FCC ID : S7A-SP29

Standalone SAR test exclusion considerations

September 8, 2016

```
- Device category = ✓ Portable device
                                       ☐ Mobile device
- Transmitting mode =

☑ Single Transmitting
                                                   ☐ Simultaneous Transmitting
- Max. transmitting frequency =
                                  2480
                                          MHz
- Min. test separation distance =
                                     20
                                          mm
- Max. Antenna Gain =
                          0.932 dBi
- Max. power with turn-up tolerance =
                                      12.00 dBm =
                                                                    ( Typical Power =
                                                                                           Max. 12.00 dBm
                                                        15.9 mW
Note. BT(BDR/EDR)
```

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)] \cdot [$\sqrt{f(GHz)}$] \leq 3.0 for 1g SAR and \leq 7.5 for 10g extremity SAR = [(15.9mW / 20mm)] X [$\sqrt{2.48GHz}$] = 1.3

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.

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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 =
                                     20
                                          mm
- Max. Antenna Gain =
                          0.932 dBi
- Max. power with turn-up tolerance =
                                       6.50
                                             dBm =
                                                                        Typical Power =
                                                                                            Max.
                                                                                                   6.50 dBm
                                                              mW
Note. BLE
```

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)] \cdot [$\sqrt{f(GHz)}$] \leq 3.0 for 1g SAR and \leq 7.5 for 10g extremity SAR = [(4.5mW / 20mm)] X [$\sqrt{2.48GHz}$] = 0.4

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.