

FCC ID:2BFN2-R12

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.

Left ear:

EDR:

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	3.909	2.46	3±1	4.00	2.51	<5	0.77860	3.00	YES
	2.441	4.162	2.61	4±1	5.00	3.16	<5	0.98813	3.00	YES
	2.480	2.293	1.70	2±1	3.00	2.00	<5	0.62843	3.00	YES
π /4DQPSK	2.402	4.536	2.84	4±1	5.00	3.16	<5	0.98020	3.00	YES
	2.441	4.802	3.02	4±1	5.00	3.16	<5	0.98813	3.00	YES
	2.480	2.924	1.96	2±1	3.00	2.00	<5	0.62843	3.00	YES
8DQPSK	2.402	3.76	2.38	3±1	4.00	2.51	<5	0.77860	3.00	YES
	2.441	4.015	2.52	4±1	5.00	3.16	<5	0.98813	3.00	YES
	2.480	2.145	1.64	2±1	3.00	2.00	<5	0.62843	3.00	YES

Right ear:

EDR:

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	2.115	1.63	2±1	3.00	2.00	<5	0.61847	3.00	YES
	2.441	1.892	1.55	1±1	2.00	1.58	<5	0.49524	3.00	YES
	2.480	1.554	1.43	1±1	2.00	1.58	<5	0.49918	3.00	YES
π /4DQPSK	2.402	2.826	1.92	2±1	3.00	2.00	<5	0.61847	3.00	YES
	2.441	2.69	1.86	2±1	3.00	2.00	<5	0.62347	3.00	YES
	2.480	2.271	1.69	2±1	3.00	2.00	<5	0.62843	3.00	YES
8DQPSK	2.402	1.822	1.52	1±1	2.00	1.58	<5	0.49127	3.00	YES
	2.441	1.626	1.45	1±1	2.00	1.58	<5	0.49524	3.00	YES
	2.480	1.275	1.34	1±1	2.00	1.58	<5	0.49918	3.00	YES

Left ear:

BLE:1M

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	2.217	1.67	2±1	3.00	2.00	<5	0.61847	3.00	YES
	2.44	1.516	1.42	1±1	2.00	1.58	<5	0.49514	3.00	YES
	2.480	0.276	1.07	0±1	1.00	1.26	<5	0.39651	3.00	YES

BLE:2M

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	1.674	1.47	1±1	2.00	1.58	<5	0.49127	3.00	YES
	2.44	1.667	1.47	1±1	2.00	1.58	<5	0.49514	3.00	YES
	2.480	0.417	1.10	0±1	1.00	1.26	<5	0.39651	3.00	YES

Right ear:

BLE:1M

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	2.349	1.72	2±1	3.00	2.00	<5	0.61847	3.00	YES
	2.44	0.232	1.05	0±1	1.00	1.26	<5	0.39330	3.00	YES
	2.480	-0.107	0.98	0±1	1.00	1.26	<5	0.39651	3.00	YES

BLE:2M

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	0.507	1.12	0±1	1.00	1.26	<5	0.39023	3.00	YES
	2.44	0.401	1.10	0±1	1.00	1.26	<5	0.39330	3.00	YES
	2.480	0.008	1.00	0±1	1.00	1.26	<5	0.39651	3.00	YES

Conclusion:For the max result : $0.98813 \leq$ FCC Limit 3.0 for 1g SAR.