

10. RF EXPOSURE

FCC Part 15

Per KDB 447498 section 4.3.1 #(1), exclusion calculation for 2.45GHz at 5mm separation at 1-g SAR.

$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f_{\text{(GHz)}}}] \leq 3.0 \text{ for 1-g SAR}$$

$$[(0.2\text{mW})/(5\text{mm})] \cdot \sqrt{2.54\text{GHz}} = 0.064 < 3.0 \text{ therefore SAR is excluded}$$