

**FCC ID: 2ANQ6-MZTW50S**

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: Left

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	4.30	2.69	4±1	5	3.16	<5	0.98020	3.00	YES
	2.44	4.48	2.81	4±1	5	3.16	<5	0.98793	3.00	YES
	2.480	4.05	2.54	4±1	5	3.16	<5	0.99599	3.00	YES
$\pi/4$ -DQPSK	2.402	4.33	2.71	4±1	5	3.16	<5	0.98020	3.00	YES
	2.44	4.80	3.02	4±1	5	3.16	<5	0.98793	3.00	YES
	2.480	4.07	2.55	4±1	5	3.16	<5	0.99599	3.00	YES
8-DPSK	2.402	4.32	2.70	4±1	5	3.16	<5	0.98020	3.00	YES
	2.44	4.56	2.86	4±1	5	3.16	<5	0.98793	3.00	YES
	2.480	4.01	2.52	4±1	5	3.16	<5	0.99599	3.00	YES

BLE:Left

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	2.23	1.67	2±1	3	2.00	<5	0.61847	3.00	YES
	2.44	2.80	1.91	2±1	3	2.00	<5	0.62334	3.00	YES
	2.480	2.05	1.60	2±1	3	2.00	<5	0.62843	3.00	YES

BT: Right

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	4.13	2.59	4±1	5	3.16	<5	0.98020	3.00	YES
	2.44	4.19	2.62	4±1	5	3.16	<5	0.98793	3.00	YES
	2.480	3.66	2.32	4±1	5	3.16	<5	0.99599	3.00	YES
π/4-DQPSK	2.402	4.12	2.58	4±1	5	3.16	<5	0.98020	3.00	YES
	2.44	4.18	2.62	4±1	5	3.16	<5	0.98793	3.00	YES
	2.480	3.64	2.31	4±1	5	3.16	<5	0.99599	3.00	YES
8-DPSK	2.402	3.13	2.06	4±1	5	3.16	<5	0.98020	3.00	YES
	2.44	4.25	2.66	4±1	5	3.16	<5	0.98793	3.00	YES
	2.480	3.17	2.07	4±1	5	3.16	<5	0.99599	3.00	YES

BLE

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	1.83	1.52	2±1	3	2.00	<5	0.61847	3.00	YES
	2.44	2.40	1.74	2±1	3	2.00	<5	0.62334	3.00	YES
	2.480	1.05	1.27	2±1	3	2.00	<5	0.62843	3.00	YES

**Conclusion:**

For the max result : 0.99599W/Kg ≤ 3.0 for 1g SAR, No SAR is required.

*Jason chen*

**Signature:**

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