

FCC ID:2BS4K-AICLIP

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.

EDR: Left ear:

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	1.652	1.46	1±1	2.00	1.58	<5	0.49127	3.00	YES
	2.441	2.006	1.59	2±1	3.00	2.00	<5	0.62347	3.00	YES
	2.480	2.38	1.73	2±1	3.00	2.00	<5	0.62843	3.00	YES
π /4DQPSK	2.402	2.542	1.80	2±1	3.00	2.00	<5	0.61847	3.00	YES
	2.441	2.812	1.91	2±1	3.00	2.00	<5	0.62347	3.00	YES
	2.480	3.173	2.08	3±1	4.00	2.51	<5	0.79114	3.00	YES
8DQPSK	2.402	3.06	2.02	3±1	4.00	2.51	<5	0.77860	3.00	YES
	2.441	3.385	2.18	3±1	4.00	2.51	<5	0.78490	3.00	YES
	2.480	3.754	2.37	3±1	4.00	2.51	<5	0.79114	3.00	YES

EDR: Right ear:

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	6.952	4.96	6±1	7.00	5.01	<5	1.55352	3.00	YES
	2.441	7.566	5.71	7±1	8.00	6.31	<5	1.97158	3.00	YES
	2.480	6.561	4.53	6±1	7.00	5.01	<5	1.57854	3.00	YES
π /4DQPSK	2.402	7.58	5.73	7±1	8.00	6.31	<5	1.95576	3.00	YES
	2.441	4.71	2.96	4±1	5.00	3.16	<5	0.98813	3.00	YES
	2.480	7.24	5.30	7±1	8.00	6.31	<5	1.98727	3.00	YES
8DQPSK	2.402	4.577	2.87	4±1	5.00	3.16	<5	0.98020	3.00	YES
	2.441	5.18	3.30	5±1	6.00	3.98	<5	1.24398	3.00	YES
	2.480	4.161	2.61	4±1	5.00	3.16	<5	0.99599	3.00	YES

BLE: Left ear:

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	1.825	1.52	1±1	2.00	1.58	<5	0.49127	3.00	YES
	2.44	2.001	1.59	2±1	3.00	2.00	<5	0.62334	3.00	YES
	2.480	2.347	1.72	2±1	3.00	2.00	<5	0.62843	3.00	YES

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	1.677	1.47	1±1	2.00	1.58	<5	0.49127	3.00	YES
	2.44	2.004	1.59	2±1	3.00	2.00	<5	0.62334	3.00	YES
	2.480	2.374	1.73	2±1	3.00	2.00	<5	0.62843	3.00	YES

BLE: Right ear:

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	6.939	4.94	6±1	7.00	5.01	<5	1.55352	3.00	YES
	2.44	7.552	5.69	7±1	8.00	6.31	<5	1.97117	3.00	YES
	2.480	6.519	4.49	6±1	7.00	5.01	<5	1.57854	3.00	YES

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	6.894	4.89	6±1	7.00	5.01	<5	1.55352	3.00	YES
	2.44	7.539	5.67	7±1	8.00	6.31	<5	1.97117	3.00	YES
	2.480	6.541	4.51	6±1	7.00	5.01	<5	1.57854	3.00	YES

Conclusion:

For the max result : 1.98727≤ FCC Limit 3.0 for 1g SAR.