

FCC ID: 2A2P8-J97

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)	Conducted power (dBm)	Conducted 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
EDR mode (GFSK)	2.402	3.253	2.11	4±1	5.00	3.16	<5	0.98020	3.00	YES
	2.441	3.318	2.15	4±1	5.00	3.16	<5	0.98813	3.00	YES
	2.480	3.293	2.13	4±1	5.00	3.16	<5	0.99599	3.00	YES
EDR mode (π /4DQPSK)	2.402	2.618	1.83	3±1	4.00	2.51	<5	0.77860	3.00	YES
	2.441	2.669	1.85	3±1	4.00	2.51	<5	0.78490	3.00	YES
	2.480	2.468	1.77	3±1	4.00	2.51	<5	0.79114	3.00	YES
EDR mode (8DPSK)	2.402	2.764	1.89	3±1	4.00	2.51	<5	0.77860	3.00	YES
	2.441	2.892	1.95	3±1	4.00	2.51	<5	0.78490	3.00	YES
	2.480	2.649	1.84	3±1	4.00	2.51	<5	0.79114	3.00	YES

Conclusion:

For the max result : $0.99599 \leq$ FCC Limit 3.0 for 1g SAR.

Modulation	Channel Freq. (GHz)	Conducted power (dBm)	Conducted 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
EDR mode (GFSK)	2.402	-1.534	0.70	-1±1	0.00	1.00	<5	0.30997	3.00	YES
	2.441	-1.952	0.64	-1±1	0.00	1.00	<5	0.31247	3.00	YES
	2.480	-3.016	0.50	-3±1	-2.00	0.63	<5	0.19873	3.00	YES

Conclusion:

For the max result : $0.31247 \leq$ FCC Limit 3.0 for 1g SAR.