

Appendix 5

Radio Frequency Exposure

Safety Human Exposure – Radio Frequency Exposure Compliance		Pass
Test Specification : FCC KDB Publication 447498 D01 General RF Exposure Guidance v06 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: $[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \times [\sqrt{f(\text{GHz})}]$ ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR where 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		
Results	: max. field strength of channel = 93.18 dBμV/m max. power of channel = 0.624 mW (E.I.R.P.) min. test separation distance = 5mm frequency = 2.475GHz Exclusion threshold = $(3 \times 5) / (\sqrt{2.475})$ = 9.53 mW Since maximum peak output power of the transmitter is 0.624mW < 9.53mW, the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01 General RF Exposure Guidance v06.	