

Standalone SAR test exclusion considerations

July 9, 2025

- 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 = **1.25** dBi
- Max. power with turn-up tolerance = **7.00** dBm = **5.1** mW (Typical Power = **Range: 6.00** dBm ± **1.00** dB)

Note.

KDB 447498 D01 clause 4.3.1 Step 1) SAR test exclusion thresholds for 100MHz to 6GHz at test separation distances ≤ 50 mm
$$[\text{max. power of channel, including tune-up tolerance, mW}] / [\text{min. test separation distance, mm}] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1g SAR and } \leq 7.5 \text{ for 10g extremity SAR}$$

$$= [(5.1 \text{mW} / 5 \text{mm})] \times [\sqrt{2.48 \text{GHz}}] = 1.6$$

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.***