RF Exposure

Test Requirement: FCC 47CFR 15.247(b)(5)
Test Date: 2011-3-03
Mode of Operation: Tx mode

Test Method:

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 meets the requirements of these sections as proven through MPE calculation
The MPE calculation for EUT @ 20cm
Based on the highest P = 82.8 mW

$$Pd = PG/ 4pi*R^2 = (82.8 \times 1.479)/12.566* (20)^2$$
$$= (122.461)/12.566x\ 400 = 122.461\ /5026.4$$
$$= 0.024\ mW/cm^2$$

where:
*Pd = power density in mW/cm2
* G = Antenna numeric gain (1.479); Log G = g/10 (g = 1.7dBi).
* P = Conducted RF power to antenna (82.8 mW).
* R = Minimum allowable distance.(20 cm)

*The power density Pd = 0.024 mW/cm^2 is less than 1 mW/cm^2 (listed MPE limit)
*The SAR evaluation is not needed (this is a desk top device, R> 20 cm)
* The EUT(antenna) must be 0.2 meters away from the General Population.