## Standalone SAR test exclusion considerations

RF feature	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)	Power thresholds	SAR test exclusion thresholds
BLE	GFSK(1Mbps)	2 402.00 ~ 2 480.00	5.0	0.93	-23.00	0.005 0	0.002	3.000
Zigbee	O-QPSK (250 kbps)	2 480.00 ~ 2 480.00	5.0	0.74	-23.00	0.005 0	0.002	3.000
Note1. Please refet 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)]  $\cdot$  [ $\sqrt{f(GHz)}$ ]  $\leq$  3.0 for 1g SAR and  $\leq$  7.5 for 10g extremity SAR

## Sample Calculation

= [ ( 0.005mW / 5mm ) ] X [ √2.402GHz ] = 0.002

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