

Standalone SAR test exclusion considerations: LE

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RF feature	Mode	Max. Transmitting Frequency(MHz)	Test separation distance (mm) ^{Note1}	Max. power with tune-up tolerance (dBm) ^{Note2}	ANT Gain (dBi)	Max. power with tune-up tolerance (mW)	Power thresholds	SAR test exclusion thresholds
Bluetooth	LE	2402.00	5.0	-1.00	3.79	0.7943	0.25	3.00

Note1. Please refer to the operation descriptoin for Max.tune-up power.

KDB 447498 D01 clasue 4.3.1 Step 1) SAR test exclusion thresholds for 100MHz to 6GHz at test separationnn distances ≤ 50 mm

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] · [√f(GHz)] ≤ 3.0 for 1g SAR and ≤ 7.5 for 10g extremity SAR

Sample Calculation

$$= [(0.7943\text{mW} / 5\text{mm})] \times [\sqrt{2.402\text{GHz}}] = 0.25$$

Note. The calculation result was rounded to two decimal place for comparison.

Conclusion : SAR evaluation for general population exposure conditions by measurement or numerical simulation is not required