

# Standalone SAR test exclusion considerations

November 11, 2014

- Device category =  Portable device  Mobile device
- Max. transmitting frequency = 2480 MHz
- Min. test separation distance = 0 mm
- Max. power with turn-up tolerance = 5.00 dBm = 3.2 mW  
Typical Power = Max. 5.00 dBm
- Max. Antenna Gain = -3.7 dBi

## KDB 447498 D01 clause 4.3.1 Step 1) SAR test exclusion thresholds for 100MHz to 6GHz at test separation distances $\leq 50$ mm

$[ (\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm}) ] \cdot [ \sqrt{f(\text{GHz})} ] \leq 3.0$  for 1g SAR and  $\leq 7.5$  for 10g extremity SAR

$$= [ ( 3.2\text{mW} / 5\text{mm} ) ] \times [ \sqrt{2.48\text{GHz}} ] = 1$$

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.***