Standalone SAR test exclusion considerations(Bluetooth)

August 30, 2017

- Device category = ☑ Portable device   ☐ Mobile device
- Transmitting mode =   ☑ Single Transmitting   ☐ Simultaneous Transmitting
- Max. transmitting frequency = **2480** MHz
- Min. test separation distance = **35** mm
- Max. Antenna Gain = **1** dBi
- **Max. Target power =** **15.00** dBm = **31.7** mW

Note. | Bluetooth.
| The max target power was based on time-averaged power. Refer to the operation descriptoin.

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)] · [$\sqrt{f(GHz)}$] ≤ 3.0 for 1g SAR and ≤ 7.5 for 10g extremity SAR

= [(31.7mW / 35mm)] X [$\sqrt{2.48GHz}$] = 1.4

   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.*

Standalone SAR test exclusion considerations(LE)

- Device category = ☑ Portable device   ☐ Mobile device
- Transmitting mode =   ☑ Single Transmitting   ☐ Simultaneous Transmitting
- Max. transmitting frequency =   **2480**   MHz
- Min. test separation distance =   **35**   mm
- Max. Antenna Gain =   **1**   dBi
            - **Max. Target power =**   **2.00**   dBm   =   **1.6**   mW

Note.	LE
	The max target power was based on time-averaged power. Refer to the operation descriptoin.

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)] · [$\sqrt{f(GHz)}$] ≤ 3.0 for 1g SAR and ≤ 7.5 for 10g extremity SAR

= [(1.6mW / 35mm)] X [$\sqrt{2.48GHz}$] = 0.1

   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.*