

NARRATIVE STATEMENT

Pursuant to Section 5.61 of the Commission's rules, 47 C.F.R. §5.61 (2004), **Nokia Siemens Networks** hereby respectfully requests special temporary authority ("STA") to conduct interoperability testing of its 1.7/1.9/2.1 GHz UMTS/GSM handsets and 2G-3G core network equipment.

In support of this request, the following is shown:

1) **Applicant's Name, Address, and FCC Registration Number ("FRN"):**

Nokia Siemens Networks
1401 K ST. NW Suite 450
Washington, DC 20005
FRN: 0006077051

2) **Need for Special Temporary Authority/Experimental License:**

Nokia Siemens Networks needs access to AWS spectrum to conduct interoperability testing of its 1.7/1.9/2.1 GHz UMTS/GSM handsets and 2G-3G core network equipment. Testing will also include the transmission of voice, video, and data using UMTS technology and equipment for Advanced Wireless Services (AWS).

3) **Description of Operation and Purpose of Test:**

The additional AWS UMTS overlay needs to be integrated with the existing T-Mobile PCS GSM wireless network. The operational testing will include end to end statistical and drive test verification of all aspects of both T-Mobile networks

4) **Dates of Operation:**

August 20, 2007 through February 19, 2008

5) **Class of Station:**

XD FXMO
Fixed and mobile operations within a 5km radius centered at:
47.861762N and -122.278532W

6) Location(s) of Proposed Operations:

Site #	Adress	City	State	zip	lat	lon
SE01670E	828 148th Street SW	Lynnwood	WA	98037	47.8639	-122.245
SE01560C	5605 140th Street SW	Edmonds	WA	98026	47.8713	-122.31
SE01400B	14920 Hwy 99	Lynnwood	WA	98037	47.8628	-122.285
SE01401B	16920 Hwy 99	Lynnwood	WA	98037	47.8456	-122.297
SE01671G	2820 164th St SW	Lynnwood	WA	98037	47.8493	-122.273
SE01683F	1222 164th St SW	Lynnwood	WA	98037	47.8484	-122.248
SE03130A	13927 Hwy 99	Lynnwood	WA	98037	47.8714	-122.275

7) Equipment to Be Used:

Nokia Flexi WCDMA base station. Will include 1 transmitter per sector, each site location will contain three sectors. Handset will consist of the Samsung SGH-T639 or similar UMTS/GSM handsets.

8) Frequencies Desired:

AWS F2 block: 2150 – 2155 MHz and 1750 – 1755 MHz
Both 2.1 GHz and 1.7GHz spectrum use are compliant with 47 CFR 27.53(g)

9) Power Levels:

For 2.1 GHz the maximum transmit power is 40 W per sector. Peak ERP for each sector is 794 W.

For 1.7 GHz the maximum transmit power is 0.234 W per mobile handset. Peak ERP for each mobile handset is 0.250 W.

10) Type of Emission, Modulation Technique, and Bandwidth Required:

UMTS WCDMA air interface will be utilized with the modulation scheme of QPSK. The bandwidth is 5MHz.

Emission Designator is 5MOOF9W

11) Overall Height of Antenna(s) Above Ground:

Existing wireless communication facilities will be utilized, FAA approvals have already been obtained. The average height for the antennas at the locations in item #6 above is 99 feet.

12) Other Matters:

NSN agrees to the following special conditions:

Licensee will ensure that a “hot line” telephone number is available, and staffed, for all periods when experimental operations are taking place. The person at this hot line number will have the capability to suspend the experimental operations in real-time, in the event that a TV BAS licensee reports harmful interference to its operations.

The stop buzzer cell phone number provided by NSN are available 24/7 if operations need to be shut down.

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13) Contact Information:

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