

FCC ID: 2AHMF-SW5200

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:

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

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:

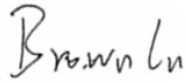
Transmit Frequency (GHz)	Mode	Measured Power (dBm)	Tune-up power (dBm)	Max tune-up power(dBm)	Result calculation	1g SAR
2.402	GFSK	1.75	2±1	3	0.6185	3
2.441	GFSK	1.25	2±1	3	0.6235	3
2.480	GFSK	2.25	2±1	3	0.6284	3
2.402	$\pi/4$ -DQPSK	0.72	1±1	2	0.4913	3
2.441	$\pi/4$ -DQPSK	0.27	1±1	2	0.4952	3
2.480	$\pi/4$ -DQPSK	1.42	1±1	2	0.4992	3
2.402	8DPSK	1.37	1±1	2	0.4913	3
2.441	8DPSK	0.59	1±1	2	0.4952	3
2.480	8DPSK	1.70	1±1	2	0.4992	3

BT DTS:

Transmit Frequency (GHz)	Mode	Measured Power (dBm)	Tune-up power (dBm)	Max tune-up power(dBm)	Result calculation	1g SAR
2.402	GFSK	3.01	4±1	5	0.9802	3
2.440	GFSK	3.08	4±1	5	0.9879	3
2.48	GFSK	3.94	4±1	5	0.9960	3

Conclusion:

For the max result : $0.9960 \leq 3.0$ for 1g SAR, No SAR is required.



Signature:

Date: 2016-3-9

NAME AND TITLE (Please print or type): Brown Lu/Manager

COMPANY (Please print or type): Shenzhen NTEK Testing Technology Co., Ltd./ 1/F, Building E,
Fenda Science Park, Sanwei Community, Xixiang Street Bao'an District, Shenzhen P.R. China.