

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

EXPERIMENTAL

(Nature of Service)

WK9XFV

(Call Sign)

XR FX MO

(Class of Station)

1177-EX-ST-2016

(File Number)

NAME NYU Polytechnic School 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:

The purpose of the operation is to conduct experimental propagation measurements at millimeter-wave frequencies.

Station Locations

- (1) Brooklyn (KINGS), NY - NL 40-41-41; WL 73-59-09
- (2) Brooklyn (KINGS), NY - NL 40-41-39; WL 73-59-10
- (3) New York City (NEW YORK), NY - NL 40-43-45; WL 73-59-38
- (4) New York City (NEW YORK), NY - NL 40-43-43; WL 73-59-44
- (5) New York City (NEW YORK), NY - NL 40-43-45; WL 73-59-49
- (6) MOBILE: Riner, VA, within 15 km, centered around NL 37-01-40; WL 80-28-01

Frequency Information

Brooklyn (KINGS), NY - NL 40-41-41; WL 73-59-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28 GHz	FX	5G00A2X	61.09 W (ERP)	
38 GHz	FX	5G00A2X	61.09 W (ERP)	

This authorization effective August 12, 2016 and
will expire 3:00 A.M. EST February 11, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Brooklyn (KINGS), NY - NL 40-41-41; WL 73-59-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
60 GHz	FX	5G00A2X	193.2 W (ERP)	
72 GHz	FX	5G00A2X	63.09 W (ERP)	

Brooklyn (KINGS), NY - NL 40-41-39; WL 73-59-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28 GHz	FX	5G00A2X	61.09 W (ERP)	
38 GHz	FX	5G00A2X	61.09 W (ERP)	
60 GHz	FX	5G00A2W	193.2 W (ERP)	
72 GHz	FX	5G00A2X	63.09 W (ERP)	

New York City (NEW YORK), NY - NL 40-43-45; WL 73-59-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28 GHz	FX	5G00A2X	61.09 W (ERP)	

Frequency Information

New York City (NEW YORK), NY - NL 40-43-45; WL 73-59-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
38 GHz	FX	5G00A2X	61.09 W (ERP)	
60 GHz	FX	5G00A2X	193.2 W (ERP)	
72 GHz	FX	5G00A2X	63.09 W (ERP)	

New York City (NEW YORK), NY - NL 40-43-43; WL 73-59-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28 GHz	FX	5G00A2X	61.09 W (ERP)	
38 GHz	FX	5G00A2X	61.09 W (ERP)	
60 GHz	FX	5G00A2X	193.2 W (ERP)	
72 GHz	FX	5G00A2X	63.09 W (ERP)	

Frequency Information

New York City (NEW YORK), NY - NL 40-43-45; WL 73-59-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.5 GHz	FX	5G00A2X	61.09 W (ERP)	
28 GHz	FX	5G00A2X	61.09 W (ERP)	
38 GHz	FX	5G00A2X	61.09 W (ERP)	
60 GHz	FX	5G00A2X	193.2 W (ERP)	
72 GHz	FX	5G00A2X	63.09 W (ERP)	

MOBILE: Riner, VA, within 15 km, centered around NL 37-01-40; WL 80-28-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28 GHz	FX	2G00A2X	61.09 W (ERP)	
38 GHz	FX	2G00A2X	61.09 W (ERP)	
57-66 GHz	FX	10G0A2X	193.2 W (ERP)	
73.5 GHz	FX	20M0A2X	63.09 W (ERP)	

Frequency Information

MOBILE: Riner, VA, within 15 km, centered around NL 37-01-40; WL 80-28-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
83 GHz	FX	5G00A2X	63.09 W (ERP)	

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) Coordinate with the existing users in 71-76 GHz band prior to accessing to 72 GHz and 73 GHz.
- (4) Coordinate with the Fixed Microwave Service licensees prior to accessing to 28 GHz, 33 GHz, 38 GHz and 27.5-28.5 GHz bands.
- (5) The designated point-of-contact if having interference occurs is George MacCartney at 610-324-6327
- (6) NYU Polytechnic School need to be aware that there are numerous short range microwave links in and around New York City in the 67-77 GHz band.
- (7) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.