

FCC ID: 2AYBH-HT01**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.

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	4.42	2.77	5±1	6	3.98	<5	1.23400	3.00	YES
	2.441	5.25	3.35	5±1	6	3.98	<5	1.24398	3.00	YES
	2.480	4.49	2.81	5±1	6	3.98	<5	1.25388	3.00	YES
$\pi/4$ -DQPSK	2.402	4.36	2.73	5±1	6	3.98	<5	1.23400	3.00	YES
	2.441	5.29	3.38	5±1	6	3.98	<5	1.24398	3.00	YES
	2.480	4.45	2.79	5±1	6	3.98	<5	1.25388	3.00	YES
8-DPSK	2.402	4.38	2.74	5±1	6	3.98	<5	1.23400	3.00	YES
	2.441	5.20	3.31	5±1	6	3.98	<5	1.24398	3.00	YES
	2.480	4.49	2.81	5±1	6	3.98	<5	1.25388	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 (1M)	2.402	5.520	3.56	5±1	6	3.98	<5	1.23400	3.00	YES
	2.440	3.090	2.04	4±1	5	3.16	<5	0.98793	3.00	YES
	2.480	5.440	3.50	5±1	6	3.98	<5	1.25388	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 calculation	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	3.90	2.45	3±1	4	2.51	<5	0.77860	3.00	YES
	2.441	3.70	2.34	3±1	4	2.51	<5	0.78490	3.00	YES
	2.480	2.12	1.63	3±1	4	2.51	<5	0.79114	3.00	YES
π/4-DQPSK	2.402	3.93	2.47	3±1	4	2.51	<5	0.77860	3.00	YES
	2.441	3.54	2.26	3±1	4	2.51	<5	0.78490	3.00	YES
	2.480	2.06	1.61	3±1	4	2.51	<5	0.79114	3.00	YES
8-DPSK	2.402	4.00	2.51	4	5	3.16	<5	0.98020	3.00	YES
	2.441	3.54	2.26	4	5	3.16	<5	0.98813	3.00	YES
	2.480	4.99	3.16	4	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 calculation	SAR Exclusion threshold	SAR test exclusion
GFSK (1M)	2.402	2	1.58	3±1	4	2.51	<5	0.77860	3.00	YES
	2.440	1.46	1.40	2±1	3	2.00	<5	0.62334	3.00	YES
	2.480	3.23	2.10	3±1	4	2.51	<5	0.79114	3.00	YES

Conclusion:

For the max result : $1.25388 \leq 3.0$ for 1g SAR, No SAR is required.



Signature:

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