

**NORTEL
NETWORKS**

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Lisa Gregorski
U.S. Spectrum
Regulations

September 29, 2000

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

RE: Special Temporary Authorization Application STA

Nortel Networks hereinafter referred to as "Nortel", wished to apply for an STA to demonstrate Nortel's UMTS product at frequencies 1960.0 – 1980 MHz and 2150.0 – 2170.0 MHz, presently we only need one frequency, please see next page for more details. Authority is requested for designated OnStar Wireless 2001 Autoshow in Detroit and Milford, Michigan, 1 December 2000 – 1 February 2001. Nortel is requesting this 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 STA is required for demonstration of 3G technology. 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 point-to-multipoint service.

Note: This STA is required for two locations. See next page for further details.

The class of station is Mobile/Fixed, 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 8 meters above the ground, nor will it extend more than 6 meters above a building.

A product description is described:

Mobile In-Vehicle Information Solution:

MS Output Power: 1W(30dBm)

Station Class: MO

Frequency Options (in order of preference):

Up 1965-1970 MHz	Dn 2155-2160 MHz
Up 1960-1965 MHz	Dn 2150-2155 MHz
Up 1970-1975 MHz	Dn 2160-2165 MHz
Up 1975-1980 MHz	Dn 2165-2170 MHz

Mobile Antenna Gain: 0dBi

Location 1: Cobo Hall; Convention & Exhibition Center, One Washington Blvd., Detroit, Michigan, 48226

Lat.: 42.327°N **Long.:** 83.049°W

Mobile Radius: Vehicle will be traveling within a mobile radius of 3 km of the General Motors Milford Proving Ground

Location 2: General Motors Milford Proving Ground, 3300 General Motors Road, Milford, Michigan, 48380-3726

Lat.: 42.594°N **Long.:** 83.599°W

Mobile Radius: Vehicle will be traveling within a mobile radius of 3 km of the General Motors Milford Proving Ground

Point of Contact at Mobile site: Bob Mani, cellular: 416-801-5314

BTS Information:

BTS Output Power: 20W

Station Class: FX

Frequency Options (in order of preference):

Up 1965-1970 MHz	Dn 2155-2160 MHz
Up 1960-1965 MHz	Dn 2150-2155 MHz
Up 1970-1975 MHz	Dn 2160-2165 MHz
Up 1975-1980 MHz	Dn 2165-2170 MHz

Emission Type: 5M00F2W

Location 1: Cobo Hall; Convention & Exhibition Center, One Washington Blvd., Detroit, Michigan, 48226

Lat.: 42.327°N **Long.:** 83.049°W

Location 2: General Motors Milford Proving Ground, 3300 General Motors Road, Milford, Michigan, 48380-3726

Lat.: 42.594°N **Long.:** 83.599°W

Antenna Height: 10 ft AGL

BTS Antenna Gain: 12 dBi

Sectors: 1 (Omni)

Power EIRP: 55dBm

Note: Demo will be from the Base Station to an In-Vehicle Mobile Station, vehicle will be traveling within a mobile radius of 3 km of the General Motors Milford Proving Ground and/or the Cobo Hall; Convention & Exhibition Center.

The STA duration of the Special Temporary Authorization is proposed and needed for a period beginning December 1, 2000 thru February 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.

A handwritten signature in cursive script that reads "Lisa Gregorski".

Lisa Gregorski
U.S. Spectrum Regulations
Wireless Carrier Solutions