FCC ID: 2ARRB-HK125

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:

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	2.706	1.86	3±1	4	2.51	<5	0.77860	3.00	YES
	2.441	2.571	1.81	3±1	4	2.51	<5	0.78490	3.00	YES
	2.480	3.976	2.50	3±1	4	2.51	<5	0.79114	3.00	YES
π/4-DQPSK	2.402	0.262	1.06	0±1	1	1.26	<5	0.39023	3.00	YES
	2.441	-0.132	0.97	0±1	1	1.26	<5	0.39338	3.00	YES
	2.480	0.338	1.08	0±1	1	1.26	<5	0.39651	3.00	YES
8-DQPSK	2.402	0.655	1.16	0±1	1	1.26	<5	0.39023	3.00	YES
	2.441	0.375	1.09	0±1	1	1.26	<5	0.39338	3.00	YES
	2.480	0.987	1.26	0±1	1	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	5.015	3.17	5±1	6	3.98	<5	1.23400	3.00	YES
	2.440	5.649	3.67	5±1	6	3.98	<5	1.24373	3.00	YES
	2.480	5.219	3.33	5±1	6	3.98	<5	1.25388	3.00	YES

Conclusion:
For the max result : 1.25388 ≤ 3.0 for 1g SAR, SAR is not required.

Signature: **Date:** 2021-10-11

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