

Standalone SAR test exclusion considerations

November 4, 2019

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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 =
                          2.81 dBi
- Max. power with turn-up tolerance =
                                                            mW ( Typical Power =
                                     6.00 dBm =
                                                                                        Max. 6.00
                                                                                                    dBm )
 Note. BLE
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KDB 447498 D01 clasue 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

= [0.03 + (200mm - 50mm X 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

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S = P G / (4 R^2 \pi), mW/cm<sup>2</sup> S = Maximum power density G = Numeric power gain of the antenna 
 <math>P = Maximum power with turn-up tolerance R = Distance from transmitting antenna
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Conclusion: The exposure condition of this device is compliant with FCC rules.

The limit for maximum permissible exposure = 1.000000 mW/cm²