

RF Exposure Letter

According to 447498 D01 General RF Exposure Guidance v06 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: $[(\text{max. power of channel, including tune - up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1 - g SAR and ≤ 7.5 for 10 - g extremity SAR, where $f(\text{GHz})$ 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

$P_t = -81.85 \text{ dBm} - 95.2 \text{ dB} = -13.35 \text{ dBm} = 0.0462 \text{ mW}$ at 315 MHz

So $(0.0462 \text{ mW} / 5 \text{ mm}) \times \sqrt{0.315 \text{ GHz}} = 0.0052 < 3$

Then SAR evaluation is not required