

INSTRUCTIONS FOR COMPLETING FCC SPECIAL TEMPORARY AUTHORITY APPLICATION

FCC Registration Number	0016412652
Applicant Name	Nokia Solutions and Networks
Applicant Address	6000 Connection Drive Irving, TX 75039
Contact Information	Glenn Steitz (Email: glenn.steitz@nokia.com)
STA Explanation	Nokia is a leading manufacturer of mobile broadband radio equipment, and the grant of the application will allow Nokia to test and demonstrate prototype communication equipment to enhance the company's efforts to design and develop equipment to meet the communications needs of potential users.
Purpose of Operation	Nokia wants to test and demonstrate prototype communication equipment to enhance the company's efforts to design and develop equipment to meet the communications needs of potential users.
Current License Information	N/A
Location of Operation	Nokia proposes to conduct the proposed tests using fixed base station transmitters and antennas located in and 2 km around the following locations: Plano, TX (Nokia building facility) 601 Data Drive, Plano, Tx NL 33-0-28; WL 96-45-34 and Plano, TX (Nokia building facility) 465 Independence Parkway, Plano, TX NL 33-0-17; WL 96-44-55
Equipment Information	Nokia requests authorization to operate in the band 3.7-4.2 GHz. All power levels will comply with the limits set forth in the FCC's rules, including those relating to human exposure to radiation. Nokia proposes to operate using BPSK, QPSK, 16QAM and 64QAM modulation. Transmit bandwidths are 1KHz (pure carrier), 100 MHz, 400 MHz.

The primary emission designators are:

1K00N0N
100MW7W
400MW7W

The equipment is configured to operate at a Maximum Transmit power of 53 dBm EIRP. Nokia will vary the actual powers within the maximums noted above to test coverage results.

The fixed base station transmitter antenna will be located indoors and outdoors at the sites specified above. The antenna elevation above ground level will not exceed 6 meters. Nokia will conduct its demonstrations at each of sites listed above with up to two Access Point stations, within one kilometer of each site, and up to two rack-mounted portable units within 1km radius of each site. Nokia will limit the power, area of operation, and transmitting times to the minimum necessary to evaluate the equipment.

Moreover, Nokia recognizes that the operation of any equipment under experimental authority must not cause harmful interference to authorized facilities, including the facilities of other experimental licensees in this band. Should interference occur, Nokia will take immediate steps to resolve the interference, including if necessary arranging for the discontinuance of operation. Nokia will coordinate with any licensees, if required by FCC rules to manage interference with any existing licensees.

Nokia is not seeking authority to perform a market study under this experimental license. Moreover, no fees will be charged to entities using the equipment during this test. After the test is completed, Nokia will recall and recover all equipment.

Applicant Signature

Glenn Steitz
5G Solutions and Introduction

Confidential Flag

YES

Additional Information

Regarding Confidentiality:

A letter requesting confidentiality must be submitted to the FCC as an exhibit and contain:

- Reference rule sections 0.457 and 0.459 under which the information is to be held confidential
- Specifically identify what information is to be held confidential

- State why the information should be held confidential
- Be signed and dated