

FCC ID: 2AZLO-WB440

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.

BR+EDR/WIFI:

Antenna Type: Ceramics Antenna

Antenna Gain: 0dBi

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	1.98	1.578	2±1	3.0	1.995	<5	0.61847	3.00	YES
	2.441	1.06	1.276	2±1	3.0	1.995	<5	0.62347	3.00	YES
	2.480	1.45	1.396	2±1	3.0	1.995	<5	0.62843	3.00	YES
$\pi/4$ -DQPSK	2.402	1.02	1.265	1±1	2.0	1.585	<5	0.49127	3.00	YES
	2.441	0.22	1.052	1±1	2.0	1.585	<5	0.49524	3.00	YES
	2.480	1.22	1.324	1±1	2.0	1.585	<5	0.49918	3.00	YES
8DPSK	2.402	1	1.259	1±1	2.0	1.585	<5	0.49127	3.00	YES
	2.441	0.21	1.050	1±1	2.0	1.585	<5	0.49524	3.00	YES
	2.480	1.04	1.271	1±1	2.0	1.585	<5	0.49918	3.00	YES
802.11b	2.412	9.42	8.750	8.5±1	9.5	8.913	<5	2.76834	3.00	YES
	2.437	9.43	8.770	8.5±1	9.5	8.913	<5	2.78264	3.00	YES
	2.462	9.21	8.337	8.5±1	9.5	8.913	<5	2.79688	3.00	YES
802.11g	2.412	9.01	7.962	8.5±1	9.5	8.913	<5	2.76834	3.00	YES
	2.437	9.4	8.710	8.5±1	9.5	8.913	<5	2.78264	3.00	YES
	2.462	9.01	7.962	8.5±1	9.5	8.913	<5	2.79688	3.00	YES
802.11n20	2.412	9.08	8.091	8.5±1	9.5	8.913	<5	2.76834	3.00	YES
	2.437	9.25	8.414	8.5±1	9.5	8.913	<5	2.78264	3.00	YES
	2.462	9.24	8.395	8.5±1	9.5	8.913	<5	2.79688	3.00	YES
802.11n40	2.422	8.74	7.482	8.5±1	9.5	8.913	<5	2.77407	3.00	YES
	2.437	8.79	7.568	8.5±1	9.5	8.913	<5	2.78264	3.00	YES
	2.452	9.05	8.035	8.5±1	9.5	8.913	<5	2.79120	3.00	YES

Conclusion:

For the max result : $2.79688 \leq 3.0$ for 1-g SAR, No SAR is required.


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