

FCC ID: 2AAWC MAXIMUS II

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	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	8.78	7.55	8.5±1	9.50	8.91	<5	2.76259	3.00	YES
	2.441	8.92	7.80	8.5±1	9.50	8.91	<5	2.78493	3.00	YES
	2.480	9.19	8.30	8.5±1	9.50	8.91	<5	2.80709	3.00	YES
π/4-DQPSK	2.402	5.86	3.85	5.5±1	6.50	4.47	<5	1.38458	3.00	YES
	2.441	6.03	4.01	5.5±1	6.50	4.47	<5	1.39577	3.00	YES
	2.480	6.3	4.27	5.5±1	6.50	4.47	<5	1.40688	3.00	YES
8DPSK	2.402	6.4	4.37	6±1	7.00	5.01	<5	1.55352	3.00	YES
	2.441	6.45	4.42	6±1	7.00	5.01	<5	1.56608	3.00	YES
	2.480	6.71	4.69	6±1	7.00	5.01	<5	1.57854	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	7.34	5.42	7±1	8.00	6.31	<5	1.95576	3.00	YES
	2.44	7.42	5.52	7±1	8.00	6.31	<5	1.97117	3.00	YES
	2.480	7.91	6.18	7±1	8.00	6.31	<5	1.98727	3.00	YES

WIFI:

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
802.11b	2.412	8.794	7.58	8±1	9.00	7.94	<5	2.46728	3.00	YES
	2.437	8.984	7.91	8±1	9.00	7.94	<5	2.48003	3.00	YES
	2.462	8.884	7.73	8±1	9.00	7.94	<5	2.49272	3.00	YES
802.11g	2.412	7.288	5.36	8±1	9.00	7.94	<5	2.46728	3.00	YES
	2.437	7.358	5.44	8±1	9.00	7.94	<5	2.48003	3.00	YES
	2.462	8.388	6.90	8±1	9.00	7.94	<5	2.49272	3.00	YES
802.11n20	2.412	7.098	5.13	7±1	8.00	6.31	<5	1.95983	3.00	YES
	2.437	7.188	5.23	7±1	8.00	6.31	<5	1.96996	3.00	YES
	2.462	7.178	5.22	7±1	8.00	6.31	<5	1.98004	3.00	YES

Conclusion:

For the max result : $2.8071 \leq 3.0$ for 1g SAR, No SAR is required.

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Signature:

Date: 2016-8-31

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