

FCC ID: PLE-KM-7500

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(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.

GFSK/π/4-DQPSK:

Antenna Type : PCB Antenna

Antenna Gain: -1 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	-3.46	0.451	-3±1	-2	0.631	<5	0.19558	3.00	YES
	2.441	-2.821	0.522	-3±1	-2	0.631	<5	0.19716	3.00	YES
	2.48	-2.87	0.516	-3±1	-2	0.631	<5	0.19873	3.00	YES
π/4-DQPSK	2.402	-2.925	0.510	-2±1	-1	0.794	<5	0.24622	3.00	YES
	2.441	-2.279	0.592	-2±1	-1	0.794	<5	0.24821	3.00	YES
	2.48	-2.304	0.588	-2±1	-1	0.794	<5	0.25018	3.00	YES

Conclusion:

For the max result : $0.25018 \leq 3.0$ for 1-g SAR, No SAR is required.

Signature:

Date: 2020-12-08

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