FCC ID: 2AXYP-OTW-330S-R

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:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]. $[\sqrt{f(GHZ)}] \le 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where:

- f(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:

Test Mode	Channel Frequency (GHz)	Conducted power (dBm)	Conducted 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	6.04	4.02	4+1	5.00	3.16	<5	1.384	3.00	YES
	2.441	4.97	3.14	3+1	4.00	2.51	<5	1.090	3.00	YES
	2.480	3.61	2.30	2+1	3.00	2.00	<5	0.804	3.00	YES
π/4- DQPSK	2.402	8.15	6.53	6+1	7.00	5.01	<5	2.249	3.00	YES
	2.441	7.00	5.01	5+1	6.00	3.98	<5	1.740	3.00	YES
	2.480	5.75	3.76	3+1	4.00	2.51	<5	1.315	3.00	YES
8-DPSK	2.402	7.73	5.93	5+1	6.00	3.98	<5	2.042	3.00	YES
	2.441	6.85	4.84	4+1	5.00	3.16	<5	1.681	3.00	YES
	2.480	5.86	3.85	3+1	4.00	2.51	<5	1.349	3.00	YES

BLE:

Test Mode	Channel Frequency (GHz)	Conducted power (dBm)	Conducted 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
BLE(1M)	2.402	6.09	4.06	4+1	5.00	3.16	<5	1.400	3.00	YES
	2.441	5.07	3.21	3+1	4.00	2.51	<5	1.116	3.00	YES
	2.480	4.07	2.55	2+1	3.00	2.00	<5	0.893	3.00	YES

Conclusion:

For the max result : 2.249≤ FCC Limit 3.0 for 1g SAR.