

First Responder Network Authority
c/o National Telecommunications and Information Administration
United States Department of Commerce
1401 Constitution Avenue, N.W., Suite 4898
Washington, D.C. 20230

March 26, 2013

Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, SW
Room TWA325
Washington, DC 20554

Re: Application of Nokia Siemens Networks US LLC Networks for an Experimental License, File No. 0317-EX-PL-2012, Call Sign WG2XII

Dear Ms. Dortch:

The First Responder Network Authority ("FirstNet") consents to the application of Nokia Siemens Networks US LLC ("Nokia Siemens") for an experimental license to develop innovative Long Term Evolution (LTE) equipment for "small cell" solutions using the 758-768/788-798 MHz band. Nokia Siemens states that FirstNet can leverage the experimentation it proposes in extending coverage to "urban canyons" and other hard-to-reach areas, in adding capacity in "hot zone" areas, and in managing communications through shifting traffic patterns. A previous Special Temporary Authority for such experiments, which had the concurrence of the Public Safety Spectrum Trust, expired in September 2012. Nokia Siemens requests the subject experimental license from September 1, 2012 until December 31, 2013.


FirstNet's concurrence is premised on the temporary operations that conform to the following parameters:

- 1) LTE base stations will be located at four sites in and around Nokia Siemens offices in South Arlington Heights and Palatine, Illinois. In addition, Nokia Siemens would deploy up to 12 LTE low power "pico-sites" within one kilometer of each site and up to 20 portable devices within ten kilometers of each base station.
- 2) Nokia Siemens 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 STA and will continue for no longer than December 31, 2013.
- 4) Nokia Siemens 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 Nokia Siemens' proposed experimental license.
- 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) Nokia Siemens has provided an overall project manager and in case of interference issues, "stop-buzzer" contact for these experiments: Sung Yun, Project Manager, 847-341-3010; sung.yun@nsn.com.
- 7) Nokia Siemens 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. Nokia Siemens further understands that a separate concurrence from FirstNet will be required for renewal of this license.
- 8) All experimental operations by Nokia Siemens 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 Nokia Siemens experimental operations.
- 9) FirstNet has not yet deployed in the geographic area covered by this application. Nokia Siemens understands that if, during the term of this license, FirstNet or its assigns or lessees, plans to deploy in this area, Nokia Siemens may have to reduce the coverage or power levels of its experimental transmissions or cease them entirely.

FirstNet concurs with the proposed experimental license for Nokia Siemens on certain frequencies currently licensed to FirstNet for purposes of testing innovative "small cell" solutions for LTE equipment. This consent is subject to the FirstNet's ongoing ability to monitor any operations and use of FirstNet's licensed spectrum.

Respectfully submitted,



Susan G. Swenson
Board Member
First Responder Network Authority

cc: Genaro Fullano, Associate Chief
Public Safety and Homeland Security Bureau
Sung Yun, Project Manager
Nokia Siemens Networks
Kurt De Soto, Esq.
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Derek Khlopin, Head of Government Relations
Nokia Siemens Networks