

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 \leq 50 mm are determined by: $[(\text{max. power of channel, including tune - up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1 - g SAR and } \leq 7.5 \text{ for 10 - g extremity SAR, where}$

$f(\text{GHz})$ 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

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$P_t = 78.67 - 95.2 = -16.53 \text{ dBm} = 0.0222 \text{ mW at 5750 MHz}$

So

$(0.0222 \text{ mW} / 5 \text{ mm}) \times \sqrt{5.750 \text{ GHz}} = 0.0107 < 3$

Then SAR evaluation is not required