

Shenzhen Diyage Technology Co., Ltd

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**FCC ID: 2BEDU-V20**

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  $\leq 50$  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  $\leq 7.5$  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

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

EDR:

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 calculatio n	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	3.415	2.20	4±1	5.00	3.16	<5	0.98020	3.00	YES
	2.441	3.29	2.13	4±1	5.00	3.16	<5	0.98813	3.00	YES
	2.480	2.39	1.73	3±1	4.00	2.51	<5	0.79114	3.00	YES
$\pi$ /4DQPSK	2.402	4.12	2.58	4±1	5.00	3.16	<5	0.98020	3.00	YES
	2.441	3.951	2.48	4±1	5.00	3.16	<5	0.98813	3.00	YES
	2.480	3.012	2.00	4±1	5.00	3.16	<5	0.99599	3.00	YES
8DQPSK	2.402	4.323	2.71	5±1	6.00	3.98	<5	1.23400	3.00	YES
	2.441	4.127	2.59	5±1	6.00	3.98	<5	1.24398	3.00	YES
	2.480	3.368	2.17	4±1	5.00	3.16	<5	0.99599	3.00	YES

**Conclusion:**

For the max result :  $1.24398 \leq$  FCC Limit 3.0 for 1g SAR.