

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

EXPERIMENTAL

(Nature of Service)

WK9XKR

(Call Sign)

XT FX MO

(Class of Station)

1414-EX-ST-2016

(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 this operation is to test potential new communications applications and equipment.

Station Locations

- (1) Camarillo (VENTURA), CA - NL 34-12-31; WL 119-04-42
- (2) MOBILE: Camarillo, CA, within 50 km, centered around NL 34-12-31; WL 119-04-42
- (3) Camarillo (VENTURA), CA - NL 34-12-31; WL 119-04-44
- (4) Camarillo (VENTURA), CA - NL 34-12-31; WL 119-04-42
- (5) MOBILE: , within 50 km, centered around NL 34-12-31; WL 119-04-42
- (6) Camarillo (VENTURA), CA - NL 34-12-31; WL 119-04-42
- (7) MOBILE: Camarillo, CA, within 50 km, centered around NL 34-12-31; WL 119-04-42
- (8) MOBILE: Camarillo, CA, within 50 km, centered around NL 34-12-31; WL 119-04-42
- (9) Camarillo (VENTURA), CA - NL 34-12-31; WL 119-04-42
- (10) MOBILE: Camarillo, CA, within 50 km, centered around NL 34-12-31; WL 119-04-42

Frequency Information

Camarillo (VENTURA), CA - NL 34-12-31; WL 119-04-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902.4-927.6 MHz	FX	280KF1D	1 W (Output Power)	

This authorization effective October 18, 2016 and
will expire 3:00 A.M. EST April 08, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Camarillo (VENTURA), CA - NL 34-12-31; WL 119-04-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902.4-927.6 MHz	FX	480KF1D	1 W (Output Power)	

MOBILE: Camarillo, CA, within 50 km, centered around NL 34-12-31; WL 119-04-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902.4-927.6 MHz	MO	280KF1D 480KF1D	1 W (Output Power)	

Camarillo (VENTURA), CA - NL 34-12-31; WL 119-04-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2375-2395 MHz	FX	20M0D7W 10M0D7W 5M00D7W	20 W (Output Power)	

Camarillo (VENTURA), CA - NL 34-12-31; WL 119-04-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2375-2395 MHz	FX	20M0D7W 10M0D7W 5M00D7W	20 W (Output Power)	

Frequency Information

MOBILE: , within 50 km, centered around NL 34-12-31; WL 119-04-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2375-2395 MHz	MO	20M0D7W 10M0D7W 5M00D7W	20 W (Output Power)	

Camarillo (VENTURA), CA - NL 34-12-31; WL 119-04-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
18-20 GHz	FX	2G00DXD 2G00DXD 2G00DXD	7.9 W (Output Power)	

MOBILE: Camarillo, CA, within 50 km, centered around NL 34-12-31; WL 119-04-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-29.7 GHz	MO	2G00DXD 2G00DXD 2G00DXD	7.9 W (Output Power)	

MOBILE: Camarillo, CA, within 50 km, centered around NL 34-12-31; WL 119-04-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-29.7 GHz	MO	2G00D7D 2G00D7D	3.2 W (Output Power)	

Frequency Information

MOBILE: Camarillo, CA, within 50 km, centered around NL 34-12-31; WL 119-04-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-29.7 GHz	MO	2G00D7D	3.2 W (Output Power)	

Camarillo (VENTURA), CA - NL 34-12-31; WL 119-04-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1700-1850 MHz	FX	12M0F1D	10 W (Output Power)	
2320-2500 MHz	FX	12M0F1D	10 W (Output Power)	
5250-5850 MHz	FX	12M0F1D	10 W (Output Power)	

MOBILE: Camarillo, CA, within 50 km, centered around NL 34-12-31; WL 119-04-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1700-1850 MHz	MO	12M0F1D	10 W (Output Power)	
2320-2500 MHz	MO	12M0F1D	10 W (Output Power)	
5250-5850 MHz	MO	12M0F1D	10 W (Output Power)	

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) FLC Tech, INC must have consents from the Advanced Wireless Service licensees prior to accessing to 1700-1850 MHz band.
- (4) FLC Tech, INC must obtain consents from the Broadband Radio Service licensees prior to operation in 2320-2500 MHz band.
- (5) FLC Tech, INC must coordinate with the Fixed Microwave Service licensees prior to operation in 2320-2500 MHz, 18-20 GHz, and 27.5-29.7 GHz.
- (6) FCL Tech, INC must coordinate with the local Society Broadcast Engineer frequency coordinator prior to operation in 2320-2500 MHz and 18-20 GHz bands.
- (7) FCL Tech, INC must not transmit between the hours of 6:00 AM to 5:00 PM, weekdays in the following frequency band: 1700-1850 MHz
- (8) FCL Tech, INC must not transmit at all in the following band:
 - a. 2200 - 2320 MHz
 - b. 4400 - 4950 MHz
- (9) FCL Tech, INC must coordinate and comply with all restrictions levied by Western Area Frequency Coordinator (WAFC):

Mr. Jamie Heaton
130 Easy Rd STOP 3008 Bldg 31454, Room 230
China Lake, CA. 93555-6109
NIPR: jamie.heaton@navy.mil
SIPR: jamie.heaton@navy.smil.mil
DSN: 437-6832
COM: 760-939-6832
FAX: 760-939-0384 DSN-437
STE: 760-939-0384 DSN-437

Mr. Andrew Foltz
China Lake, CA 93555-6109
NIPR: andrew.foltz@navy.mil
SIPR: andrew.p.foltz@navy.smil.mil
DSN: 437-6948
COM: 760-939-6948
CELL: 760-608-3586
FAX: 760-939-0384 DSN-437
STE: 760-939-0384 DSN-437
- (10) FCL Tech, INC must also be aware concerning out-of-band emissions above 5850 MHz into the DSRC band used for transportation safety applications.
- (11) Operation the frequency band 2320-2345 MHz must obtain consent letter from SiriusXM prior to operations.

Special Conditions:

- (12) This authorization SUPERSEDES the previous issued authorization with the same call sign and file number: consent letters.