

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

EXPERIMENTAL

(Nature of Service)

XR      FX

(Class of Station)

WF2XQM

(Call Sign)

0052-EX-RR-2014

(File Number)

NAME NYU Polytechnic 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

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)    |                           |
| 60 GHz    | FX            | 5G00A2X             | 193.2 W (ERP)    |                           |

This authorization effective April 19, 2014 and  
will expire 3:00 A.M. EST April 16, 2015

**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 (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 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)    |                           |
| 38 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 (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 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)    |                           |

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)    |                           |

## 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 (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 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)    |                           |

## Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) 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.
- (4) Operation is subject to prior coordination with affected existing Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d).
- (5) The designated point-of-contact if having interference occurs is Theodore S. Rappaport at 512-471-6500.