

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE

EXPERIMENTAL

(Nature of Service)

XR FX MO

(Class of Station)

WI2XSY

(Call Sign)

0015-EX-CN-2017

(File Number)

NAME NYU Tandon School of Engineering

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(i) of the Commission's Rules

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 (+/-)
83.5 GHz	FX	5G00A2W	63.09 W (ERP)	
140-160 GHz	FX	5G00A2W	60 W (ERP)	

This authorization effective April 20, 2017 and
will expire 3:00 A.M. EST May 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
83.5 GHz	FX	5G00A2W	63.09 W (ERP)	
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New York City (NEW YORK), NY - NL 40-43-45; WL 73-59-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
83.5 GHz	FX	5G00A2W	63.09 W (ERP)	
140-160 GHz	FX	5G00A2W	60 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 (+/-)
83.5 GHz	FX	5G00A2W	63.09 W (ERP)	
140-160 GHz	FX	5G00A2W	60 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 (+/-)
83.5 GHz	FX	5G00A2W	63.09 W (ERP)	
140-160 GHz	FX	5G00A2W	60 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	2G00A2W	61.09 W (ERP)	
38 GHz	FX	2G00A2W	61.09 W (ERP)	
57-71 GHz	MO	5G00A2W	193.2 W (ERP)	
73.5 GHz	FX	20M0A2W	63.09 W (ERP)	
83.5 GHz	MO	5G00A2W	63.09 W (ERP)	
140-160 GHz	MO	5G00A2W	60 W (ERP)	

Special Conditions:

- (1) 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.

Special Conditions:

- (2) Coordinate with the existing users in 71-76 GHz band prior to accessing to 72 GHz and 73 GHz.
- (3) Coordinate with the Fixed Microwave Service licensees prior to accessing to 28 GHz, 33 GHz, 38 GHz and 27.5-28.5 GHz bands.
- (4) The designated point-of-contact if having interference occurs is Yunchou Xing at 646-706-6823.
- (5) Licensee shall coordinate with the Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d) prior to operation on 28 GHz and 38 GHz.
- (6) Licensee shall coordinate with the existing 71-76 GHz and 81-86 GHz users prior to accessing to 73.5 GHz and 83.5 GHz.
- (7) Licensee shall notch the following frequencies:
148.5-151.5 GHz