

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL
(Nature of Service)

WA2XFN
(Call Sign)

XD FX.MO
(Class of station)

S-3060-EX-97
(File number)

NAME NOKIA, INC.

at Nokia Alliance Distribution Center; Ft. Worth, Texas
(Location of station)

Special Temporary Authority is hereby granted to operate the radio transmitting apparatus described below:

Frequency (MHz)	Authorized Power (watts)	Emission Designator	Class
1850 - 1910	0.0025 (ERP)	200KG7W	MO
1930 - 1990	0.0025 (ERP)	200KG7W	FX

Purpose of Operation: Test and demonstration of Nokia GSM 1900 system.

Special Condition: Operation in the 1850-1910 or 1930-1990 MHz band requires prior frequency coordination with 2 GHz microwave users and consent of PCS licensees to avoid interference.

This special temporary authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This special temporary authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control by the Government of the United States conferred by Section 706 of the Communications Act of 1934.

This authorization effective September 23, 1997 and
will expire 3:00 A.M. EST. March 23, 1998



5-3060-EX-97



covering
5 878-87

September 22, 1997

Federal Communications Commission
Common Carrier Land Mobile
P.O. Box 358130
Pittsburgh, PA 15251-5130

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 authorisation of a credit card payment of \$45 and Form 159 are enclosed.

In support of this request, the following is shown:

1. Nokia, Inc.
1850 K Street, NW
Suite 1175
Washington, DC 20006

Attention: Bill Plummer
Tel. No.: 202/887-0570

2. Need for Special Action.

The STA is requested in order for us to demonstrate to industry officials an advanced wireless data application based on Global System Mobile ("GSM") technology described below.

3. Type of Operations.

The system will consist of a low power base station (2.5 mW) operating within the Nokia Alliance Distribution Center. The dwell will communicate with 2.5mW portable radios, again, within the building.

4. Purpose of Operation.

Demonstration of Nokia GSM 900 products.

5. Dates of Operation.

Demonstrations are planned to commence September 23, 1997 and be completed by March 1, 1998.

6. Class of Station/Radio Service.

The station class is FBBS (Base).

The radio Service is Common Carrier Land Mobile (CD)

7. Location of Proposed Operation.

The operation will be conducted at:

Nokia Mobile Phones
5650 Alliance Gateway
Fort Worth, TX 76178
ph:202-887-0145

Geographical Coordinates: 32° 58' 59" N Lat, 97° 14' 28" W Lon

8. Equipment to be Used.

The equipment to be used consists of Nokia's GSM 900 Base Transmitter Stations (BTS) and companion portable transceivers.

9. Frequencies Desired.

<i>Frequency MHz</i>	<i>Authorized Power (watts)</i>	<i>Emission Designator</i>	<i>Class</i>
1850.00000- 1910.00000	1.220W (ERP)	200KG7W	MO
1930.00000- 1990.00000	1K (ERP)	200KG7W	FX

10. Radiated Power

The maximum effective radiated power of the BTS will be 2.5 mW

11. Type of Emission

The emission is 200KG7W

12. Overall Height of Antenna Above Ground

See item 9

13. Eligibility

The applicant manufactures equipment for cellular and PCS systems and subscribers.

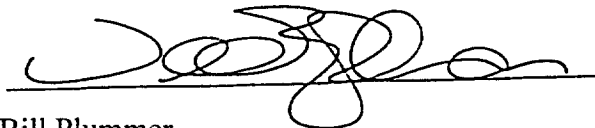
14. Anti-Drug Abuse Certification

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 'Bill Plummer', is written over a horizontal line.

Bill Plummer
Director, Government and Industry Affairs
Nokia, Inc.



1850 K St., N.W. Suite 1175, Washington, D.C. 20006

5-3060-97

September 22, 1997

WAZXFN

Federal Communications Commission
Common Carrier Land Mobile
P.O. Box 358130
Pittsburgh, PA 15251-5130

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 authorisation of a credit card payment of \$45 and Form 159 are enclosed.

In support of this request, the following is shown:

1. Nokia, Inc.
1850 K Street, NW
Suite 1175
Washington, DC 20006

Attention: Bill Plummer
Tel. No.: 202/887-1798

2. Need for Special Action

The STA is requested in order for Nokia's Distribution Center located in Alliance Texas. We will be conducting incoming and outgoing inspections on the 9000 Communicator product and need a GSM 1900 network to complete the tests.

3. Type of Operations

The system will consist of a low power base station (ERP - .0050 watts) operating within the Nokia Alliance Distribution Center. The dwell will communicate with .0050 watt portable radios, again, within the building.

see #10 - 215mW

Amendments to file # 53060-EX-97 which corresponds with our special temporary authority (STA) application filed yesterday:

Item 3 should be amended to read:

"The system will consist of a low power base station (2.5 mW) operating within the Nokia Allicane Distribution Center. The dwell will communicate with 2.5 mW portable radios, again, within the building."

Item 8 should be amended to read:

"The equipment to be used consists of Nokia's GSM1900 Base Transmitter Stations (BTS) and companion portable transceivers."

Item 8a should be inserted as follows:

The portable transceivers in question are the Nokia 9000i's, said equipment which has been FCC approved (FCC ID# GMLRAB-4NX), and other GSM1900 MHz Nokia handsets with appropriate FCC approvals.

Item 9 should be amended to read:

Downlink			
<u>No TX's</u>	<u>Frequency Band</u>	<u>ATT</u>	<u>Ant Ht</u>
2	1930-1990 Mhz	1m	1m
Uplink			
<u>No TX's</u>	<u>Frequency Band</u>		
15	1850-1910 MHz		

Item 9a should be inserted as follows:

"We are aware of and will comply with conditions governing operation in the 1850-1910 or 1930-1990 MHz band which require frequency coordination with 2 GHz microwave users and consent of PCS licensees to avoid interference."

Thank you for your assistance in this matter.

4. Purpose of Operation

The GSM system will be used for quality control testing of its capabilities to industry representatives and consumers.

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soon?*

5. Dates of Operation

The testing of the GSM system is planned to commence September 23, 1997 through March 1, 1997.

6. Class of Station/Radio Service

The station class is FBBS (Base).

The radio Service is Common Carrier Land Mobile (CD)

7. Location of Proposed Operation

The operation will be conducted at:

Nokia Mobile Phones Alliance

5650 Alliance Gateway

Fort Worth, TX 76178

ph: 202-887-0145

Geographical Coordinates: 32-58- 59 N Lat, 97-14-28 W Lon

8. Equipment to be Used

The equipment to be used consists of Nokia's new line of GSM 900 Base Transmitter Stations (BTS) and the companion portable transceivers.

1900

9. No. TX's & Frequencies Desired

Downlink

No. TX's

1

Frequency Band

1850-1910 MHz

AAT

1 m

Ant Ht

1 m

Uplink

No. TX's

10

Frequency Band

1930-1990 MHz

10. Radiated Power

The maximum effective radiated power of the BTS will be 2.5 mW

11. Type of Emission

The emission is 200KG7W

12. Overall Height of Antenna Above Ground

See item 9

13. Eligibility

The applicant manufacturers equipment for cellular and PCS systems and subscribers.

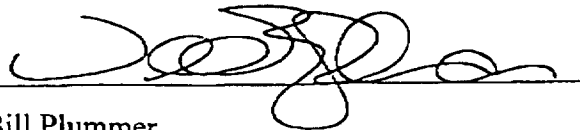
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If there are any questions about this application, please contact the undersigned.

Thank you for your prompt attention to this request.

Respectfully,

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Bill Plummer
Director, Government and Industry Affairs
Nokia, Inc.

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**FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF ENGINEERING AND TECHNOLOGY**

2000 M STREET, N.W., SUITE 230
WASHINGTON, D.C. 20554

September 23, 1997 4 25 pm

FROM: Carl Huie

Telephone: (202) 418-2430
Fax #: (202) 418-1918

TO:

Name: Bill Plummer
Organization: NOKIA TELECOMMUNICATIONS, INC.
Telephone: (202) 887-0145 x
Fax #: (202) 887-0432

This cover sheet is page 1 of 2 pages

COMMENTS:

Authorization will be mailed after receipt of original application.