

Standalone SAR test exclusion considerations

September 2, 2015

```
- Device category = \square Portable device

☑ Mobile device

☑ Single Transmitting
- Transmitting mode =
                                                      ☐ Simultaneous Transmitting
- Max. transmitting frequency =
                                    2480
                                            MH<sub>2</sub>
- Min. test separation distance =
                                      200 mm
- Max. Antenna Gain =
                             -4.2 dBi
- Max. power with turn-up tolerance =
                                         6.00 \, dBm =
                                                                        ( Typical Power =
                                                                                                 Max.
                                                                                                        6.00 dBm
                                                                 mW
 Note.
```

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

```
S = P G / (4 R^2 \pi), mW/cm<sup>2</sup> S = Maximum power density G = Numeric power gain of the antenna <math>R = Distance from transmitting antenna
```

 $= 0.000303 \text{ mW/cm}^2$

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

The limit for maximum permissible exposure = 1.000000 mW/cm²