FCC ID:YB2-A505

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.

BR+EDR:

Antenna Type: PIFA Antenna Antenna Gain: -0.5 dBi

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	2.402	5.89	3.882	5±1	6.0	3.981	<5	1.23400	3.00	YES
	2.441	4.76	2.992	5±1	6.0	3.981	<5	1.24398	3.00	YES
	2.480	6.51	4.477	6±1	7.0	5.012	<5	1.57854	3.00	YES
π/4-DQPSK	2.402	5.03	3.184	5±1	6.0	3.981	<5	1.23400	3.00	YES
	2.441	5.38	3.451	5±1	6.0	3.981	<5	1.24398	3.00	YES
	2.480	6.1	4.074	6±1	7.0	5.012	<5	1.57854	3.00	YES
8DPSK	2.402	7.06	5.082	8±1	9.0	7.943	<5	2.46216	3.00	YES
	2.441	8.86	7.691	8±1	9.0	7.943	<5	2.48207	3.00	YES
	2.480	8.71	7.430	8±1	9.0	7.943	<5	2.50182	3.00	YES

Conclusion:

For the max result : 2.50182≤ 3.0 for 1-g SAR, No SAR is required.

Alex

Signature: **Date:** 2022-04-26

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