FCC ID:2AZGX-T9

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)]·[$\sqrt{f(GHZ)}$] ≤ 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.

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
GFSK-EDR	2.402	3.241	2.11	4±1	5.00	3.16	<5	0.98020	3.00	YES
	2.441	3.802	2.40	4±1	5.00	3.16	<5	0.98813	3.00	YES
	2.480	2.473	1.77	3±1	4.00	2.51	<5	0.79114	3.00	YES
Pi/4 DQPSK-EDR	2.402	2.515	1.78	3±1	4.00	2.51	<5	0.77860	3.00	YES
	2.441	3.031	2.01	34±1	5.00	3.16	<5	0.98813	3.00	YES
	2.480	2.103	1.62	3±1	4.00	2.51	<5	0.79114	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-BLE	2.402	-0.594	0.87	0±1	1.00	1.26	<5	0.39023	3.00	YES
	2.44	0.217	1.05	1±1	2.00	1.58	<5	0.49514	3.00	YES
	2.480	0.971	1.25	1±1	2.00	1.58	<5	0.49918	3.00	YES

Conclusion:

For the max result : 0.98813 ≤ FCC Limit 3.0 for 1g SAR.