0544-EX-ST-2000

NORTEL NETWORKS

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Lisa Gregorski
U.S. Spectrum
Regulations

November 10, 2000

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 BWA** product, this is a fixed point-to-multipoint campus situation that operates at frequencies 25.25 – 26.68 GHz, please see next page for more details. Authority is requested for designated Nortel Broadband Wireless Access in Richardson, TX, for one year beyond date of approval (Dec '00 to Dec '01). 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:

Lisa Gregorski
U.S. Spectrum Regulations
Nortel Networks
2201 Lakeside Blvd.
Richardson, TX 75082
Phone: (972) 684-2369
Fax: (972) 685-3505

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. This will be a fixed point-to-multipoint service.

The class of station is fixed point-to-multipoint, the call sign is to be assigned by the FCC, and the nature of service is Telephony and Data Transmission.

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

A product description is described:

BTS Information:

BTS Output Power: 35 ERP
Station Class: FX
Frequency*:
25.25 – 26.68 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: 23 dBi

* It is understood that the frequencies requested above are not allocated in the United States for Fixed service. The frequencies will be used in a point-to-multipoint campus situation. Please see Exhibit 1 for locations the frequencies may be transmitted to and from. With approved frequency authorization, this STA will be added to the BWA Richardson Vicinity Experimental License (pending approval).

The STA duration of the Special Temporary Authorization is proposed and needed for a **period beginning December 1, 2000 thru December 1, 2001. Please FAX the Special Temporary Authorization to me at 972-685-3505.**

Please call me at (972) 684-2369 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, 27th 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.

Lisa A. Gregorski

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U.S. Spectrum Regulations
Wireless Carrier Solutions

Exhibit 1

All the following locations are in Richardson, Texas, 75082

BTR	Coordinates									
	Direction	Degrees	Minutes	Seconds						
1460 Glenville	N	32	57	54.1	A	S/N	NNTM532H40C3	TXGN	32.32	RXGN 27.46
	W	96	42	11.0	B	S/N	NNTM532H40KA	TXGN	32.43	RXGN 27.52
2050 Greenville	N	32	58	39.7	A	S/N	NNTM532GM8VE	TXGN	32.03	RXGN 28.57
	W	96	42	33.6	B	S/N	NNTM532GLLQJ	TXGN	31.59	RXGN 27.83
2350 Greenville	N	32	58	39.7	A	S/N	NNTM532GM2T3	TXGN	31.88	RXGN 27.83
	W	96	42	33.6	B	S/N	NNTM532GLR76	TXGN	31.87	RXGN 28.69
Sector A	N	32	58	82.0	A	S/N	NNTM532H3P8M	TXGN	32.19	RXGN 29.15
90 degree sector	W	96	42	66.2	B	S/N	NNTM536M9MKF	TXGN	31.87	RXGN 27.95
Sector B	N	32	58	79.3	A	S/N	NNTM532H3QU9	TXGN	32.40	RXGN 28.34
90 degree sector	W	96	42	64.9	B	S/N	NNTM532H4H08	TXGN	32.46	RXGN 27.94
Sector C	N	32	58	79.4	A	S/N	NNTM532H3P4H	TXGN	32.81	RXGN 28.69
15 degree sector	W	96	42	66.0	B	S/N	NNTM532H3R9Q	TXGN	31.90	RXGN 27.35
Sector D	N	32	58	79.4	A	S/N	NNTM532H3R4K	TXGN	32.25	RXGN 27.42
90 degree sector	W	96	42	66.0	B	S/N	NNTM532H3RCV	TXGN	32.24	RXGN 28.37
2400 Lakeside	N	32	58	54.6	A	S/N	NNTM532H4FHP	TXGN	31.53	RXGN 28.06
	W	96	42	40.9	B	S/N	NNTM532H4FEL	TXGN	31.73	RXGN 28.52
2350 Lakeside	N	32	58	52.6	A&B	S/N	NNTM532GLR76	TXGN	31.87	RXGN 28.69
	W	96	42	35.1						
2050 Greenville	N	32	58	39.7	A	S/N		TXGN		RXGN
	W	96	42	33.6	B	S/N	NNTM532GLLQJ	TXGN	31.59	RXGN 27.83
2100 Lakeside	N	32	58	39.6	A	S/N	NNTM532GLL4X	TXGN	31.66	RXGN 27.34
	W	96	42	42.8	B	S/N	NNTM532H48WV	TXGN	32.46	RXGN 27.89
2021 Lakeside	N	32	58	38.6	A	S/N	NNTM532GM31D	TXGN	32.59	RXGN 27.89
	W	96	42	43.8	B	S/N	NNTM532H484T	TXGN	31.83	RXGN 28.17
1380 Presidential	N	32	57	51.7	A	S/N	NNTM532GLHVK	TXGN	31.92	RXGN 28.42
	W	96	42	8.9	B	S/N	NNTM532GLHUK	TXGN	31.92	RXGN 28.42
1460 Glenville	N	32	57	54.1						
	W	96	42	11.0						