

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

EXPERIMENTAL

(Nature of Service)

WN9XPU

(Call Sign)

XT FX MO

(Class of Station)

1905-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 purpose of this operation is to test potential new communications applications and equipment in a controlled, low-altitude airborne environment.

Station Locations

- (1) Camarillo (VENTURA), CA - NL 34-12-31; WL 119-04-42
- (2) Camarillo (VENTURA), CA - NL 34-12-31; WL 119-04-42
- (3) Camarillo (VENTURA), CA - NL 34-12-31; WL 119-04-42
- (4) Camarillo (VENTURA), CA - NL 34-12-31; WL 119-04-42
- (5) MOBILE: 3000-5000m above Camarillo Airport, within 50 km, centered around NL 34-12-31; WL 119-04-42
- (6) MOBILE: 3000-5000 m above the Camarillo Airport, within 50 km, centered around NL 34-12-31; WL 119-04-42
- (7) MOBILE: 3000-5000 m above Camarillo Airport, within 50 km, centered around NL 34-12-31; WL 119-04-42
- (8) MOBILE: Camarillo Airport, within 50 km, centered around NL 34-12-31; WL 119-04-42

This authorization effective December 20, 2018 and
will expire 3:00 A.M. EST May 01, 2019

**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 (+/-)
25.5-27.5 GHz	FX	2G00DXD	50119 W (ERP)	0.001 %

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
25.5-27.5 GHz	FX	2G00DXD	50119 W (ERP)	0.001 %

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
25.5-27.5 GHz	FX	2G00DXD	50119 W (ERP)	0.001 %

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
38-39.5 GHz	FX	1G50DXD	100000 W (ERP)	0.001 %

Frequency Information

MOBILE: 3000-5000m above Camarillo Airport, within 50 km, centered around NL 34-12-31; WL 119-04-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
38-39.5 GHz	MO	1G50DXD	631 W (ERP)	0.001 %

MOBILE: 3000-5000 m above the Camarillo Airport, within 50 km, centered around NL 34-12-31; WL 119-04-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
25.5-27.5 GHz	MO	2G00DXD	1259 W (ERP)	0.001 %

MOBILE: 3000-5000 m above Camarillo Airport, within 50 km, centered around NL 34-12-31; WL 119-04-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1715-1850 MHz	MO	13M2G1D	10 W (ERP)	2.0E-6 %

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200-2290 MHz	MO	13M2G1D	398 W (ERP)	2.0E-6 %
2360-2483 MHz	MO	13M2G1D	398 W (ERP)	2.0E-6 %

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.

Special Conditions:

- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) FCL Tech Inc. shall not conduct operations in the 2290 - 2310 MHz band.
- (4) FCL Tech Inc. must pre-coordinate all operations in the 2200 - 2290 MHz and the 25.5 - 27.5 GHz bands with NASA Joint Propulsion Laboratory representative, Feiming Morgan (Feiming.morgan@jpl.nasa.gov), and NASA Goldstone Airspace Manager, Bruce Klein (bruce.a.klein@jpl.nasa.gov) at least three days prior to operation.
- (5) FCL Tech Inc. must coordinate airborne operations around Camarillo Airport with the DOD Western Area Frequency Coordinator, M/S 3008 130 Easy Road, China Lake, CA 93555, Code 52140MD Comm: 760-939-6832 DSN: 437-6832.
- (6) Prior to commencing any operations in Aeronautical and Fixed frequencies (2360-2395 MHz), FCL Tech Inc. must coordinate with the Aerospace and Flight Test Radio Coordinating Council (AFTRCC).
- (7) FCL Tech Inc. must obtain consents from the Advance Wireless Service licensees prior to accessing to 1715-1780 MHz band.
- (8) FCL Tech Inc. must coordinate with the Fixed Microwave Service licensees prior to operation in 25.5-27.5 GHz, 38-39.5 GHz, and 2450-2483 MHz bands.
- (9) Operation is non-interference basis to Flight Test telemetry.
- (10) Operation is non-interference basis to other authorized users within radio line-of-sight.
- (11) FLC Tech Inc. must provide DoD Western AFC STOP BUZZEP POC when scheduling. Pre-scheduling is required prior to operation via DoD Western Area Frequency Coordinator.
- (12) Operation is NOT permitted using the frequency band 2290-2360 MHz and 2483-2500 MHz.
- (13) The stop buzzer contacts are Ray Blasing at 650-868-7007 and Jose Ortiz at 650-730-4009.