Standalone SAR test exclusion considerations

May 25, 2016

- Device category = ☑ Portable device ☐ Mobile device
- Transmitting mode = ☑ Single Transmitting ☐ Simultaneous Transmitting
- Max. transmitting frequency = 2480 MHz
- Min. test separation distance = 0 mm
- Max. Antenna Gain = 3.3 dBi
- Max. power with turn-up tolerance = 7.00 dBm = 5.1 mW (Typical Power = Max. 7.00 dBm)

Note. **BDR**: 7 dBm (Worst) / **EDR**: 5 dBm

KDB 447498 D01 clasue 4.3.1 Step 1) SAR test exclusion thresholds for 100MHz to 6GHz at test separationn distances ≤ 50 mm

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] · [√f(GHz)] ≤ 3.0 for 1g SAR and ≤ 7.5 for 10g extremity SAR

= [(5.1mW / 5mm)] X [√2.48GHz] = 1.6

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.

Copyright ⓒ 2016, DT&C Co., Ltd.