

Standalone SAR test exclusion considerations

March 28, 2016

- Device category = ☒ Portable device ☐ Mobile device
- Transmitting mode = ☒ Single Transmitting ☐ Simultaneous Transmitting
- Max. transmitting frequency = 2480 MHz
- Min. test separation distance = 0 mm
- Max. Antenna Gain = 2.9 dBi
- Max. power with turn-up tolerance = -10.00 dBm = 0.1 mW (Typical Power = Max. -10.00 dBm)

Note. BT LE(1Mbps)

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)] $\cdot$ [$\sqrt{f(\text{GHz})}$] ≤ 3.0 for 1g SAR and ≤ 7.5 for 10g extremity SAR
= [(0.1mW / 5mm)] X [$\sqrt{2.48\text{GHz}}$] = 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.