

Standalone SAR test exclusion considerations

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- Device category = Portable device Mobile device
- Transmitting mode = Single Transmitting Simultaneous Transmitting
- Max. transmitting frequency = 2462 MHz
- Min. test separation distance = 16.4 mm
- Max. Antenna Gain = 3.01 dBi
- Max. power with turn-up tolerance = 7.00 dBm = 5.1 mW (Typical Power = Max. 7.00 dBm)

Note. 2.4GHz WLAN

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)] · [$\sqrt{f(\text{GHz})}$] ≤ 3.0 for 1g SAR and ≤ 7.5 for 10g extremity SAR

$$= [(5.1\text{mW} / 16.4\text{mm})] \times [\sqrt{2.462\text{GHz}}] = 0.5$$

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.