

# Standalone SAR test exclusion considerations

LCD Keypad

November 1, 2024

- Device category =  Portable device  Mobile device
- Transmitting mode =  Single Transmitting  Simultaneous Transmitting
- Max. transmitting frequency = **2402** MHz
- Min. test separation distance = **5** mm
- Max. Antenna Gain = **-1.79** dBi
- Max. power with turn-up tolerance = **-3.50** dBm = **0.5** mW ( Typical Power = **Max. -5.50** dBm ) **2.00**

Note. BLE(1Mbps)

**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  
= [ ( 0.5mW / 5mm ) ]  $\times$  [  $\sqrt{2.402\text{GHz}}$  ] = 0.2

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.***