

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

EXPERIMENTAL

(Nature of Service)

WK9XLL

(Call Sign)

XT FX MO

(Class of Station)

0103-EX-ST-2017

(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 airborne environment.

Station Locations

- (1) MOBILE: Los Angeles, CA, within 5 km, centered around NL 34-08-25; WL 118-35-21
- (2) MOBILE: Los Angeles, CA, within 5 km, centered around NL 34-08-25; WL 118-35-21
- (3) Los Angeles (LOS ANGELES), CA - NL 34-11-00; WL 118-26-12
- (4) Los Angeles (LOS ANGELES), CA - NL 34-11-00; WL 118-26-12

Frequency Information

MOBILE: Los Angeles, CA, within 5 km, centered around NL 34-08-25; WL 118-35-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
71-73 GHz	MO	2G00D7D	1585 W (ERP)	0.002 %

This authorization effective February 07, 2017 and
will expire 3:00 A.M. EST July 02, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Los Angeles, CA, within 5 km, centered around NL 34-08-25; WL 118-35-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2382.5-2387.5 MHz	MO	5M00D7W	32 W (ERP)	0.002 %

Los Angeles (LOS ANGELES), CA - NL 34-11-00; WL 118-26-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
81-83 GHz	FX	2G00D7D	63096 W (ERP)	0.002 %

Los Angeles (LOS ANGELES), CA - NL 34-11-00; WL 118-26-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2382.5-2387.5 MHz	FX	5M00D7W	32 W (ERP)	0.002 %

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 licensee must coordinate with the existing 71-76 GHz and 81-86 GHz users prior to conducting the experimental operations.

Special Conditions:

- (4) FCL Tech, Inc. must contact and coordinate with the DOD Western Area Frequency Coordinator prior to operate the experiment.

DOD Western Area Frequency Coordinators

Mr. Jamie Heaton

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- (5) FCL needs to be made aware there are 1200+ third party short range microwave shots in the band 71 - 95 GHz within 50 miles of the stated coordinates. FCL Tech must not cause interference and cannot claim interference from these operations.
- (6) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to authorization with the Area Frequency Coordinator (AFC), who also coordinated it, as appropriate, with Aerospace and Flight Test Radio coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the AFC, as necessary to ensure compatibility with existing uses.