

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

EXPERIMENTAL

(Nature of Service)

WK9XGC

(Call Sign)

XT FX MO

(Class of Station)

1214-EX-ST-2016

(File Number)

NAME Flux Research Group, University of Utah

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:

PhantomNet provides a fully programmable mobile network testbed, suitable for experiments with state-of-the-art packet based mobile networks. We aim to support researchers operating practical

Station Locations

- (1) New York (NEW YORK), NY - NL 40-44-55; WL 73-59-02; MOBILE: Within the Graduate Center CUNY building, within 0.1 km

Frequency Information

New York (NEW YORK), NY - NL 40-44-55; WL 73-59-02; MOBILE: Within the Graduate Center CUNY building, within 0.1 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
704-716 MHz	MO	5M00D7W	250 mW (ERP)	0.05 %
734-746 MHz	FX	5M00D7W	820 mW (ERP)	0.05 %
1710-1760 MHz	MO	5M00D7W	250 mW (ERP)	0.05 %

This authorization effective October 03, 2016 and
will expire 3:00 A.M. EST October 08, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

New York (NEW YORK), NY - NL 40-44-55; WL 73-59-02; MOBILE: Within the Graduate Center CUNY building, within 0.1 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2110-2160 MHz	FX	5M00D7W	820 mW (ERP)	0.05 %

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) Operation is subject to consent of the 700 MHz Lower Band "B" and "C" blocks (704-716 MHz) licensees within 50 miles of the test area.
- (4) Experimental licensee is subject to obtain consent from the Advanced Wireless Service (AWS) licensees prior to operation in 1710-1760 MHz and 2110-2160 MHz bands.