

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

EXPERIMENTAL

(Nature of Service)

XD      FX MO

(Class of Station)

WF2XUG

(Call Sign)

0233-EX-PL-2011

(File Number)

NAME Nokia Siemens Networks US LLC

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) Arlington Heights, IL - NL 42-08-08; WL 87-59-56; MOBILE: , within 10 km
- (2) Arlington Heights, IL - NL 42-08-14; WL 87-58-57; MOBILE: , within 10 km
- (3) Palatine, IL - NL 42-09-12; WL 88-02-11; MOBILE: , within 10 km
- (4) Arlington Heights, IL - NL 42-05-04; WL 87-58-53; MOBILE: , within 10 km

Frequency Information

Arlington Heights, IL - NL 42-08-08; WL 87-59-56; MOBILE: , within 10 km

| Frequency   | Station Class | Emission Designator                                                                  | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|--------------------------------------------------------------------------------------|------------------|---------------------------|
| 758-763 MHz | FX            | 5M00G7D<br>5M00W7W<br>5M00G2D<br>5M00D7D<br>10M0G7D<br>10M0W7W<br>10M0G2D<br>10M0D7D | 125 W (ERP)      |                           |
| 758-763 MHz | MO            | 5M00G7D                                                                              | 250 mW (ERP)     |                           |

This authorization effective June 14, 2011 and  
will expire 3:00 A.M. EST June 01, 2013

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Arlington Heights, IL - NL 42-08-08; WL 87-59-56; MOBILE: , within 10 km

| Frequency   | Station Class | Emission Designator                                                                  | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|--------------------------------------------------------------------------------------|------------------|---------------------------|
| 758-763 MHz | MO            | 5M00W7W<br>5M00G2D<br>5M00D7D<br>10M0G7D<br>10M0W7W<br>10M0G2D<br>10M0D7D            | 250 mW (ERP)     |                           |
| 788-793 MHz | FX            | 5M00G7D<br>5M00W7W<br>5M00G2D<br>5M00D7D<br>10M0G7D<br>10M0W7W<br>10M0G2D<br>10M0D7D | 125 W (ERP)      |                           |
| 788-793 MHz | MO            | 5M00G7D<br>5M00W7W<br>5M00G2D<br>5M00D7D<br>10M0G7D<br>10M0W7W<br>10M0G2D<br>10M0D7D | 250 mW (ERP)     |                           |

## Frequency Information

Arlington Heights, IL - NL 42-08-14; WL 87-58-57; MOBILE: , within 10 km

| Frequency   | Station Class | Emission Designator                                                                  | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|--------------------------------------------------------------------------------------|------------------|---------------------------|
| 758-763 MHz | FX            | 5M00G7D<br>5M00W7W<br>5M00G2D<br>5M00D7D<br>10M0G7D<br>10M0W7W<br>10M0G2D<br>10M0D7D | 125 W (ERP)      |                           |
| 758-763 MHz | MO            | 5M00G7D<br>5M00W7W<br>5M00G2D<br>5M00D7D<br>10M0G7D<br>10M0W7W<br>10M0G2D<br>10M0D7D | 250 mW (ERP)     |                           |
| 788-793 MHz | FX            | 5M00G7D<br>5M00W7W<br>5M00G2D<br>5M00D7D<br>10M0G7D<br>10M0W7W<br>10M0G2D<br>10M0D7D | 125 W (ERP)      |                           |
| 788-793 MHz | MO            | 5M00G7D<br>5M00W7W<br>5M00G2D<br>5M00D7D<br>10M0G7D                                  | 250 mW (ERP)     |                           |

## Frequency Information

Arlington Heights, IL - NL 42-08-14; WL 87-58-57; MOBILE: , within 10 km

| Frequency   | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|-------------------------------|------------------|---------------------------|
| 788-793 MHz | MO            | 10M0W7W<br>10M0G2D<br>10M0D7D | 250 mW (ERP)     |                           |

Palatine, IL - NL 42-09-12; WL 88-02-11; MOBILE: , within 10 km

| Frequency   | Station Class | Emission Designator                                                                  | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|--------------------------------------------------------------------------------------|------------------|---------------------------|
| 758-763 MHz | FX            | 5M00G7D<br>5M00W7W<br>5M00G2D<br>5M00D7D<br>10M0G7D<br>10M0W7W<br>10M0G2D<br>10M0D7D | 125 W (ERP)      |                           |
| 758-763 MHz | MO            | 5M00G7D<br>5M00W7W<br>5M00G2D<br>5M00D7D<br>10M0W7W<br>10M0G2D<br>10M0D7D<br>10M0G7D | 250 mW (ERP)     |                           |
| 788-793 MHz | FX            | 5M00G7D<br>5M00W7W<br>5M00G2D<br>5M00D7D                                             | 125 W (ERP)      |                           |

## Frequency Information

Palatine, IL - NL 42-09-12; WL 88-02-11; MOBILE: , within 10 km

| Frequency   | Station Class | Emission Designator                                                                  | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|--------------------------------------------------------------------------------------|------------------|---------------------------|
| 788-793 MHz | FX            | 10M0G7D<br>10M0W7W<br>10M0G2D<br>10M0D7D                                             | 125 W (ERP)      |                           |
| 788-793 MHz | MO            | 5M00G7D<br>5M00W7W<br>5M00G2D<br>5M00D7D<br>10M0G7D<br>10M0W7W<br>10M0G2D<br>10M0D7D | 250 mW (ERP)     |                           |

Arlington Heights, IL - NL 42-05-04; WL 87-58-53; MOBILE: , within 10 km

| Frequency   | Station Class | Emission Designator                                                                  | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|--------------------------------------------------------------------------------------|------------------|---------------------------|
| 758-763 MHz | FX            | 5M00G7D<br>5M00W7W<br>5M00G2D<br>5M00D7D<br>10M0G7D<br>10M0W7W<br>10M0G2D<br>10M0D7D | 125 W (ERP)      |                           |
| 758-763 MHz | MO            | 5M00G7D<br>5M00W7W<br>5M00G2D                                                        | 250 mW (ERP)     |                           |

## Frequency Information

Arlington Heights, IL - NL 42-05-04; WL 87-58-53; MOBILE: , within 10 km

| Frequency   | Station Class | Emission Designator                                                                  | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|--------------------------------------------------------------------------------------|------------------|---------------------------|
| 758-763 MHz | MO            | 5M00D7D<br>10M0G7D<br>10M0W7W<br>10M0G2D<br>10M0D7D                                  | 250 mW (ERP)     |                           |
| 788-793 MHz | FX            | 5M00G7D<br>5M00W7W<br>5M00G2D<br>5M00D7D<br>10M0G7D<br>10M0W7W<br>10M0G2D<br>10M0D7D | 125 W (ERP)      |                           |
| 788-793 MHz | MO            | 5M00G7D<br>5M00W7W<br>5M00G2D<br>5M00D7D<br>10M0G7D<br>10M0W7W<br>10M0G2D<br>10M0D7D | 250 mW (ERP)     |                           |

## Special Conditions:

- (1) Licensee is authorized to use various emissions and bandwidths during the experiment.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, [executivedir @ sbe.org](mailto:executivedir@sbe.org); information, [www.sbe.org](http://www.sbe.org).

**Special Conditions:**

- (4) Licensee is limited to emission bandwidths up to 5 MHz wide.