

# 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  $\leq 50$  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)	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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