

FCC ID: 2AMCI-MB200

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 V06

The 1-g SAR and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

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

When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

BT:

Modulation	Channel Freq. (GHz)	Conduct ed power (dBm)	Conducte d power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Distance (mm)	Result calculation	1g SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	0.18	1.042	1±1	2	1.585	<5	0.49127	3.00	YES
	2.441	2.2	1.660	2±1	3	1.995	<5	0.62347	3.00	YES
	2.480	2.3	1.698	2±1	3	1.995	<5	0.62843	3.00	YES
$\pi/4$ -DQPSK	2.402	0.81	1.205	1±1	2	1.585	<5	0.49127	3.00	YES
	2.441	1.91	1.552	2±1	3	1.995	<5	0.62347	3.00	YES
	2.480	1.96	1.570	2±1	3	1.995	<5	0.62843	3.00	YES
8DPSK	2.402	1.01	1.262	1±1	2	1.585	<5	0.49127	3.00	YES
	2.441	2.32	1.706	2±1	3	1.995	<5	0.62347	3.00	YES
	2.480	2.45	1.758	2±1	3	1.995	<5	0.62843	3.00	YES

BLE:

Modulation	Channel Freq. (GHz)	Conduct ed power (dBm)	Conducte d power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Distance (mm)	Result calculation	1g SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	1.64	1.459	2±1	3	1.995	<5	0.61847	3.00	YES
	2.44	4.08	2.559	5±1	6	3.981	<5	1.24373	3.00	YES
	2.480	4.9	3.090	5±1	6	3.981	<5	1.25388	3.00	YES

Conclusion:

For the max result : $1.25388 \leq 3.0$ for 1-g SAR, No SAR is required.

Jason chen

Signature:

Date: 2017-06-13

NAME AND TITLE (Please print or type): Jason Chen /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 518126 P.R. China