

NOKIA

CONNECTING PEOPLE

1101 Connecticut Ave. NW Washington, DC 20036
PH: 202.887.0145 FX: 202.887.0432

May 10, 2000

Federal Communications Commission
Experimental Radio Service
P.O. Box 358320
Pittsburgh, PA 15251-5320

Dear Sir/Madame:

In accordance with Section 5.56 of the Commission's Rules, we request special temporary authority ("STA") to operate a radio facility for the purpose noted below.

The Fee Code for this application is EAE. An authorization of a credit card payment of \$45 and Form 159 are enclosed.

In support of this request, the following is shown:

1. Nokia Wireless Routers, Inc.
313 Fairchild Drive
Mountain View, CA 94043

Attention: Leo R. Fitzsimon
Tel. No.: 202-887-5330

Or

Darren Lancaster
Tel. No.: 650-625-2293

2. Need for Special Action

The STA is requested in order to conduct a trial for a limited market study to assist Nokia in evaluating the market potential for its wireless Internet access product. The trial will also serve to evaluate our networking/protocol algorithms and their suitability for product release.

3. Type of Operation

The system consists of up to 40 stations in a small network configuration, which provides for Internet access to homes and small businesses. Each trial network is to be conducted in combination with customers who intend to provide Internet access services utilizing the system. There will be no more than 7 customer networks of no more than 40 systems per network. No networks will be deployed prior to completion of Part 15 and Class B device testing and submission of the test report to the FCC.

Due to the limited range of the RF utilized in these networks, the overall RF "footprint" of each customer network will not exceed 5 square miles.

4. Purpose of Operation

The system will be used for a market study to evaluate the market potential of the product and to evaluate our networking/protocol algorithms and their suitability for product release.

5. Dates of Operation

The trial is planned to commence June 1, 2000. Shortly following this STA request, Nokia will file a request for an Experimental License under Parts 5.202(j) and 5.206 of the Commission's rules. Therefore, authority for operation of this system pursuant to the instant STA request would only be needed until grant of this companion Experimental License request, if such request is granted by the Commission.

6. Class of Station/Radio Service

The devices used for this test system are designed to operate under Part 15 of the Commission's rules. Shortly following this STA Request, an application for equipment certification will be filed with the Commission.

7. Location of Proposed Operation

The test system will operate in a variety of geographic regions where density is at least 10 homes or small businesses per 1/4 mile. Initially, the test system will operate in Mountain View, CA, San Martin, CA, and Santa Rosa, CA. The specific location of transmitters used for this test system will be kept on file by Nokia as they are deployed during the operation.

8. Equipment to be Used

EACH SYSTEM SHALL CONSIST OF THE FOLLOWING:

- RADIO/ROUTER UNIT
- RF CABLING
- LIGHTNING/SURGE PROTECTION ELEMENT
- ANTENNA (TYPICALLY OMNI-DIRECTIONAL)

- DC INJECTOR AND AMPLIFIER UNITS (OPTIONAL AND USED IN LESS THAN 10% OF THE SYSTEMS)

These systems shall be production versions of the system(s) utilized for FCC testing purposes. The deployment scenarios and antenna combinations utilized in the installations shall be derivatives of the scenarios used for FCC testing. Contracts with each customer will ensure that the customer is aware of their liability to deploy these systems in a manner that is consistent with the scenarios tested for FCC approval.

9. Operating Frequencies Desired

This equipment will operate in the 2.4 - 2.4835 GHz band.

10. Radiated Power

The equipment used for this test system will comply with the power limits contained in Part 15 of the Commission's rules.

11. Type of Emission

The equipment used for this test system will comply with the emission requirements contained in Part 15 of the Commission's rules.

12. Overall Height of Antenna

The highest antenna in this test operation will be less than six meters above the buildings they are mounted on.

13. Eligibility

The applicant manufacturers equipment for wireless routers and wireless Internet access products.

14. Anti-Drug Abuse Certification

The applicant hereby certifies that neither it, its officers and directors, nor any party with a five percent or greater interest in this request for special temporary authority has been convicted of offences consisting of the distribution or possession of controlled substance as such terms are defined in Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. 862.

If there are any questions about this application, please contact the undersigned.

Thank you for your prompt attention to this request.

Respectfully,

A handwritten signature in black ink, appearing to read "Leo R. Fitzsimon". The signature is fluid and cursive, with the first name "Leo" and last name "Fitzsimon" clearly distinguishable.

Leo R. Fitzsimon

Director

Regulatory and Industry Affairs

Nokia Inc.