

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

EXPERIMENTAL

(Nature of Service)

XT FX MO

(Class of Station)

WM9XIA

(Call Sign)

0921-EX-ST-2019

(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 these experimental operations is to test potential new communications applications and equipment in a controlled, low-altitude airborne environment.

Station Locations

- (1) Menlo Park (SAN MATEO), CA - NL 37-28-38; WL 122-08-49
- (2) Menlo Park (SAN MATEO), CA - NL 37-28-38; WL 122-08-49
- (3) MOBILE: 400 feet AGL, Maenlo Park, CA, within 1 km, centered around NL 37-28-38; WL 122-08-49
- (4) MOBILE: 400 feet AGL, Menlo Park, CA, within 1 km, centered around NL 37-28-39; WL 122-08-51

Frequency Information

Menlo Park (SAN MATEO), CA - NL 37-28-38; WL 122-08-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
25.5-27.5 GHz	FX	2G00DXD	5012 W (ERP)	0.001 %

This authorization effective June 01, 2019 and
will expire 3:00 A.M. EST November 02, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Menlo Park (SAN MATEO), CA - NL 37-28-38; WL 122-08-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
37.75-39.75 GHz	FX	2G00DXD	100000 W (ERP)	0.001 %

MOBILE: 400 feet AGL, Maenlo Park, CA, within 1 km, centered around NL 37-28-38; WL 122-08-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
37.75-39.75 GHz	MO	2G00DXD	631 W (ERP)	0.001 %

MOBILE: 400 feet AGL, Menlo Park, CA, within 1 km, centered around NL 37-28-39; WL 122-08-51

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

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) Operation is subject to prior coordination with the Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d).
- (4) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (5) Licensee must maintain a point of contact available 24 hours per day, seven days per week, with the authority and ability to terminate operations authorized herein, for discussing interference concerns with other licensees, and must submit a letter to be included in its license file with the name and telephone number of the point of contact prior to commencing operation.

Special Conditions:

- (6) The airborne stations authorized herein must not be used for air traffic control communications.
- (7) Aircraft operations are limited to U.S.-registered aircraft.
- (8) The airborne stations must be in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules.
- (9) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (10) Operations are on a non-interference basis (NIB) and shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference and notify the FCC in writing.
- (11) The stop buzzers, Daniel Lampie at 650-847-8143 and Pritesh Patel at 408-398-6233.
- (12) Licensee must provide written notice to Theia Holdings A, Inc. and Telesat Canada of licensee's proposed operations in the 37.75-39.75 GHz frequency band with the emission 2G00DXD and power 100000W (ERP) prior to commencing operations in this band:

Licensee: Theia Holdings A, Inc. Phone Number: 215-963-1555
Attention: James Hickey

Or Attention: Relationship: Legal Counsel
Jennifer L. Richter Phone Number: 202-887-4524
E-Mail: jrichter@akingump.com

Licensee: Telesat Canada Phone Number: (613) 748-8700
Attention: Ms Elisabeth Neasmith

Or Attention: Relationship: Legal Counsel
Joseph A. Godles Esq. Phone Number: 202-429-4900
E-Mail: jgodles@g2w2.com

- (13) Licensee shall ensure that the transmitting station antenna(s) main beam gain tip down when possible and avoid pointing above the horizon to protect satellite stations.