

FCC ID: 2A128-AEPJS3A

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(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	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	-2.035	0.63	-2±1	-1	0.79	<5	0.24622	3.00	YES
	2.441	-2.473	0.57	-2±1	-1	0.79	<5	0.24821	3.00	YES
	2.480	-1.155	0.77	-2±1	-1	0.79	<5	0.25018	3.00	YES
π/4-DQPSK	2.402	-3.598	0.44	-4±1	-3	0.50	<5	0.15535	3.00	YES
	2.441	-4.484	0.36	-4±1	-3	0.50	<5	0.15661	3.00	YES
	2.480	-2.718	0.53	-2±1	-1	0.79	<5	0.25018	3.00	YES
8-DQPSK	2.402	-3.086	0.49	-3±1	-2	0.63	<5	0.19558	3.00	YES
	2.441	-3.991	0.40	-3±1	-2	0.63	<5	0.19716	3.00	YES
	2.480	-2.14	0.61	-3±1	-2	0.63	<5	0.19873	3.00	YES

Conclusion:

For the max result : $0.25018 \leq 3.0$ for 1g SAR, SAR is not required.

Signature:

Date: 2023-07-11

NAME AND TITLE (Please print or type): Alex li /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.