

RF EXPOSURE EVALUATION

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 the following:

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

Operational Mode	Frequency (MHz)	Tune-up Power tolerance(dBm)	Maximum tune-up conducted power		Calculated value (distance \leq 5mm)	Threshold (distance \leq 5mm)	Verdict
			dBm	mw			
Classic BT	2402-2480	2 \pm 1	3.0	2.00	0.63	3.0	Compliance, SAR test is exempted
BLE	2402-2480	0 \pm 1	1.0	1.26	0.40		