

Standalone SAR test exclusion considerations

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RF feature	Mode	Transmitting Frequency(MHz)	Test separation distance (mm)	ANT Gain (dBi)	Max. power with tune-up tolerance (dBm) ^{Note1}	Max. power with tune-up tolerance (mW)	Power thresholds	SAR test exclusion thresholds
BLE	BLE(1Mbps)	2480.00	5.0	2.36	-8.00	0.1585	0.05	3.00
BLE	BLE(2Mbps)	2480.00	5.0	2.36	-8.00	0.1585	0.05	3.00

Note1. Please refer to the operation description.(Max tune-up power)

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

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

$$= [(0.1585\text{mW} / 5\text{mm})] \times [\sqrt{2.48\text{GHz}}] = 0.05$$

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