

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:

NSN 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 ID	Address	City	State	Zipcode	Lat	Lon
DA01226C	3100 Dallas Parkway	Plano	TX	75093	33.0422	-96.8285
DA01237B	6495 Bronze Leaf	Plano	TX	75023	33.0606	-96.7599
DA01245A	7676 Rasor Road	Plano	TX	75024	33.0819	-96.7884
DA01246A	325 S Custer Road	Allen	TX	75002	33.0959	-96.7316
DA01250A	8860 Tomilin Drive	Frisco	TX	75034	33.1485	-96.808
DA01257B	14197 King Rd.	Frisco	TX	75034	33.1538	-96.895
DA01271A	5033 Clover Valley	The Colony	TX	75056	33.0847	-96.8847
DA01272B	6401 Windcrest Dr.	Plano	TX	75024	33.0617	-96.8073
DA01275B	3966 Parkwood Blvd.	Frisco	TX	75034	33.1118	-96.8144
DA01312D	6301 Tennyson Parkway	Plano	TX	75024	33.0731	-96.8323
DA01343D	5700 Chesapeake	The Colony	TX	75056	33.0867	-96.8656
DA01344C	4665 McDermott	Plano	TX	75024	33.0969	-96.7872
DA01350A	5845 McKamy Trail	Plano	TX	75024	33.0555	-96.8278
DA01352B	6501 Hillcrest	Frisco	TX	75035	33.1309	-96.7869
DA01353B	4040 Preston Road	Plano	TX	75093	33.0519	-96.7933
DA01354A	6658 Cedar Lane	Frisco	TX	75034	33.1169	-96.9033
DA01364A	6206 Dallas North Parkway	Frisco	TX	75034	33.1293	-96.823
DA01366C	5800 Granite Pkwy	Plano	TX	75024	33.0875	-96.8211
DA01391A	10222 Rowlett Cemetery Road	Plano	TX	75002	33.1199	-96.7343
DA01393A	6853 Coit Road	Plano	TX	75024	33.0697	-96.7724
DA01396C	6950 Stadium Drive	Frisco	TX	75034	33.1589	-96.8234
DA01398D	11335 FM-720	Frisco	TX	73035	33.1522	-96.7806
DA01419A	3000 D Legacy Drive	Frisco	TX	75034	33.1042	-96.8394
DA01437D	4401 Coit Road	Frisco	TX	75035	33.113	-96.771
DA01946A	7668 Warren Parkway (911)	Frisco	TX	75034	33.1073	-96.819

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 F1 block: 2145 – 2150 MHz and 1745 – 1750 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 102 feet.

12) **Other Matters:**

Nokia Siemens Networks 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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