

## Standalone SAR test exclusion considerations

| RF feature | Mode   | 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        | 1 Mbps | 2 480.00                    | 5.0                           | 4.53           | 0.00   | 1.000                                  | 0.31             | 3.00                          |
| BLE        | 2 Mbps | 2 480.00                    | 5.0                           | 4.53           | 0.00   | 1.000                                  | 0.31             | 3.00                          |
|            |        |                             |                               |                |  |  |                  |                               |
|            |        |                             |                               |                |  |  |                  |                               |
|            |        |                             |                               |                |  |  |                  |                               |
|            |        |                             |                               |                |  |  |                  |                               |
|            |        |                             |                               |                |  |  |                  |                               |
|            |        |                             |                               |                |  |  |                  |                               |
|            |        |                             |                               |                |  |  |                  |                               |
|            |        |                             |                               |                |  |  |                  |                               |
|            |        |                             |                               |                |  |  |                  |                               |

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

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

$$= [(1\text{mW} / 5\text{mm})] \times [\sqrt{2.48\text{GHz}}] = 0.31$$

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