



Standalone SAR test exclusion considerations

May 7, 2018

- Device category = Portable device Mobile device
- Transmitting mode = Single Transmitting Simultaneous Transmitting
- Max. transmitting frequency = **919.08** MHz
- Min. test separation distance = **5** mm
- Max. Antenna Gain = **-9** dBi
- Max. power with turn-up tolerance = **11.00** dBm = **12.6** mW (Typical Power = **Max. 11.00** dBm)

Note.

KDB 447498 D01 clause 4.3.1 Step 1) SAR test exclusion thresholds for 100MHz to 6GHz at test separation distances ≤ 50 mm

$$\left[\left(\frac{\text{max. power of channel, including tune-up tolerance, mW}}{\text{min. test separation distance, mm}} \right) \cdot \sqrt{f(\text{GHz})} \right] \leq 3.0 \text{ for 1g SAR and } \leq 7.5 \text{ for 10g extremity SAR}$$
$$= \left[\left(\frac{12.6\text{mW}}{5\text{mm}} \right) \right] \times \sqrt{0.91908\text{GHz}} = 2.4$$

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.