FCC ID: 2AYOQ-I48DSP

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.

BT 2402MHz~2480MHz；PCB Antenna；Antenna Gain :0.9 dBi
EIRP= conducted power+ Antenna Gain

Modulation	Channel Freq. (GHz)	EIRP power (dBm)	EIRP 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	1.79	1.51	2±1	3	2.00	<5	0.61847	3.00	YES
	2.441	2.12	1.63	2±1	3	2.00	<5	0.62347	3.00	YES
	2.480	1.99	1.58	2±1	3	2.00	<5	0.62843	3.00	YES
π/4-DQPSK	2.402	2.54	1.79	3±1	4	2.51	<5	0.77860	3.00	YES
	2.441	2.95	1.97	3±1	4	2.51	<5	0.78490	3.00	YES
	2.480	3.14	2.06	3±1	4	2.51	<5	0.79114	3.00	YES
8-DQPSK	2.402	3.57	2.28	4±1	5	3.16	<5	0.98020	3.00	YES
	2.441	3.9	2.45	4±1	5	3.16	<5	0.98813	3.00	YES
	2.480	3.85	2.43	4±1	5	3.16	<5	0.99599	3.00	YES
BLE 1M	2.402	4.85	3.05	5±1	6	3.98	<5	1.23400	3.00	YES
	2.440	5.17	3.29	5±1	6	3.98	<5	1.24373	3.00	YES
	2.480	4.91	3.10	5±1	6	3.98	<5	1.25388	3.00	YES
BLE 2M	2.402	4.96	3.13	5±1	6	3.98	<5	1.23400	3.00	YES
	2.440	5.31	3.40	5±1	6	3.98	<5	1.24373	3.00	YES
	2.480	5.06	3.21	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:** 2025-05-15

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