

Standalone SAR test exclusion considerations

October 20, 2016

- Device category = Portable device Mobile device
- Transmitting mode = Single Transmitting Simultaneous Transmitting
- Max. transmitting frequency = 2480 MHz
- Min. test separation distance = 10 mm
- Max. Antenna Gain = -0.08 dBi
- Max. power with turn-up tolerance = 2.00 dBm = 1.6 mW (Typical Power = Max. 2.00 dBm)

Note. BT(BDR/EDR)

KDB 447498 D01 clause 4.3.1 Step 1) SAR test exclusion thresholds for 100MHz to 6GHz at test separation distances \leq 50 mm

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] \cdot [$\sqrt{f(\text{GHz})}$] \leq 3.0 for 1g SAR and \leq 7.5 for 10g extremity SAR
= [(1.6mW / 10mm)] \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.***