



FCC ID:2AM2U-NEROX

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	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	5.123	3.25	5 $\pm$ 1	6.00	3.98	<5	1.23400	3.00	YES
	2.441	5.177	3.29	5 $\pm$ 1	6.00	3.98	<5	1.24398	3.00	YES
	2.480	4.857	3.06	5 $\pm$ 1	6.00	3.98	<5	1.25388	3.00	YES
Pi/4 DQPSK	2.402	6.049	4.03	6 $\pm$ 1	7.00	5.01	<5	1.55352	3.00	YES
	2.441	6.167	4.14	6 $\pm$ 1	7.00	5.01	<5	1.56608	3.00	YES
	2.480	5.776	3.78	6 $\pm$ 1	7.00	5.01	<5	1.57854	3.00	YES
8DPSK	2.402	6.104	4.08	6 $\pm$ 1	7.00	5.01	<5	1.55352	3.00	YES
	2.441	6.264	4.23	6 $\pm$ 1	7.00	5.01	<5	1.56608	3.00	YES
	2.480	5.979	3.96	6 $\pm$ 1	7.00	5.01	<5	1.57854	3.00	YES

Conclusion:

For the max result : 1.57854W/Kg $\leq$ FCC Limit 3.0 for 1g SAR.