

**SAMSUNG****ELECTRONICS**

April 13, 2001

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

To Whom It May Concern:

On Behalf of Samsung America, I would like to request a permit to setup two test cell sites (Tri sectored), each equipped with a Samsung base station on existing buildings. 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 1960 MHz and the mobiles will be transmitting at 1880 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.

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, upconverts to 1960 MHz and transmits the signal to the mobiles. In the reverse link, the base station receives the 1880 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

Thank you,

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Samsung America

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