

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WG2XII

(Call Sign)

0405-EX-RR-2013

(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 (+/-)
758-768 MHz	FX	5M00G7D 5M00W7W 5M00G2D 5M00D7D	125 W (ERP)	
758-768 MHz	FX	5M00G7D 5M00W7W 5M00G2D 5M00D7D	125 W (ERP)	

This authorization effective December 31, 2013 and
will expire 3:00 A.M. EST December 31, 2014

**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 (+/-)
788-798 MHz	MO	5M00G7D 5M00W7W 5M00G2D 5M00D7D	5 W (ERP)	
788-798 MHz	MO	5M00G7D 5M00W7W 5M00G2D 5M00D7D	5 W (ERP)	

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
758-768 MHz	FX	5M00G7D 5M00W7W 5M00G2D 5M00D7D	125 W (ERP)	
758-768 MHz	FX	5M00G7D 5M00W7W 5M00G2D 5M00D7D	125 W (ERP)	
788-798 MHz	MO	5M00G7D 5M00W7W 5M00G2D	5 W (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 (+/-)
788-798 MHz	MO	5M00D7D	5 W (ERP)	
788-798 MHz	MO	5M00G7D 5M00W7W 5M00G2D 5M00D7D	5 W (ERP)	

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
758-768 MHz	FX	5M00G7D 5M00W7W 5M00G2D 5M00D7D	125 W (ERP)	
758-768 MHz	FX	5M00G7D 5M00W7W 5M00G2D 5M00D7D	125 W (ERP)	
788-798 MHz	MO	5M00G7D 5M00W7W 5M00G2D 5M00D7D	5 W (ERP)	
788-798 MHz	MO	5M00G7D	5 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 (+/-)
788-798 MHz	MO	5M00W7W 5M00G2D 5M00D7D	5 W (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 (+/-)
758-768 MHz	FX	5M00G7D 5M00W7W 5M00G2D 5M00D7D	125 W (ERP)	
758-768 MHz	FX	5M00G7D 5M00W7W 5M00G2D 5M00D7D	125 W (ERP)	
788-798 MHz	MO	5M00G7D 5M00W7W 5M00G2D 5M00D7D	5 W (ERP)	
788-798 MHz	MO	5M00G7D 5M00W7W 5M00G2D 5M00D7D	5 W (ERP)	

Special Conditions:

- (1) L TE base stations will be located at four sites in and around NSN offices in South Arlington Heights and Palatine, Illinois. In addition, NSN would deploy up to 12 L TE low power "pico-sites" within one kilometer of each site and up to 20 portable devices within ten kilometers of each base station.
- (2) NSN requests authority from the FCC to operate over the 758-768/788-798 MHz bands, which are currently licensed on a nationwide basis to FirstNet.
- (3) Operation will begin when the Commission grants the requested license and will continue for no longer than December 31 , 2014.
- (4) NSN has analyzed information in the FCC's license databases and states that the proposed operation would not interfere or create a significant potential for harmful interference with any public safety operations in the 700 MHz band. The Illinois State Police, which use a portion of the subject frequencies for narrowband operations under a previous band plan, have concurred in NSN's proposed renewal
- (5) Operation of the experiment will not be used in mission-critical operations or in the delivery of live transmissions in duties to protect life, property, or safety. Operations will be confined to a 10 kilometer radius of the four base station sites listed in the application.
- (6) NSN has provided an overall project manager and in case of interference issues, "stop buzzer" contact for these experiments: Javier Lopez, Project Manager, 847-668-4384; Javier.Lopez@nsn.com.
- (7) NSN understands that an experimental license only permits shared use of the subject radio frequencies and that it may have to coordinate with other entities licensed for experimental purposes. NSN further understands that a separate concurrence from FirstNet will be required for renewal of this license.
- (8) All experimental operations by NSN will be secondary, meaning that they must not cause interference to narrowband or broadband operations authorized on a primary basis, including in the spectrum licensed to FirstNet. Narrowband or broadband operations authorized on a primary basis, including in the spectrum licensed to FirstNet, have no obligation to mitigate any interference that such primary operations may present to the NSN experimental operations.
- (9) FirstNet has not yet deployed in the geographic area covered by this application. NSN understands that if, during the term of this license, FirstNet or its assigns or lessees, plans to deploy. in this area, NSN may have to reduce the coverage or power levels of its experimental transmissions or cease them entirely.