

0158-EX-ST-2001

# NORTEL NETWORKS

Nortel Networks Corporation  
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Paul Krebs  
U.S. Spectrum  
Regulations

April 4, 2001

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

## **RE: Special Temporary Authorization Application (STA) – Experimental**

Nortel Networks hereinafter referred to as "Nortel", wished to apply for an Experimental STA, to demonstrate **Nortel's Broadband Wireless Access (BWA)** product, this is a fixed campus situation that operates at frequencies, please see next page and Exhibit 1 attached for details. Authority is requested for designated Nortel Broadband Wireless Access in vicinity of Richardson, TX, for one year beyond date of approval. Nortel is requesting this experimental STA per the requirements and guidelines set forth in 47 CFR §5.55 and §5.56.

### Nortel's Point of Contact:

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U.S. Spectrum Regulations  
Nortel Networks  
2201 Lakeside Blvd.  
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The experimental STA is required for demonstration of the Broadband Wireless Access product. Due to the currently banded product and U.S. frequency allocation, this product will be used to demonstrate the capabilities of the technology to prospective customers and would not be offered for sale.

The class of station is fixed, and the nature of service is Telephony and Data Transmission.

Antennas will not extend more than 6 meters above a building.

Product description:

BTS Information:

**BTS Output Power:** 320 watts EIRP

**Station Class:** FX

**Frequency:**

37.0 – 40.0 GHz

21.2 – 23.6 GHz

24.745 – 24.941 GHz

25.753-- 25.949 GHz

**Emission Type:** 6M00D7W

**Location:** Please see Exhibit 1 for transmission locations.

**Antenna Height:** Mounted on rooftops. Maximum height of 200 feet AGL.

**BTS Antenna Gain:** 36 dBi

**User Point of Contact:** Mark Loewen: 972--740-4103 (cellular)

**Please FAX the Special Temporary Authorization to me at 972-684-3775.**

Please call me at (972) 685-7123 in the event you should have any questions concerning this Application. The original 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, 27<sup>th</sup> Floor, Room 153-2713, 525 William Penn Way, Pittsburgh, PA 15259-0001, Attn: Wholesale Lockbox Shift Supervisor, Phone: (412) 234-5494.

Your assistance is greatly appreciated.



Paul Krebs

U.S. Spectrum Regulations

Wireless System Engineering