

FCC ID:2AX2T-EQ10PLUS

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 calculatio n	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	1.25	1.33	2±1	3.00	2.00	<5	0.61847	3.00	YES
	2.441	1.61	1.45	2±1	3.00	2.00	<5	0.62347	3.00	YES
	2.480	1.36	1.37	2±1	3.00	2.00	<5	0.62843	3.00	YES
Pi/4 DQPSK	2.402	2.06	1.61	3±1	4.00	2.51	<5	0.77860	3.00	YES
	2.441	2.33	1.71	3±1	4.00	2.51	<5	0.78490	3.00	YES
	2.480	2.06	1.61	3±1	4.00	2.51	<5	0.79114	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 1Mbps	2.402	5.35	3.43	6±1	7.00	5.01	<5	1.55352	3.00	YES
	2.44	5.66	3.68	6±1	7.00	5.01	<5	1.56576	3.00	YES
	2.480	5.54	3.58	6±1	7.00	5.01	<5	1.57854	3.00	YES
GFSK 2Mbps	2.402	5.48	3.53	6±1	7.00	5.01	<5	1.55352	3.00	YES
	2.44	5.82	3.82	6±1	7.00	5.01	<5	1.56576	3.00	YES
	2.480	5.71	3.72	6±1	7.00	5.01	<5	1.57854	3.00	YES

Conclusion:

For the max result : 1.57854 W/Kg $\leq$ FCC Limit 3.0 for 1g SAR.

The Product unsupported at the same time to Transmitting.