

Standalone SAR test exclusion considerations: **BT**

Date: August 21, 2018

RF feature	Mode	Transmitting Frequency(MHz)	Test separation distance (mm)	Max. power with tune-up tolerance (dBm) ^{Note1}	ANT Gain (dBi)	Max. power with tune-up tolerance (mW)	Power thresholds	SAR test exclusion thresholds
BT	BDR	2441.00	5.0	-0.40	2.30	0.9120	0.28	3.00
BT	EDR	2441.00	5.0	-0.20	2.30	0.9550	0.30	3.00

Note1. Please refer to the operation description for 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

[(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

$$= [(0.912\text{mW} / 5\text{mm})] \times [\sqrt{2.441\text{GHz}}] = 0.28$$

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