

## Standalone SAR test exclusion considerations:

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| RF feature | Mode or Modulation | Transmitting Frequency(MHz) | Test separation distance (mm) | ANT Gain (dBi) | Max. power with tune-up tolerance (dBm) <sup>Note1</sup> | Max. power with tune-up tolerance (mW) | Power thresholds | SAR test exclusion thresholds |
|------------|--------------------|-----------------------------|-------------------------------|----------------|--|--|------------------|-------------------------------|
| BLE        | 1Mbps              | 2480.00                     | 5.0                           | 0.50           | 1.00   | 1.259                                  | 0.397            | 3.00                          |
|            |                    |                             |                               |                |  |  |                  |                               |
|            |                    |                             |                               |                |  |  |                  |                               |
|            |                    |                             |                               |                |  |  |                  |                               |
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|            |                    |                             |                               |                |  |  |                  |                               |
|            |                    |                             |                               |                |  |  |                  |                               |

Note1. Please refer to the operation description for Max tune-up power.

### KDB 447498 D01 clause 4.3.1 Step 1) SAR test exclusion thresholds for 100MHz to 6GHz at test separation distances ≤ 50 mm

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

#### Sample Calculation

$$= [ ( 1.2589\text{mW} / 5\text{mm} ) ] \times [ \sqrt{2.48\text{GHz}} ] = 0.4$$

Note. The calculation result was rounded to two decimal place for comparison.

**Conclusion : SAR evaluation for general population exposure conditions by measurement or numerical simulation is not required**