FCC ID: 2ARI7BBOX1

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	-3.46	0.45	-3±1	-2.00	0.63	<5	0.19558	3.00	YES
	2.441	-1.809	0.66	-1±1	0.00	1.00	<5	0.31247	3.00	YES
	2.480	-1.444	0.72	-1±1	0.00	1.00	<5	0.31496	3.00	YES
π /4DQPSK	2.402	-2.654	0.54	-2±1	-1.00	0.79	<5	0.24622	3.00	YES
	2.441	-0.863	0.82	0±1	1.00	1.26	<5	0.39338	3.00	YES
	2.480	-0.579	0.88	0±1	1.00	1.26	<5	0.39651	3.00	YES

BLE:

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	-3.047	0.50	-3±1	-2.00	0.63	<5	0.19558	3.00	YES
	2.44	-2.078	0.62	-2±1	-1.00	0.79	<5	0.24816	3.00	YES
	2.480	-2.161	0.61	-2±1	-1.00	0.79	<5	0.25018	3.00	YES

Conclusion:

For the max result : 0.39651≤ FCC Limit 3.0 for 1g SAR.