

FCC ID:2A5HP-G18
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:

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	-1.03	0.79	-2±1	-1.00	0.79	<5	0.24622	3.00	YES
	2.441	0.01	1.00	0±1	1.00	1.26	<5	0.39338	3.00	YES
	2.480	0.39	1.09	0±1	1.00	1.26	<5	0.39651	3.00	YES
Pi/4 DQPSK	2.402	-0.18	0.96	-1±1	0.00	1.00	<5	0.30997	3.00	YES
	2.441	0.84	1.21	0±1	1.00	1.26	<5	0.39338	3.00	YES
	2.480	1.2	1.32	1±1	2.00	1.58	<5	0.49918	3.00	YES
8DPSK	2.402	0.39	1.09	0±1	1.00	1.26	<5	0.39023	3.00	YES
	2.441	1.41	1.38	1±1	2.00	1.58	<5	0.49524	3.00	YES
	2.480	1.75	1.50	1±1	2.00	1.58	<5	0.49918	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 1Mbps	2.402	6.41	4.38	6±1	7.00	5.01	<5	1.55352	3.00	YES
	2.44	7.03	5.05	7±1	8.00	6.31	<5	1.97117	3.00	YES
	2.480	7.23	5.28	7±1	8.00	6.31	<5	1.98727	3.00	YES
GFSK 2Mbps	2.402	6.51	4.48	6±1	7.00	5.01	<5	1.55352	3.00	YES
	2.44	7.14	5.18	7±1	8.00	6.31	<5	1.97117	3.00	YES
	2.480	6.65	4.62	6±1	7.00	5.01	<5	1.57854	3.00	YES

Conclusion:

For the max result : 1.97117 W/Kg $\leq$ FCC Limit 3.0 for 1g SAR.

The Product unsupported at the same time to Transmitting.