



ELECTRONICS

September 24, 2001

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 4 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, September 20, 2001 and ending on Thursday, December 20, 2001.

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 1957.5 MHz and 1958.75 MHz. The mobiles will be transmitting at 1877.5 MHz and 1878.75 in the PCS spectrum. The cell sites will be utilized to verify mobile to base station layer 3 messaging as per J-STD-008.

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 1957.5 MHz and 1958.75 MHz, and transmits the signal to the mobiles. In the reverse link, the base station receives the 1877.5 MHz and 1878.75 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.

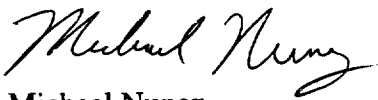
Some of the characteristics of the cell sites are as given below:

Location (City & State)	Longitude (NAD 83)	Latitude (NAD 83)	Antenna Height	EIRP (Max)
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
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For any missing information, please refer to the enclosed Form 442 for reference, and the previous FCC grant for WA2XVA from May 2001.

Thank you,



Michael Nunez
FOA Engineer – System Integration & Test
Samsung Telecommunications America

 9/28/01

Philip Sohn
Senior Manager, Wireless Systems Lab
Samsung Telecommunications America