

Appendix 5

Safety Human Exposure to Radio Frequency

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 ≤ 50 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;">≤ 3.0 for 1-g SAR and ≤ 7.5 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>		
Results	<p>: max. power of channel = 0.557mW min. test separation distance = 5mm frequency = 2.44GHz</p> <p>Exclusion threshold = $(3 \times 5) / (\sqrt{2.44})$ = 9.6 mW</p> <p>Since maximum peak output power of the transmitter is 0.557mW < 9.6mW, the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01: Mobile and Portable RF Exposure v05r02.</p>	