

FCC ID: 2A9BA-TTNN23JO

## Standalone SAR test exclusion considerations

RF feature	Mode	Frequency Range(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	2.008	-1.50	0.707 9	0.22	3.00
Zigbee	O-QPSK (250 kbps)	2 480.00 ~ 2 480.00	5.0	1.381	-2.50	0.562 3	0.18	3.00

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** 

=  $[(0.7079 \text{mW} / 5 \text{mm})] \text{ X } [\sqrt{2.48 \text{GHz}}] = 0.22$ 

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