

# Standalone SAR test exclusion considerations

August 14, 2020

- Device category =  Portable device  Mobile device
- Transmitting mode =  Single Transmitting  Simultaneous Transmitting
- Max. transmitting frequency = 2402 MHz
- Min. test separation distance = 0 mm
- Max. Antenna Gain = 0.5 dBi
- Max. power with turn-up tolerance = -6.00 dBm = 0.3 mW ( Typical Power = Max. -6.00 dBm )

Note. Max. power with turn-up tolerance was used the highest value in low/mid/high channels.

## KDB 447498 D01 clause 4.3.1 Step 1) SAR test exclusion thresholds for 100MHz to 6GHz at test separation 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  
= [ ( 0.3mW / 5mm ) ]  $\times$  [  $\sqrt{2.402\text{GHz}}$  ] = 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.***