

FCC ID: 2AHI6-BT-56

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

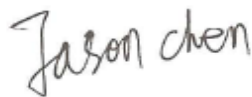
When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

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	5.85	3.85	5±1	6.00	3.98	<5	1.23400	3.00	YES
	2.441	6.23	4.20	6±1	7.00	5.01	<5	1.56608	3.00	YES
	2.480	6.2	4.17	6±1	7.00	5.01	<5	1.57854	3.00	YES
π/4-DQPSK	2.402	5.27	3.37	5±1	6.00	3.98	<5	1.23400	3.00	YES
	2.441	5.66	3.68	5±1	6.00	3.98	<5	1.24398	3.00	YES
	2.480	5.64	3.66	5±1	6.00	3.98	<5	1.25388	3.00	YES
8DPSK	2.402	5.46	3.52	5±1	6.00	3.98	<5	1.23400	3.00	YES
	2.441	5.83	3.83	5±1	6.00	3.98	<5	1.24398	3.00	YES
	2.480	5.8	3.80	5±1	6.00	3.98	<5	1.25388	3.00	YES

Conclusion:

For the max result : $1.57854\text{W/Kg} \leq 3.0$ for 1g SAR, No SAR is required.



Signature:

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