

FCC ID:2BDBE-SANWRGT

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	5.612	3.64	5±1	6.00	3.98	<5	1.23400	3.00	YES
	2.441	5.642	3.67	5±1	6.00	3.98	<5	1.24398	3.00	YES
	2.480	5.832	3.83	5±1	6.00	3.98	<5	1.25388	3.00	YES
π /4DQPSK	2.402	5.75	3.76	5±1	6.00	3.98	<5	1.23400	3.00	YES
	2.441	5.731	3.74	5±1	6.00	3.98	<5	1.24398	3.00	YES
	2.480	5.886	3.88	5±1	6.00	3.98	<5	1.25388	3.00	YES
8DQPSK	2.402	5.997	3.98	5±1	6.00	3.98	<5	1.23400	3.00	YES
	2.441	5.916	3.90	5±1	6.00	3.98	<5	1.24398	3.00	YES
	2.480	6.108	4.08	6±1	7.00	5.01	<5	1.57854	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	5.861	3.86	5±1	6.00	3.98	<5	1.23400	3.00	YES
	2.441	5.848	3.84	5±1	6.00	3.98	<5	1.24398	3.00	YES
	2.480	5.963	3.95	5±1	6.00	3.98	<5	1.25388	3.00	YES
π /4DQPSK	2.402	5.858	3.85	5±1	6.00	3.98	<5	1.23400	3.00	YES
	2.441	5.799	3.80	5±1	6.00	3.98	<5	1.24398	3.00	YES
	2.480	5.939	3.93	5±1	6.00	3.98	<5	1.25388	3.00	YES
8DQPSK	2.402	6.005	3.99	6±1	7.00	5.01	<5	1.55352	3.00	YES
	2.441	5.959	3.94	5±1	6.00	3.98	<5	1.24398	3.00	YES
	2.480	6.079	4.05	6±1	7.00	5.01	<5	1.57854	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	5.651	3.67	5±1	6.00	3.98	<5	1.23400	3.00	YES
	2.44	5.568	3.60	5±1	6.00	3.98	<5	1.24373	3.00	YES
	2.480	5.633	3.66	5±1	6.00	3.98	<5	1.25388	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	5.496	3.54	5±1	6.00	3.98	<5	1.23400	3.00	YES
	2.44	5.442	3.50	5±1	6.00	3.98	<5	1.24373	3.00	YES
	2.480	5.573	3.61	5±1	6.00	3.98	<5	1.25388	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	5.109	3.24	5±1	6.00	3.98	<5	1.23400	3.00	YES
	2.44	5.058	3.20	5±1	6.00	3.98	<5	1.24373	3.00	YES
	2.480	5.304	3.39	5±1	6.00	3.98	<5	1.25388	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	4.877	3.07	5±1	6.00	3.98	<5	1.23400	3.00	YES
	2.44	4.876	3.07	5±1	6.00	3.98	<5	1.24373	3.00	YES
	2.480	5.1	3.24	5±1	6.00	3.98	<5	1.25388	3.00	YES

Conclusion:For the max result : $1.57854 \leq \text{FCC Limit } 3.0$ for 1g SAR.