

Standalone SAR test exclusion considerations: **LE**

Date: February 10, 2020

RF feature	Mode	Transmitting Frequency(MHz)	Test separation distance (mm) ^{Note2}	ANT Gain (dBi)	Max. power with tune-up tolerance (dBm) ^{Note1}	Max. power with tune-up tolerance (mW)	Power thresholds (mW)	SAR test exclusion thresholds(mW) at separation distance of 5 mm
BT	LE(1,2Mbps)	2480.00	5.0	1.00	-4.50	0.3548	0.11	7.50

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

Note2.

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

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

Sample Calculation

$$= [(0.3548 \text{mW} / 5\text{mm})] \times [\sqrt{2.48\text{GHz}}] = 0.11$$

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