

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WM9XQD

(Call Sign)

0720-EX-ST-2018

(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 experiment will validate a backhaul network through a Very Small Aperture Terminal antenna to facilitate the provision of wireless 2G and LTE networks for the surrounding areas.

Station Locations

- (1) Menlo Park (SAN MATEO), CA - NL 37-29-01; WL 122-08-59
- (2) Menlo Park (SAN MATEO), CA - NL 37-29-12; WL 122-08-46

Frequency Information

Menlo Park (SAN MATEO), CA - NL 37-29-01; WL 122-08-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
890-915 MHz	FX	5M00G9W	1.902 W (ERP)	0.04 %
935-960 MHz	FX	5M00G9W	1.902 W (ERP)	0.04 %

This authorization effective May 04, 2018 and
will expire 3:00 A.M. EST November 02, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Menlo Park (SAN MATEO), CA - NL 37-29-12; WL 122-08-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1785 MHz	FX	5M00G9W 10M0G9W 15M0G9W 20M0G9W	9.69 W (ERP)	0.04 %
1805-1880 MHz	FX	5M00G9W 10M0G9W 15M0G9W 20M0G9W	9.69 W (ERP)	0.04 %

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) FCL Tech, Inc. must obtain consents from the Advance Wireless Service licensees prior to accessing to 1710-1785 MHz band.
- (4) Operation is subject to prior coordination with the local Society of Broadcast Engineers frequency coordinator and the Fixed Microwave Service licensees prior to operation in 935-960 MHz band.
- (5) FCL Tech, Inc. must notch out 1830-1845 MHz due to potential interference with ongoing law enforcement operations.
- (6) FCL Tech, Inc. must notch out 1756.5 MHz and 1880 MHz.
- (7) Prior to commencing testing operations, FCL Tech, Inc. must obtain consent from the following within 50 miles of the test area:
 - Cellular licensees (824-849 MHz/869-894 MHz)
 - Commercial Air-Ground licensee (849-851 MHz/894-896 MHz)
 - SMR licensees (896-901 MHz/935-940 MHz)
 - B/ILT licensees (896-901 MHz/935-940 MHz)
 - Narrowband PCS licensees (901-902/930-931/940-941 MHz)
 - Location & Monitoring Service licensees (902-928 MHz)
 - Broadband PCS licensees (1850-1910 MHz/1930-1990 MHz)
- (8) This authorization SUPERSEDES the previous issued authorization with the same call sign and number: adding the special conditions.