

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-3161-EX-98
(File number)

NAME NOKIA, INC.

at CTIA Trade Show; Georgia World Congress Center; Atlanta, GA
(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
1890 - 1891	0.0025 (ERP)	200KG7W	MO
1970 - 1971	0.0025 (ERP)	200KG7W	FX

Purpose of Operation: Test and demonstration of Nokia Flexitalk 1900.

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 February 20, 1998 and
will expire 3:00 A.M. EST. February 27, 1998



S-3161-EX-98

NOKIA

CONNECTING PEOPLE

1850 K St. NW, Suite 1175, Washington, D.C. 20006
PH: 202.887.0145 FX: 202.887.0432

January 9, 1998

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

In support of this request, the following is shown:

1. Nokia Telecommunications Inc.
7 Village Cr., Westlake, TX 76262

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

2. Need for Special Action
The STA is requested in order to demonstrate to industry officials an advanced wireless PCS 1900 system at the CTIA trade show in the Georgia World Congress Center in Atlanta, Georgia on February 20-26, 1998.
3. Type of Operation
Network system will consist of a low power base station (2.5 mW) operating within the CTIA Convention - Georgia World Congress Center. The base station will communicate with 2.5 mW portable radios, again, within the Georgia World Congress Center.

4. Purpose of Operation

The GSM system will be used for marketing and demonstration of its capabilities to industry representatives and consumers.

5. Dates of Operation

The demonstrations are planned to commence February 20, 1998 and be completed by February 26, 1998.

6. Class of Station/Radio Service

Class of Station/Radio Service

FBBS (Base)/Common Carrier Land Mobile (CD)

7. Location of Proposed Operation

Site	Geographical Coordinates:
Georgia World Congress Center 285 International Blvd., NW Atlanta, GA 30313-1519	Latitude: 33.758201 Longitude: -84.396350

8. Equipment to be Used

The equipment to be used consists of Nokia's Flexitalk 1900 base station and a maximum of (20) companion portable transceivers.

9. No. TX's & Frequencies Desired

Frequencies desired

1850 - 1910 MHz (uplink) from MS to BTS
1930 - 1990 Mhz (downlink) from BTS to MS

amended to block "F" (laid)

> laid

10. Radiated Power

The maximum radiated power (EIRP) will not exceed limit of 2.5mW..

11. Type of Emission

The emission is according to PCS/GSM 1900 specifications.

12. Overall Height of Antenna and

Less than six meters

*1850-91
1930-71*

13. Eligibility

The applicant manufacturers 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 be 'Bill Plummer', with a large, stylized initial 'B'.

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



1850 K St. NW, Suite 1175, Washington, D.C. 20006
PH: 202.887.0145 FX: 202.887.0432

January 9, 1998

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

In support of this request, the following is shown:

1. Nokia Telecommunications Inc.
7 Village Cr., Westlake, TX 76262

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

2. Need for Special Action
The STA is requested in order to demonstrate to industry officials an advanced wireless PCS 1900 system at the CTIA trade show in the Georgia World Congress Center in Atlanta, Georgia on February 20-26, 1998.

3. Type of Operation
Temporary in-building PCS operation utilizing TDMA/GSM 1900 technology. Network system will consist of a low power base station (2.5 mW) operating within the CTIA Convention - Georgia World Congress Center. The base station will communicate with 2.5 mW portable radios, again, within the Georgia World Congress Center.

peruclaudia

4. Purpose of Operation

The GSM system will be used for marketing and demonstration of its capabilities to industry representatives and consumers.

5. Dates of Operation

The demonstrations are planned to commence February 20, 1998 and be completed by February 26, 1998.

6. Class of Station/Radio Service

Class of Station/Radio Service

FBBS (Base)/Common Carrier Land Mobile (CD)

7. Location of Proposed Operation

Site	Geographical Coordinates:
Georgia World Congress Center 285 International Blvd., NW Atlanta, GA 30313-1519	Latitude (N): 33-45-29.5 Longitude (W): -84-23-46.9

8. Equipment to be Used

The equipment to be used consists of Nokia's Flexitalk 1900 base station and a maximum of (20) companion portable transceivers.

9. No. TX's & Frequencies Desired

Frequencies (MHz) Base/Mobile	AMSL(m)	EIRP(dBm)	Bandwidth
1970.00 - 1971.00	308	28	200 kHz
1890.00 - 1891.00			

10. Radiated Power

The maximum radiated power (EIRP) will not exceed limit of 2.5mW

11. Type of Emission

The emission is according to PCS/GSM 1900 specifications.

12. Overall Height of Antenna and

Less than six meters

*Dis. Antenna off
BTX 6
Transmit
at 1970*

"F"

631 mW
4
2



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

FACSIMILE COVER

01/22/98 3:42 PM

To: Carl Huie

FROM: Claudia Cheek

PHONE: 202-418-2430

PHONE: 202-887-0145

FAX: 202-418-1918

FAX: 202-887-0432

NUMBER OF PAGES FOLLOWING: *Three*

REGARDING:

Please review our STA ammendment for Nokia's temporary in-building PCS operation for the CTIA Wireless 98 show.

Bill Plummer can be reached directly at 202-887-0570.

Thank you.

13. Eligibility

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

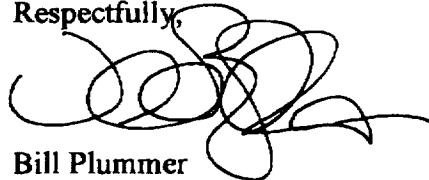
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If there are any questions about this application, please contact the undersigned.

Thank you for your prompt attention to this request.

Respectfully,

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

FACSIMILE MESSAGE

FACSIMILE MESSAGE

FACSIMILE MESSAGE



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

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

January 23, 1998 9 13 am

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 in mail.