

FCC ID: 2APQ9-L7CPRO

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:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where:

- $f(\text{GHz})$ 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.

PCB: LIPRO BLE V0120012312

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(1Mbps)	2.480	-13.39	0.05	-13±1	-12.00	0.06	<5	0.01987	3.00	YES
GFSK(2Mbps)	2.480	-13.42	0.05	-13±1	-12.00	0.06	<5	0.01987	3.00	YES

PCB: L7-PRO3-R-V06

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(1Mbps)	2.480	-9.73	0.11	-9±1	-8.00	0.16	<5	0.04992	3.00	YES
GFSK(2Mbps)	2.480	-9.73	0.11	-9±1	-8.00	0.16	<5	0.04992	3.00	YES

For the Max simultaneous transmission

Evaluation mode	Result calculation	Total Result calculation	SAR Exclusion threshold	Result
PCB: LIPRO BLE V0120012312	0.01987	0.06979	3.0	Pass
PCB: L7-PRO3-R-V06	0.04992			

Conclusion:

For the max result :0.06979<3, the SAR testing is not required.