

## 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 =
                         -4.66 dBi
- Max. power with turn-up tolerance = 8.00 dBm =
                                                     6.4 mW ( Typical Power =
                                                                                       Max. 8.00 dBm )
Note. Zigbee
```

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 = [ 0.05 + ( 200mm - 50mm X 10 ) ] = 1500.1

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), mW/cm<sup>2</sup>
S = Maximum power density
P = Maximum power with turn-up tolerance
S = 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/cm<sup>2</sup>