

**FCC ID: 2AAMS-M116ZH**

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  $\leq 50$  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  $\leq 7.5$  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 calculatio n	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	-2.65	0.54	-2±1	-1.00	0.79	<5	0.24622	3.00	YES
	2.441	-2.37	0.58	-2±1	-1.00	0.79	<5	0.24821	3.00	YES
	2.480	-2.94	0.51	-2±1	-1.00	0.79	<5	0.25018	3.00	YES
Pi/4 DQPSK	2.402	-1.3	0.74	-1±1	0.00	1.00	<5	0.30997	3.00	YES
	2.441	-0.88	0.82	-1±1	0.00	1.00	<5	0.31247	3.00	YES
	2.480	-1.38	0.73	-1±1	0.00	1.00	<5	0.31496	3.00	YES
8DPSK	2.402	-0.8	0.83	-1±1	0.00	1.00	<5	0.30997	3.00	YES
	2.441	-0.58	0.87	-1±1	0.00	1.00	<5	0.31247	3.00	YES
	2.480	-1.14	0.77	-1±1	0.00	1.00	<5	0.31496	3.00	YES

2.4G 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 calculatio n	SAR Exclusion threshold	SAR test exclusion
802.11b (The worst mode)	2.412	5.6	3.63	6±1	7.00	5.01	<5	1.55675	3.00	YES
	2.437	5.86	3.85	6±1	7.00	5.01	<5	1.56480	3.00	YES
	2.462	6.78	4.76	6±1	7.00	5.01	<5	1.57280	3.00	YES
802.11g (The worst mode)	2.412	4.97	3.14	5±1	6.00	3.98	<5	1.23657	3.00	YES
	2.437	4.76	2.99	5±1	6.00	3.98	<5	1.24296	3.00	YES
	2.462	4.87	3.07	5±1	6.00	3.98	<5	1.24932	3.00	YES
802.11n20 (MIMO)	2.412	7.11	5.14	7±1	8.00	6.31	<5	1.95983	3.00	YES
	2.437	6.81	4.80	7±1	8.00	6.31	<5	1.96996	3.00	YES
	2.462	7.27	5.33	7±1	8.00	6.31	<5	1.98004	3.00	YES
802.11n40 (MIMO)	2.422	7.02	5.04	7±1	8.00	6.31	<5	1.96389	3.00	YES
	2.437	6.86	4.85	7±1	8.00	6.31	<5	1.96996	3.00	YES
	2.452	7.48	5.60	7±1	8.00	6.31	<5	1.97601	3.00	YES

**5.1G 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 calculatio n	SAR Exclusion threshold	SAR test exclusion
802.11a (The worst mode)	5.180	5.66	3.68	5±1	6.00	3.98	<5	1.81215	3.00	YES
	5.200	5.61	3.64	5±1	6.00	3.98	<5	1.81565	3.00	YES
	5.240	4.58	2.87	5±1	6.00	3.98	<5	1.82262	3.00	YES
802.11n20 (MIMO)	5.180	6.84	4.83	6±1	7.00	5.01	<5	2.28137	3.00	YES
	5.200	6.69	4.67	6±1	7.00	5.01	<5	2.28577	3.00	YES
	5.240	6.51	4.48	6±1	7.00	5.01	<5	2.29454	3.00	YES
802.11n40 (MIMO)	5.190	6.67	4.65	6±1	7.00	5.01	<5	2.28357	3.00	YES
	5.230	6.38	4.35	6±1	7.00	5.01	<5	2.29235	3.00	YES
802.11ac20 (MIMO)	5.180	6.74	4.72	6±1	7.00	5.01	<5	2.28137	3.00	YES
	5.200	6.41	4.38	6±1	7.00	5.01	<5	2.28577	3.00	YES
	5.240	6.29	4.26	6±1	7.00	5.01	<5	2.29454	3.00	YES
802.11ac40 (MIMO)	5.190	6.46	4.43	6±1	7.00	5.01	<5	2.28357	3.00	YES
	5.230	5.95	3.94	6±1	7.00	5.01	<5	2.29235	3.00	YES
802.11ac80 (MIMO)	5.210	6.140	4.11	6±1	7.00	5.01	<5	2.28796	3.00	YES

**5.8G 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 calculatio n	SAR Exclusion threshold	SAR test exclusion
802.11a (The worst mode)	5.745	5.82	3.82	5±1	6.00	3.98	<5	1.90842	3.00	YES
	5.785	4.73	2.97	5±1	6.00	3.98	<5	1.91506	3.00	YES
	5.825	3.60	2.29	4±1	5.00	3.16	<5	1.52643	3.00	YES
802.11n20 (MIMO)	5.745	6.90	4.90	6±1	7.00	5.01	<5	2.40256	3.00	YES
	5.785	6.67	4.65	6±1	7.00	5.01	<5	2.41091	3.00	YES
	5.825	5.97	3.95	6±1	7.00	5.01	<5	2.41923	3.00	YES
802.11n40 (MIMO)	5.755	6.76	4.74	6±1	7.00	5.01	<5	2.40465	3.00	YES
	5.795	6.53	4.50	6±1	7.00	5.01	<5	2.41300	3.00	YES
802.11ac20 (MIMO)	5.745	6.75	4.73	6±1	7.00	5.01	<5	2.40256	3.00	YES
	5.785	6.56	4.53	6±1	7.00	5.01	<5	2.41091	3.00	YES
	5.825	5.70	3.72	6±1	7.00	5.01	<5	2.41923	3.00	YES
802.11ac40 (MIMO)	5.755	6.67	4.65	6±1	7.00	5.01	<5	2.40465	3.00	YES
	5.795	6.35	4.32	6±1	7.00	5.01	<5	2.41300	3.00	YES
802.11ac80 (MIMO)	5.775	6.56	4.53	6±1	7.00	5.01	<5	2.40883	3.00	YES

**Conclusion:**

For the max result : 2.41923W/Kg ≤ FCC Limit 3.0 for 1g SAR.

The Product unsupported at the same time to Transmitting.