

Standalone SAR test exclusion considerations: **LE**

Date: February 10, 2020

| RF feature | Mode | Transmitting Frequency(MHz) | Test separation distance (mm) ^{Note2} | ANT Gain (dBi) | Max. power with tune-up tolerance (dBm) ^{Note1} | Max. power with tune-up tolerance (mW) | Power thresholds (mW) | SAR test exclusion thresholds(mW) at separation distance of 5 mm |
|------------|-------------|-----------------------------|--|----------------|--|--|-----------------------|--|
| BT | LE(1,2Mbps) | 2480.00 | 5.0 | 1.00 | -4.50 | 0.3548 | 0.11 | 7.50 |
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Note1. Please refer to the operation description for Max tune-up.

Note2.

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

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

$$= [(0.3548\text{mW} / 5\text{mm})] \times [\sqrt{2.48\text{GHz}}] = 0.11$$

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