

**Federal Communications Commission
Washington, D.C. 20554**

January 5, 1998

Ms Kimberly Alexander
NORTHERN TELECOM, INC.
2221 Lakeside Blvd. MS991/14/A30
Richardson, TX 75082

Dear Ms Alexander:

This refers to application, File No. S-3138-EX-97, for special temporary authorization.

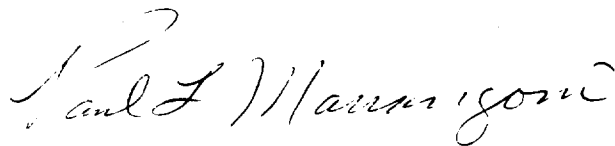
Recently, the Commission revised Part 2, Subpart I of the FCC Rules. It is no longer necessary to obtain an Experimental Radio license to activate or display devices designed to comply with Part 15 rules. Further, these devices may be demonstrated at trade shows or at business, commercial, industrial, scientific, or medical locations provided the device is accompanied by a conspicuous notice worded as follows:

*This device has not been authorized as required by the rules of the
Federal Communications Commission. This device is not, and may not be,
offered for sale or lease, or sold or leased, until authorization is obtained.*

For the complete text of the revised rules, please refer to the Report and Order in *Revision of Part 2 of the Commission's Rules Relating to the Marketing and Authorization of Radio Frequency Devices*, ET Docket No. 94-45, released February 12, 1997.

Your application fee will be returned to you.

Sincerely,

A handwritten signature in cursive script, reading "Paul L. Marrangoni".

Paul L. Marrangoni
Chief
Experimental Licensing Branch

attachment:

5-3138-EX-97

NORTEL

Wireless Networks

December 17, 1997

sent via federal express
and via fax 202-418-1918

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

**Re: Special Temporary Authorization
Application for Nationwide STA
for the United States and its Possessions**

Dear Mr. Huie,

Northern Telecom, Inc. hereinafter referred to as "Nortel", wishes to apply for a Nationwide Special Temporary Authorization (STA) to operate its **FWA Multimedia Product** in the 5.772 GHz and 5.250 GHz bandwidth. Authority is requested for designated **territories in the Continental United States and Its Possessions**. Nortel is requesting this STA per the requirements and guidelines set forth in 47 CFR §5.55 and §5.56.

Name and Address: Kimberly Alexander
Licensing & Research Specialist
Northern Telecom, Inc.
2221 Lakeside Blvd. MS991/14/A30
Richardson, Texas 75082
Phone: (972) 684-7004
Fax: (972) 685-3478

The STA is required for demonstrations of broadband wireless technology to accommodate Field Trails, technical demonstrations of equipment or techniques and for demonstrations of equipment to prospective purchasers for proposed stations in existing service by persons engaged in the business of selling radio equipment. This will be used for field trails only to customers and distributors and not offered for sale.

The class of station is Fixed/Base, the Call Sign is to be assigned by the FCC, and the nature of service is data transmission only.

The equipment is to be used for demonstration at various locations using Nortel's FWA Multimedia product. Below is the frequency, power, type and bandwidth information requested:

Frequency: uplink 5.250 GHz / downlink 5.772 GHz
Max Power from transmitter: -27dbW *2mW*
Max Power from antenna: -17dbW *20mW (est)*
Type: Broadband DQPSK modulation/TDMA access
Bandwidth: 15 MHz

*unlike NII
14.25 ?
A yb
T/A ? no*

The duration of the Special Temporary Authorization is proposed and needed for a six-month period beginning January 6, 1998.

Please call me at (972) 684-7004 in the event you should have any questions concerning this Application. The original and two copies of this Application and fee processing form with credit card payment, has been sent by express courier to the FCC, c/o The Mellon Bank, 3 Mellon Bank Center, 27th Floor, Room 153-2713, 525 William Penn Way, Pittsburgh, PA 15259-0001, Attn: Wholesale Lockbox Shift Supervisor, Phone (412) 234-5494.

Please FAX the Special Temporary Authorization to me at (972) 685-3478. A copy of the original will then be forwarded to Mr. Raymond L. Strassburger, Director of Government Relations, Telecommunications Policy, Northern Telecom, Inc., 801 Pennsylvania Avenue, N.W., Suite 700, Washington, D.C. 20004, Phone (202) 347-4610, as well as all the appropriate parties involved with field trials and or demonstrations.

Your assistance on such short notice is greatly appreciated.

Very truly yours,



Kimberly Alexander
Licensing & Research Specialist
Wireless Networks
2221 Lakeside Blvd, MS 991/14/A30
Richardson, Texas 75082

cc: Raymond L. Strassburger
Patrick Tao

(Reserved)

Federal Communications Commission

Approved by OMB
3080-0589
Expires 2/28/97

FCC REMITTANCE ADVICE

12-19-97 1 OF 8320888 001

SPECIAL

FCC USE ONLY

FCC/MEILLON DEC 18 1997

(Read instructions carefully BEFORE proceeding)

PAYOR INFORMATION

(1) FCC ACCOUNT NUMBER

4 0 3 2 3 2 4 0 1 6

Did you have a number prior to this? Enter it

(2) TOTAL AMOUNT PAID (dollars and cents)

\$ 45000

(3) PAYOR NAME (If paying by credit card, enter name exactly as it appears on your card)

Northern Telecom, Inc. (Debbie Schnell)

(4) STREET ADDRESS LINE NO. 1

2221 Lakeside Blvd. MS991-14-A30

(5) STREET ADDRESS LINE NO. 2

(6) CITY

Richardson

(7) STATE

Texas

(8) COUNTRY CODE (If not U.S.A.)

75082-4399

(9) DAYTIME TELEPHONE NUMBER (Include area code) (214)684-7004

(10) country code (if not U.S.A.)

ITEM #1 INFORMATION

(11A) NAME OF APPLICANT, LICENSEE, REGULATEE, OR DEBTOR

Northern Telecom Inc.

FCC USE ONLY

(12A) FCC CALL SIGN/OTHER ID

AB6

(13A) ZIP CODE

75082-4399

(14A) PAYMENT TYPE CODE

E A E

(15A) QUANTITY

1

(16A) FEE DUE FOR
PAYMENT TYPE
CODE
IN BLOCK 14
\$45.00

(17A) FCC CODE 1

(18A) FCC CODE 2

(19B) ADDRESS LINE NO. 1

(20B) ADDRESS LINE NO. 2

(21B) CITY/STATE OR COUNTRY CODE

ITEM #2 INFORMATION

(11A) NAME OF APPLICANT, LICENSEE, REGULATEE, OR DEBTOR

FCC USE ONLY

(12A) FCC CALL SIGN/OTHER ID

(13A) ZIP CODE

(14A) PAYMENT TYPE CODE

(15A) QUANTITY

(16B) FEE DUE FOR
PAYMENT TYPE
CODE
IN BLOCK 14
\$

(17A) FCC CODE 1

(18A) FCC CODE 2

(19B) ADDRESS LINE NO. 1

(20B) ADDRESS LINE NO. 2

(21B) CITY/STATE OR COUNTRY CODE

CREDIT CARD PAYMENT INFORMATION

(22)

PAID BY CREDIT CARD