

## Standalone SAR test exclusion considerations

July 19, 2017

- Transm	tategory =
- Max. tr	Insmitting frequency = 2402 MHz
- Min. te	t separation distance = <b>0</b> mm
- Max. A	atenna Gain = -1.1 dBi
- Max. p	ower with turn-up tolerance = 4.00 dBm = 2.6 mW ( Typical Power = Max. 4.00 dBm )
Note.	Zigbee

## KDB 447498 D01 clasue 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 ) ]  $\cdot$  [  $\sqrt{f(GHz)}$  ]  $\leq$  3.0 for 1g SAR and  $\leq$  7.5 for 10g extremity SAR = [ ( 2.6mW / 5mm ) ] X [  $\sqrt{2.402GHz}$  ] = 0.81

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

→ SAR evaluation for general population exposure conditions by measurement or numerical simulation is not required.