

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.

BT:

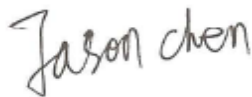
Modulation	Channel Freq. (GHz)	Conduct ed power (dBm)	Conducte d power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Distance (mm)	Result calculation	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	6.27	4.24	6±1	7.00	5.01	<5	1.55352	3.00	YES
	2.441	6.06	4.04	6±1	7.00	5.01	<5	1.56608	3.00	YES
	2.480	5.24	3.34	6±1	7.00	5.01	<5	1.57854	3.00	YES
$\pi/4$ -DQPSK	2.402	5.12	3.25	5±1	6.00	3.98	<5	1.23400	3.00	YES
	2.441	4.97	3.14	5±1	6.00	3.98	<5	1.24398	3.00	YES
	2.480	4.24	2.65	5±1	6.00	3.98	<5	1.25388	3.00	YES
8DPSK	2.402	5.47	3.52	5±1	6.00	3.98	<5	1.23400	3.00	YES
	2.441	5.34	3.42	5±1	6.00	3.98	<5	1.24398	3.00	YES
	2.480	4.54	2.84	5±1	6.00	3.98	<5	1.25388	3.00	YES

BLE:

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	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	6.23	4.20	6±1	7.00	5.01	<5	1.55352	3.00	YES
	2.440	6.00	3.98	6±1	7.00	5.01	<5	1.56576	3.00	YES
	2.480	5.07	3.21	6±1	7.00	5.01	<5	1.57854	3.00	YES

Conclusion:

For the max result : $1.57854\text{W/Kg} \leq \text{FCC Limit } 1.6\text{W/Kg}$ for 1g SAR.



Signature:

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