## **RF** Exposure

Test Requirements: §15.247(b)(5); §1.1307(b)(1)

**Test Specification:** Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the Commission's guidelines.

**Test Results:** The EUT complied with the requirement(s) of this section. EUT is a mobile device EUT meets the requirements of these sections as proven through MPE calculation

The MPE calculation for EUT @ 20cm Based on the highest P = 119 mWand G = 3.2 dBi $Pd = PG/4pi*R^2 = (119 \times 3.2)/12.566*(20)^2$ = (380.8)/12.56637x 400= 380.8 / 5026.55  $= 0.076 \text{ mW/cm}^2$ where: \*Pd = power density in  $mW/cm^2$ \* G = Antenna numeric gain (3.2); Log G = g/10 (g = 5). \* P = Conducted RF power to antenna (119 mW). \* R = Minimum allowable distance.( 20 cm) \*The power density  $Pd = 0.076 \text{ mW/cm}^2$  is less than 1 mW/cm<sup>2</sup> (listed MPE limit) \*The SAR evaluation is not needed (this is a mobile device) \* The EUT( antenna ) must be 0.2 meters away from the General Population. Test Engineer(s): Liming Xu

Test Date(s): July 17, 2004