

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

EXPERIMENTAL
(Nature of Service)

XR FX MO
(Class of Station)

WM2XSW
(Call Sign)

0359-EX-CR-2026
(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
- (7) Brooklyn (KINGS), NY - NL 40-41-35; WL 73-59-14
- (8) Brooklyn (KINGS), NY - NL 40-41-56; WL 73-58-29
- (9) Brooklyn (KINGS), NY - NL 40-35-00; WL 73-57-18

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
140-148 GHz	FX	4G00A2W	60 W (ERP)	

This authorization effective August 01, 2026 and will expire 3:00 A.M. ET August 01, 2030

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 (+/-)
140-148 GHz	FX	4G00A2W	60 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 (+/-)
140-148 GHz	FX	4G00A2W	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 (+/-)
140-148 GHz	FX	4G00A2W	60 W (ERP)	

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
140-148 GHz	FX	4G00A2W	60 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 (+/-)
140-148 GHz	MO	4G00A2W	60 W (ERP)	

Brooklyn (KINGS), NY - NL 40-41-35; WL 73-59-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
140-148 GHz	FX	4G00A2W	30 W (ERP)	

Brooklyn (KINGS), NY - NL 40-41-56; WL 73-58-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
140-148 GHz	FX	4G00A2W	30 W (ERP)	

Brooklyn (KINGS), NY - NL 40-35-00; WL 73-57-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
140-148 GHz	FX	4G00A2W	30 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) Stop Buzzer is Dipankar Shakya
Telephone: 347-280-8468

Special Conditions:

- (4) The measured unwanted effective isotropic radiated power (EIRP) shall not exceed -11 dBw in any 500 MHz of 148.5-151.5 GHz. This limit must be met for 100% of time and must be met in all 500 MHz windows of the passive-only band, including 148.5-149 GHz.
- (5) Operation on this assignment is subject to immediate cessation, if it causes harmful interference to passive remote sensing (OOB) assignments.