

# FCC ID:IKQBT100

## 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:

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

f(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.

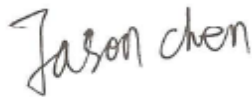
Bluetooth DSS:

Transmit Frequency (GHz)	Mode	Measured Power (dBm)	Tune-up power (dBm)	Max tune-up power(dBm)	Result calculation	1g SAR
2.402	GFSK	2.19	3±1	4	0.7786	3
2.441		3.92	3±1	4	0.7849	3
2.48		2.09	3±1	4	0.7911	3
2.402	π/4-DQPSK	1.23	2±1	3	0.6185	3
2.441		2.86	2±1	3	0.6235	3
2.48		1.15	2±1	3	0.6284	3
2.402	8DPSK	1.7	2±1	3	0.6185	3
2.441		2.82	2±1	3	0.6235	3
2.48		1.47	2±1	3	0.6284	3

Bluetooth DTS:

### **Conclusion:**

For the max result :  $0.7911 \leq 3.0$  for 1g SAR, No SAR is required.



**Signature:**

**Date:** 2016-8-17

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