



# Standalone SAR test exclusion considerations: Bluetooth LE

RF feaature	Mode	Transmitting Frequency(MHz)	Test separation distance (mm)	ANT Gain (dBi)	Max. power with tune-up tolerance (dBm) <sup>NOTE1</sup>	Max. power with tune-up tolerance (mW) <sup>NOTE1</sup>	Power thresholds	SAR test exclusion thresholds
Bluetooth LE	LE	2480.00	5.00	-0.36	0.50	1.1220	0.35	3.00

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

### KDB 447498 D01 clausue 4.3.1 Step 1) SAR test exclusion thresholds for 100MHz to 6GHz at test separationn 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

$$= [ ( 1.122mW / 5mm ) ] X [ √2.48GHz ] = 0.35$$

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