



Special Temporary Authority

December 17, 2002

Federal Communications Commission
Experimental Radio Service
PO Box 358320
Pittsburgh, PA 15321-5320

Samsung Telecommunications America
1130 E Arapaho Rd.
Richardson, TX 75081

To Whom It May Concern:

On Behalf of Samsung America, I would like to request a Special Temporary Authority to permit the addition of 2 broadcast frequencies for two test cell sites (Tri sectored, Model M_BTS), each equipped with a Samsung base station on existing buildings. Samsung will use these frequencies for conducting cell site and handset equipment testing and demonstration. The dates of operation at these frequencies commence on Thursday, December 19, 2002 and ending on Thursday, June 19, 2003. We have permission from SPCS. The letter of authorization will be faxed.

The call sign is WA2XVA. Antennas will not exceed more than 6 meters above the building rooftops. The base stations will be transmitting a CDMA signal at center frequency of 1958.65 MHz and 1959.90 MHz. The mobiles will be transmitting at 1878.65 MHz and 1879.90 MHz in the PCS spectrum. The cell sites will be utilized to verify mobile to base station layer 3 messaging as per J-STD-008 and IS-2000.

The Samsung base station provides the radio interface between the mobile PCS users and the Base station Controller (BSC) and the Mobile Switching Center. In the forward link, the base station receives data from the BSC, modulates the signal, up converts to 1958.65/1959.90 MHz, and transmits the signal to the mobiles. In the reverse link, the base station receives the 1878.65/1879.90 MHz signal from the mobile, down converts, demodulates, and sends the data to the BSC. Each base stations includes a duplexed transmitting/receiving antenna for each sector. The Base Station communicates with the BSC via an unchannelized T1 trunk.

Some of the characteristics of the cell sites are as given below:

Location (City & State)	Longitude (NAD 83)	Latitude (NAD 83)	Antenna Height	EIRP (Max)
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1130 East Arapaho Road, Richardson, TX 75081
Phone: 972-761-7000, Fax: 972-761-7470

Richardson, TX	96 42 25.2	32 57 35.8	30 meters	55 dBm
Plano, TX	96 41 32.0	33 00 27.8	10 meters	55 dBm

Thank you,

Michael Nunez

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Samsung Telecommunications America

Philip Sohn

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Samsung Telecommunications America