

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 = 200 mm
- Max. Antenna Gain = 1.385 dBi
- Max. power with turn-up tolerance = 18.00 dBm = 63.1 mW (Typical Power = Max. 18.00 dBm)

Note. ANT1 : 1.400 dBi , ANT2 : 1.370 dBi , Directional Gain : 1.385 dBi (Using uncorrelated singal)
2400 ~ 2483.5 MHz

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

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

= [0.5 + (200mm - 50mm X 10)] = 1500.5

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.

Maximum Permissible Exposure(MPE) evaluation for mobile device

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

S = Maximum power density
 P = Maximum power with turn-up tolerance
 G = Numeric power gain of the antenna
 R = Distance from transmitting antenna

$$= 0.017269 \text{ mW/cm}^2$$

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

The limit for maximum permissible exposure = 1.000000 mW/cm²