

# Standalone SAR test exclusion considerations(Bluetooth)

July 6, 2018

- 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 = -1.79 dBi
- Max. power with turn-up tolerance = 17.50 dBm = 56.3 mW ( Typical Power = Max. 17.50 dBm )

Note. Please refer to the operation description for Max.tune-up power.

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

[ ( max. power of channel, including tune-up tolerance, mW ) / ( min. test separation distance, mm ) ]  $\cdot$  [  $\sqrt{f(\text{GHz})}$  ]  $\leq$  3.0 for 1g SAR and  $\leq$  7.5 for 10g extremity SAR  
 $= [ ( 56.3\text{mW} / 35\text{mm} ) ] \times [ \sqrt{2.48\text{GHz}} ] = 2.53$

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.***