

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

EXPERIMENTAL

(Nature of Service)

WP9XOK

(Call Sign)

XT FX MO

(Class of Station)

1219-EX-ST-2020

(File Number)

NAME University at Buffalo 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 perform ground testing of the communications link for a nanosatellite.

Station Locations

- (1) MOBILE: University at Buffalo campus, Buffalo, NY, within 5 km, centered around NL 43-00-00; WL 78-47-26
- (2) Buffalo (ERIE), NY - NL 43-00-12; WL 78-45-54

Frequency Information

MOBILE: University at Buffalo campus, Buffalo, NY, within 5 km, centered around NL 43-00-00; WL 78-47-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
137.875 MHz	MO	12K0F1D	3.7 W (ERP)	0.001 %

This authorization effective August 18, 2020 and
will expire 3:00 A.M. EST February 02, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Buffalo (ERIE), NY - NL 43-00-12; WL 78-45-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.125 MHz	FX	12K0F1D	2085 W (ERP)	0.001 %

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Testing operations using a frequency of 401.125 MHz shall not occur when the NASA International Space Station (ISS) (NORAD designation 25544 or international spacecraft ID 1998-67A) is within horizon to horizon view of the University of Buffalo ground station location in Buffalo, NY.
- (5) Prior to operations at the 137.875 MHz band, the applicant must reduce the power from 10 W to 3.7 W
- (6) Future STA requests to extend this authorization will not be considered. The applicant is required to file for a regular experimental application in accordance with the FCC CRF 47 Part 5.61.