

2221 Lakeside Blvd., Richardson, TX 75082

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL
(Nature of Service)

K O 2 X E U
(Call Sign)

XD MO
(Class of station)

S-1710-EX-94
(File number)

NAME BNR INC./NORTHERN TELECOM

Vicinity of OMNI Mandalay Hotel, Irving, TX
(Location of station)

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

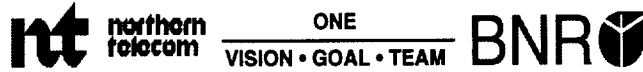
Frequency MHz	Authorized Power (watts)	Emission Designator
824-849	600 milliwatts	40K0F3E/F7D
869-894	1 (output)	40K0F3E/F7D

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 November 1, 1994 and
will expire 3:00 A.M. EST. November 2, 1994





October 3, 1994

KO2XEU

Mr. H. Franklin Wright
Frequency Liaison Branch Chief
Federal Communications Commission
2025 M Street
Washington, DC 20554

Subject: Special Temporary Authorization
Microcell Product Demonstration
Northern Telecom Wireless Marketing Forum

Dear Mr. Wright:

BNR INC./Northern Telecom hereby requests special temporary authorization to demonstrate our Microcell product at the Northern Telecom Wireless Marketing Forum. The forum will be held on Tuesday, **November 1, 1994**, 8:00a.m. to 5:00p.m. at the OMNI Mandalay Hotel, 221 East Las Colinas Blvd., Irving, Texas 75039, (214) 556-0800. The OMNI's latitude is 32° 52' 4" North, and longitude is 96° 56' 20" West.

The forum topic, "Marketing Microcellular," includes a microcell voice demonstration. Mobile handsets, pre-tuned to frequencies licensed by a "B" cellular provider, will be available for customers to experience the voice quality provided by Northern Telecom's Microcell. The purpose of this demonstration is to reveal to the customer the quality available on a microcell, as well as communicating the different areas a microcell can be applied. The demonstration will be completed in an enclosed area of 25W x 38L x 15H.

Attached is a September 26, 1994, letter from Southwestern Bell Mobile Systems supporting the Marketing Forum Microcell Demonstration. They have allocated the following channels on November 1st: 378, 399, 420, 441, 418, 439, 565, 586. It is important that the use of frequencies in the cellular band avoid co-channel and adjacent channel interference. RF output will be less than 50 milliwatts, broadcasting standard AMPS cellular signaling. A special temporary authorization is needed because BNR INC's. current Experimental Radio License for Microcell Testing and Demonstration (Call sign: KO2XEU, File number: 3545-EX-PL-93) does not include the above latitude and longitude coordinates.

The Microcell demonstration equipment consists of several hand-held mobile phones, and one Northern Telecom Microcell Base Station. The base station dimension's are 10"W x 20"H x 22"D, and the antenna will be mounted inside on the wall approximately 10' from the ground.

Please call me at (202) 508-3605 in the event that you have any questions concerning this application. Should you desire to reach me by FAX, the number is (202) 508-3612. A cashier's check, in the amount of \$45.00, has been sent by express mail to The Mellon Bank, 3 Mellon Bank Center, Room 153-2713, Pittsburgh, PA., 15259, Attn: Wanda Jordan (Phone 412-234-5494).

Very truly yours,

A handwritten signature in cursive script that reads "Raymond Strassburger".

Raymond L. Strassburger
Director Government Relations, Telecommunications Policy

Attached: FCC Form 159, Southwestern Bell Mobile Systems letter

 Southwestern Bell Mobile Systems

"The One to Call On"

September 26, 1994

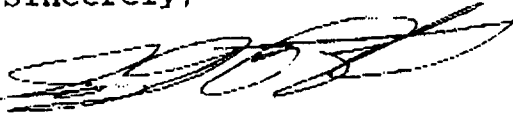
Ms. Amy Stringfellow
Northern Telecom
2435 N. Central Expressway
Richardson, Texas 75080

Dear Ms. Stringfellow:

I have reviewed the RF Channel plan for the area around the OMNI Mandalay Hotel in Las Colinas. The following channels should be available for the indoor microcell demonstration scheduled for Wednesday November 1, 1994: 378,399,420,441,418,439,565,586.

The use of these channels is subject to the appropriate FCC notifications and filings and which, Northern Telecom will provide to SBMS copies of the authorizations prior to the operations. If you require additional information, or happen to experience problems with these RF channels, you can reach me at (214) 364-2667.

Sincerely,



Jerry A. LaBerteaux
System Design Manager

15660 Dallas Parkway
Suite 1300
Lock Box 15
Dallas, Texas 75248-6615

Phone 214 /74-0000