FCC ID:2ABU6-STAG11

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.

BLE:

Antenna Type: PCB Antenna Antenna Gain: 6.63dBi

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	1g SAR Exclusion threshold	SAR test exclusion
GFSK(1M)	2.402	1.11	1.291	1±1	2.0	1.585	<5	0.49127	3.00	YES
	2.440	1.18	1.312	1±1	2.0	1.585	<5	0.49514	3.00	YES
	2.480	0.02	1.005	1±1	2.0	1.585	<5	0.49918	3.00	YES
GFSK(2M)	2.402	1.12	1.294	1±1	2.0	1.585	<5	0.49127	3.00	YES
	2.440	1.19	1.315	1±1	2.0	1.585	<5	0.49514	3.00	YES
	2.480	0.01	1.002	1±1	2.0	1.585	<5	0.49918	3.00	YES

Conclusion:

For the max result : 0.49918≤ 3.0 for 1-g SAR, No SAR is required.

Signature: **Date:** 2022-05-06

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