

FCC ID: 2AF3O-001

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 \leq 50 mm are determined by:

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

Maximum measured transmitter power:

Bluetooth 4.0 DTS:

| Transmit Frequency (GHz) | Mode | Measured Power (dBm) | Tune-up power (dBm) | Max tune-up power(dBm) | Result calculation | 1-g SAR |
|--------------------------|------|----------------------|---------------------|------------------------|--------------------|---------|
| 2.402 | GFSK | 2.154 | 2±1 | 3 | 0.6185 | 3.00 |
| 2.440 | GFSK | 2.554 | 2±1 | 3 | 0.6233 | 3.00 |
| 2.480 | GFSK | 2.337 | 2±1 | 3 | 0.6284 | 3.00 |

Conclusion:

For the max result $0.6284 \leq 3.0$ for 1-g SAR extremity SAR, No SAR is required.

Sincerely,



Signature

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