FCC ID:2A8ZB-G302

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:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]·[√f(GHZ)] ≤ 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.

EDR:

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
GFSK	2.402	1.612	1.45	1±1	2.00	1.58	<5	0.49127	3.00	YES
	2.441	2.033	1.60	2±1	3.00	2.00	<5	0.62347	3.00	YES
	2.480	2.248	1.68	2±1	3.00	2.00	<5	0.62843	3.00	YES
π /4DQPSK	2.402	1.501	1.41	1±1	2.00	1.58	<5	0.49127	3.00	YES
	2.441	1.91	1.55	1±1	2.00	1.58	<5	0.49524	3.00	YES
	2.480	2.269	1.69	2±1	3.00	2.00	<5	0.62843	3.00	YES
8DQPSK	2.402	1.603	1.45	1±1	2.00	1.58	<5	0.49127	3.00	YES
	2.441	1.785	1.51	1±1	2.00	1.58	<5	0.49524	3.00	YES
	2.480	2.173	1.65	2±1	3.00	2.00	<5	0.62843	3.00	YES

BLE:1M

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
GFSK	2.402	1.653	1.46	1±1	2.00	1.58	<5	0.49127	3.00	YES
	2.44	1.785	1.51	1±1	2.00	1.58	<5	0.49514	3.00	YES
	2.480	0.579	1.14	0±1	1.00	1.26	<5	0.39651	3.00	YES

BLE:2M

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
GFSK	2.402	2.43	1.75	2±1	3.00	2.00	<5	0.61847	3.00	YES
	2.44	2.127	1.63	2±1	3.00	2.00	<5	0.62334	3.00	YES
	2.480	0.579	1.14	0±1	1.00	1.26	<5	0.39651	3.00	YES

Conclusion:

For the max result : 0.62843≤ FCC Limit 3.0 for 1g SAR.