5.61.
- (6) The applicant must obtain consents from the Educational Broadband Service and Broadband Radio Service licensees in each corresponding proposed area prior to accessing to the frequency range from 2496 MHz to 2690 MHz.
- (7) Operation is subject to coordinate with the local Society of Broadcast Engineers frequency coordinator in the proposed area prior to operation in 2496-2500 MHz band.
- (8) Operation is subject to coordinate with the Fixed Microwave Service licensees in the proposed venue in accordance with 47 C.F.R, Part 101.103(d) prior to operation in 2496-2500 MHz.

Special Conditions:

- (9) FCL Tech, Inc. may not operate in the 4808 - 4838 MHz band due to ongoing federal operations in the requested area.
- (10) Operation is not permitted using the frequency band 3700-3800 MHz.
- (11) 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.