

FCC ID: 2BMXI-CMV1WU**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.

BLE1M:

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	1.556	1.43	1±1	2.00	1.58	<5	0.49127	3.00	YES
	2.441	1.644	1.46	1±1	2.00	1.58	<5	0.49524	3.00	YES
	2.480	1.125	1.30	1±1	2.00	1.58	<5	0.49918	3.00	YES

2.4GWIFI:

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	2.412	7.647	5.82	7±1	8.00	6.31	<5	1.95983	3.00	YES
	2.437	7.79	6.01	7±1	8.00	6.31	<5	1.96996	3.00	YES
	2.462	7.615	5.77	7±1	8.00	6.31	<5	1.98004	3.00	YES
802.11g	2.412	7.637	5.80	7±1	8.00	6.31	<5	1.95983	3.00	YES
	2.437	7.798	6.02	7±1	8.00	6.31	<5	1.96996	3.00	YES
	2.462	7.498	5.62	7±1	8.00	6.31	<5	1.98004	3.00	YES
802.11n(HT20)	2.412	7.273	5.34	7±1	8.00	6.31	<5	1.95983	3.00	YES
	2.437	7.321	5.40	7±1	8.00	6.31	<5	1.96996	3.00	YES
	2.462	7.137	5.17	7±1	8.00	6.31	<5	1.98004	3.00	YES
802.11n(HT40)	2.422	7.686	5.87	7±1	8.00	6.31	<5	1.96389	3.00	YES
	2.437	7.655	5.83	7±1	8.00	6.31	<5	1.96996	3.00	YES
	2.452	7.603	5.76	7±1	8.00	6.31	<5	1.97601	3.00	YES
802.11ax(HE20)	2.412	7.42	5.52	7±1	8.00	6.31	<5	1.95983	3.00	YES
	2.437	7.495	5.62	7±1	8.00	6.31	<5	1.96996	3.00	YES
	2.462	7.994	6.30	7±1	8.00	6.31	<5	1.98004	3.00	YES
802.11ax(HE40)	2.422	7.524	5.65	7±1	8.00	6.31	<5	1.96389	3.00	YES
	2.437	7.534	5.67	7±1	8.00	6.31	<5	1.96996	3.00	YES
	2.452	7.464	5.58	7±1	8.00	6.31	<5	1.97601	3.00	YES

5.2GWIFI:

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
802.11a20	5.18	7.357	5.44	7±1	8.00	6.31	<5	2.87207	3.00	YES
	5.2	7.873	6.13	7±1	8.00	6.31	<5	2.87761	3.00	YES
	5.24	7.78	6.00	7±1	8.00	6.31	<5	2.88865	3.00	YES
802.11ac20	5.18	7.016	5.03	7±1	8.00	6.31	<5	2.87207	3.00	YES
	5.2	7.595	5.75	7±1	8.00	6.31	<5	2.87761	3.00	YES
	5.24	7.638	5.80	7±1	8.00	6.31	<5	2.88865	3.00	YES
802.11ac40	5.19	7.134	5.17	7±1	8.00	6.31	<5	2.87484	3.00	YES
	5.23	7.533	5.67	7±1	8.00	6.31	<5	2.88590	3.00	YES
802.11n(HT20)	5.18	7.313	5.39	7±1	8.00	6.31	<5	2.87207	3.00	YES
	5.2	7.637	5.80	7±1	8.00	6.31	<5	2.87761	3.00	YES
	5.24	7.739	5.94	7±1	8.00	6.31	<5	2.88865	3.00	YES
802.11n(HT40)	5.19	7.268	5.33	7±1	8.00	6.31	<5	2.87484	3.00	YES
	5.23	7.955	6.24	7±1	8.00	6.31	<5	2.88590	3.00	YES
802.11ax20	5.18	7.454	5.56	7±1	8.00	6.31	<5	2.87207	3.00	YES
	5.2	7.41	5.51	7±1	8.00	6.31	<5	2.87761	3.00	YES
	5.24	7.507	5.63	7±1	8.00	6.31	<5	2.88865	3.00	YES
802.11ax40	5.19	7.065	5.09	7±1	8.00	6.31	<5	2.87484	3.00	YES
	5.23	7.428	5.53	7±1	8.00	6.31	<5	2.88590	3.00	YES

5.8GWIFI

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
802.11a20	5.745	6.269	4.24	6±1	7.00	5.01	<5	2.40256	3.00	YES
	5.785	5.869	3.86	5±1	6.00	3.98	<5	1.91506	3.00	YES
	5.825	6.54	4.51	6±1	7.00	5.01	<5	2.41923	3.00	YES
802.11ac20	5.745	6.324	4.29	6±1	7.00	5.01	<5	2.40256	3.00	YES
	5.785	5.902	3.89	5±1	6.00	3.98	<5	1.91506	3.00	YES
	5.825	6.743	4.72	6±1	7.00	5.01	<5	2.41923	3.00	YES
802.11ac40	5.755	6.672	4.65	6±1	7.00	5.01	<5	2.40465	3.00	YES
	5.795	5.541	3.58	5±1	6.00	3.98	<5	1.91671	3.00	YES
802.11n(HT20)	5.745	6.396	4.36	6±1	7.00	5.01	<5	2.40256	3.00	YES
	5.785	5.995	3.98	5±1	6.00	3.98	<5	1.91506	3.00	YES
	5.825	6.718	4.70	6±1	7.00	5.01	<5	2.41923	3.00	YES
802.11n(HT40)	5.755	6.309	4.27	6±1	7.00	5.01	<5	2.40465	3.00	YES
	5.795	6.041	4.02	6±1	7.00	5.01	<5	2.41300	3.00	YES
802.11ax20	5.745	6.096	4.07	6±1	7.00	5.01	<5	2.40256	3.00	YES
	5.785	6.304	4.27	6±1	7.00	5.01	<5	2.41091	3.00	YES
	5.825	6.574	4.54	6±1	7.00	5.01	<5	2.41923	3.00	YES
802.11ax40	5.755	6.486	4.45	6±1	7.00	5.01	<5	2.40465	3.00	YES
	5.795	5.433	3.49	5±1	6.00	3.98	<5	1.91671	3.00	YES

Conclusion:

For the max result : $2.88865 \leq \text{FCC Limit } 3.0$ for 1g SAR.