

FCC ID: ZY9-HXP490

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.

BT:

Modulation	Channel Freq. (GHz)	Conduct ed power (dBm)	Conducte d 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	1.314	1.353	1±1	2	1.585	<5	0.49127	3.00	YES
	2.441	0.652	1.162	1±1	2	1.585	<5	0.49524	3.00	YES
	2.480	0.492	1.120	1±1	2	1.585	<5	0.49918	3.00	YES
π/4-DQPSK	2.402	1.308	1.351	1±1	2	1.585	<5	0.49127	3.00	YES
	2.441	0.724	1.181	1±1	2	1.585	<5	0.49524	3.00	YES
	2.480	0.654	1.163	1±1	2	1.585	<5	0.49918	3.00	YES
8DPSK	2.402	1.772	1.504	1±1	2	1.585	<5	0.49127	3.00	YES
	2.441	1.192	1.316	1±1	2	1.585	<5	0.49524	3.00	YES
	2.480	1.143	1.301	1±1	2	1.585	<5	0.49918	3.00	YES

Conclusion:

For the max result : 0.49918 ≤ 3.0 for 1-g SAR, No SAR is required.

Signature:

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