

Standalone SAR test exclusion considerations

February 6, 2024

- 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 = **2.36** dBi
- Max. power with turn-up tolerance = **-2.50** dBm = **0.6** mW (Typical Power = **Max. -2.50** dBm)

Note.

KDB 447498 D01v06 clause 4.3.1 a) SAR test exclusion thresholds for 100MHz to 6GHz at test separation distances ≤ 50 mm

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

$= [(0.6\text{mW} / 5\text{mm})] \times [\sqrt{2.48\text{GHz}}] = 0.2$

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.