

Standalone SAR test exclusion considerations

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- Device category = Portable device Mobile device
- Transmitting mode = Single Transmitting Simultaneous Transmitting
- Max. transmitting frequency = 2480 MHz
- Min. test separation distance = 200 mm
- Max. Antenna Gain = -0.1 dBi
- Max. power with turn-up tolerance = -3.00 dBm = 0.6 mW (Typical Power = Max. -3.00 dBm)

Note. BT(BDR)

KDB 447498 D01 clause 4.3.1 Step 2-2) SAR test exclusion thresholds for 1500MHz to 6GHz at test separation distances > 50 mm

[Threshold at 50 mm + (test separation distance - 50 mm) X 10] mW

$$= [0 + (200\text{mm} - 50\text{mm} \times 10)] = 1500$$

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.***

Maximum Permissible Exposure(MPE) evaluation for mobile device

$$S = \frac{P \cdot G}{(4 \cdot R^2 \cdot \pi)}, \text{ mW/cm}^2$$
$$= 0.000117 \text{ mW/cm}^2$$

S = Maximum power density
P = Maximum power with turn-up tolerance

G = Numeric power gain of the antenna
R = Distance from transmitting antenna

Conclusion: The exposure condition of this device is compliant with FCC rules.

The limit for maximum permissible exposure = 1.000000 mW/cm²