

FCC ID: 2ADPO-BTPAD01

Portable device

According to §15.247(e)(i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

According to KDB447498 D01 General RF Exposure Guidance V05

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})]^*$
 $[\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where
 $f(\text{GHz})$ is the RF channel transmit frequency in GHz;

Power and distance are rounded to the nearest mW and mm before calculation;

The result is rounded to one decimal place for comparison;

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

We use 5mm as separation distance to calculate.

Maximum measured transmitter power:

BT DSS:

| Transmit Frequency (GHz) | Mode | Max Conducted Power (dBm) | Max Conducted Power (mW) | Result calculation | 1-g SAR |
|--------------------------|----------------|---------------------------|--------------------------|--------------------|---------|
| 2.402 | GFSK | 1.398 | 1.38 | 0.43 | 3.0 |
| 2.441 | GFSK | 1.035 | 1.27 | 0.40 | 3.0 |
| 2.480 | GFSK | 1.643 | 1.46 | 0.46 | 3.0 |
| 2.402 | $\pi/4$ -DQPSK | 2.152 | 1.64 | 0.51 | 3.0 |
| 2.441 | $\pi/4$ -DQPSK | 1.784 | 1.51 | 0.47 | 3.0 |
| 2.480 | $\pi/4$ -DQPSK | 2.445 | 1.76 | 0.55 | 3.0 |
| 2.402 | 8DPSK | 2.408 | 1.74 | 0.54 | 3.0 |
| 2.441 | 8DPSK | 2.123 | 1.63 | 0.51 | 3.0 |
| 2.480 | 8DPSK | 2.776 | 1.89 | 0.60 | 3.0 |

Conclusion:

For the max result : $0.6 \leq 3.0$ for 1-g SAR extremity SAR, No SAR is required.

Signature:



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