



## **Standalone SAR test exclusion considerations**

April 2, 2024

- Device category = ☑ Portable device ☐ Mobile device - Transmitting mode = ☑ Single Transmitting ☐ Simultaneous Transmitting  May transmitting frequency ☐ 423 03 MULT
- Max. transmitting frequency = 433.92 MHz
- Min. test separation distance = 0 mm
- Max. Antenna Gain = 4.09 dBi
- Max. power with turn-up tolerance = 5.31 dBm = 3.4 mW ( Typical Power = Max. 5.31 dBm )
Note. The max power includes a correction factor of 10log(0.10) to cover an operational duty factor of 10% as the device transmit a maximum of 10ms
in period 100 msec.

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 ) ] · [  $\sqrt{f(GHz)}$  ]  $\leq$  3.0 for 1g SAR and  $\leq$  7.5 for 10g extremity SAR = [ ( 3.4mW / 5mm ) ] X [  $\sqrt{0.43392GHz}$  ] = 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.

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