

Standalone SAR test exclusion considerations

November 16, 2017

- 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 = 3.03 dBi
- Max. power with turn-up tolerance = -10.50 dBm = 0.1 mW (Typical Power = Max. -10.50 dBm)

Note. Bluetooth (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
= [(0.1mW / 5mm)] \times [$\sqrt{2.48\text{GHz}}$] = 0.03

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.***