

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 =
                                dBi
- Max. power with turn-up tolerance =
                                                      3.1 mW ( Typical Power =
                                     4.90 dBm =
                                                                                        Max. 4.90 dBm )
Note. ZIGBEE
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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

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= [0.02 + (200mm - 50mm X 10)] = 1500
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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
P = Maximum power with turn-up tolerance
R = Distance from transmitting antenna
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