

# **FCC ID: 2ATKZ-TB30**

## **Portable device**

According to §15.247(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 V06

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:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] * [\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  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  $\leq 50$  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 calculate.

Maximum measured transmitter power:

BT DSS:

Transmit Frequency (GHz)	Mode	Max Conducted Power (dBm)	tune up maximum power(dBm)	Result calculation	1-g SAR
2.402	GFSK	6.35	8	1.956	3
2.441	GFSK	6.57	8	1.972	3
2.480	GFSK	6.13	8	1.987	3
2.402	pi/4-DQPSK	6.08	8	1.956	3
2.441	pi/4-DQPSK	6.29	8	1.972	3
2.480	pi/4-DQPSK	5.83	7	1.579	3
2.402	8DPSK	6.52	8	1.956	3
2.441	8DPSK	6.76	8	1.972	3
2.480	8DPSK	6.33	8	1.987	3

### **Conclusion:**

For the max result :  $1.987 \leq 3.0$  for 1-g SAR extremity SAR, No SAR is required.

Signature:



Date: 2020.09.24

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