

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

EXPERIMENTAL

(Nature of Service)

WJ9XLE

(Call Sign)

XT FX MO

(Class of Station)

0818-EX-ST-2016

(File Number)

NAME UB Nanosatellite Laboratory

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 operation is to test the communications link for a nanosatellite.

Station Locations

- (1) Buffalo (ERIE), NY - NL 43-00-07; WL 78-47-13
- (2) MOBILE: Top of sledding hill in Chestnut Ridge Park, Orchard Park, NY, within 8 km, centered around NL 42-43-18; WL 78-44-40

Frequency Information

Buffalo (ERIE), NY - NL 43-00-07; WL 78-47-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
400.15-401 MHz	FX	12K0F1D	10 W (ERP)	0.001 %

This authorization effective July 15, 2016 and
will expire 3:00 A.M. EST October 01, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Top of sledding hill in Chestnut Ridge Park, Orchard Park, NY, within 8 km, centered around NL 42-43-18; WL 78-44-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
137-138 MHz	MO	12K0F1D	10 W (ERP)	0.001 %

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) Future use of this equipment must comply with Chapter 4, paragraph 4.1.3 of the Manual of Regulations and Procedures for Federal Radio Frequency Management (NTIA Manual) and 47 CFR, Part 25.202(a)(3) of the FCC rules.

Allocations are as follows:

137 - 138 MHz Space-to-Earth
148 - 150.05 MHz Earth-to-Space
400.15 - 401 MHz Space-to-Earth
399.9 - 400.05 MHz Earth-to-Space

- (3) Prior to operation, licensee must coordinate with stations authorized to operate in these frequency bands that are located within a within a 25 mile radius of the transmitter.
- (4) Licensee should be aware that there is a licensed station operating on these same frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (5) Prior to operation, licensee must notify the potentially-affected earth station operator ORBCOMM LICENSE CORP and obtain their written consent to the proposed operations.