

## **Appendix 5**

# **Radio Frequency Exposure**

Safety Human Exposure – Radio Frequency Exposure Compliance		Pass
<p>Test Specification : FCC KDB Publication 447498 D01 v05r02</p> <p>Requirement : The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances <math>\leq 50</math> mm are determined by:</p> $[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \times [\sqrt{f(\text{GHz})}]$ <p style="text-align: center;"><math>\leq 3.0</math> for 1-g SAR and <math>\leq 7.5</math> for 10-g extremity SAR</p> <p>where</p> <p>f(GHz) is the RF channel transmit frequency in GHz  Power and distance are rounded to the nearest mW and mm before calculation  The result is rounded to one decimal place for comparison</p>		
<b>Results</b>	<p>: max. power of channel = -3.12dBm = 0.488 mW  min. test separation distance = 3mm (a distance of 5mm is applied to determine SAR test exclusion)  frequency = 2.402GHz</p> <p>Exclusion threshold = <math>(3 \times 5) / (\sqrt{2.402})</math>  = 9.678 mW</p> <p>Since maximum peak output power of the transmitter is 0.488mW &lt; 9.678 mW, the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01: Mobile and Portable RF Exposure v05r02.</p>	