

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WR9XNI

(Call Sign)

0067-EX-ST-2021

(File Number)

NAME Northeastern University College of Engineering

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:

These experiments will involve both propagation measurements as well as experiments with different modulation parameters for high speed data transmission

Station Locations

(1) Boston (SUFFOLK), MA - NL 42-20-18; WL 71-05-20

Frequency Information

Boston (SUFFOLK), MA - NL 42-20-18; WL 71-05-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
123.5-140 GHz	FX	2G00D1D	200 W (ERP)	1.0E-6 %
210-225 GHz	FX	2G00D1D	2 kW (ERP)	1.0E-6 %

Special Conditions:

(1) The occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

This authorization effective February 15, 2021 and
will expire 3:00 A.M. EST August 16, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (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 maximum unwanted emission levels into the 114.25-122.25 GHz and 148.5-151.5 GHz frequency bands from operation in the 123.5-140 GHz frequency band shall not exceed (-50dBW/100 MHz).
- (4) The maximum unwanted emission levels into the 200-209 GHz and 226-231.5 GHz frequency bands from operation in the 210-225 GHz frequency band shall not exceed (-50dBW/100 MHz).