

Standalone SAR test exclusion considerations (BT)

April 2, 2018

- Device category = Portable device Mobile device
- Transmitting mode = Single Transmitting Simultaneous Transmitting
- Max. transmitting frequency = **2480** MHz
- Min. test separation distance = **5** mm
- Max. Antenna Gain = **1.99** dBi
- Max. power with turn-up tolerance = **0.00** dBm = **1.0** mW (Typical Power = **Max. 0.00** dBm)

Note. Please refer to the operation descriptoin for Max.tune-up power.

KDB 447498 D01 clasue 4.3.1 Step 1) SAR test exclusion thresholds for 100MHz to 6GHz at test separationn distances ≤ 50 mm

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for } 1\text{g SAR and } \leq 7.5 \text{ for } 10\text{g extremity SAR}$$

$$= [(1\text{mW} / 5\text{mm})] \times [\sqrt{2.48\text{GHz}}] = 0.3$$

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.