FCC ID: 2BLS6-C01TWS

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)]·[√f(GHZ)] ≤ 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.

EDR: Chip1

Modulation	Channel Freq. (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	1.893	1.55	1±1	2.00	1.58	<5	0.49127	3.00	YES
	2.441	2.06	1.61	2±1	3.00	2.00	<5	0.62347	3.00	YES
	2.480	1.581	1.44	1±1	2.00	1.58	<5	0.49918	3.00	YES
π/4DQPSK	2.402	2.609	1.82	2±1	3.00	2.00	<5	0.61847	3.00	YES
	2.441	2.718	1.87	2±1	3.00	2.00	<5	0.62347	3.00	YES
	2.480	2.23	1.67	2±1	3.00	2.00	<5	0.62843	3.00	YES
8DQPSK	2.402	2.865	1.93	2±1	3.00	2.00	<5	0.61847	3.00	YES
	2.441	2.985	1.99	2±1	3.00	2.00	<5	0.62347	3.00	YES
	2.480	2.375	1.73	2±1	3.00	2.00	<5	0.62843	3.00	YES

EDR: Chip2

Modulation	Channel Freq. (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	1.811	1.52	1±1	2.00	1.58	<5	0.49127	3.00	YES
	2.441	2.008	1.59	2±1	3.00	2.00	<5	0.62347	3.00	YES
	2.480	1.725	1.49	1±1	2.00	1.58	<5	0.49918	3.00	YES
π/4DQPSK	2.402	2.532	1.79	2±1	3.00	2.00	<5	0.61847	3.00	YES
	2.441	2.74	1.88	2±1	3.00	2.00	<5	0.62347	3.00	YES
	2.480	2.345	1.72	2±1	3.00	2.00	<5	0.62843	3.00	YES
8DQPSK	2.402	2.827	1.92	2±1	3.00	2.00	<5	0.61847	3.00	YES
	2.441	3.021	2.00	3±1	4.00	2.51	<5	0.78490	3.00	YES
	2.480	2.584	1.81	2±1	3.00	2.00	<5	0.62843	3.00	YES

BLE: Chip1

Modulation	Channel Freq. (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	0.952	1.25	0±1	1.00	1.26	<5	0.39023	3.00	YES
	2.44	0.337	1.08	0±1	1.00	1.26	<5	0.39330	3.00	YES
	2.480	-0.188	0.96	0±1	1.00	1.26	<5	0.39651	3.00	YES

BLE: Chip2

Modulation	Channel Freq. (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	0.368	1.09	0±1	1.00	1.26	<5	0.39023	3.00	YES
	2.44	0.591	1.15	0±1	1.00	1.26	<5	0.39330	3.00	YES
	2.480	0.26	1.06	0±1	1.00	1.26	<5	0.39651	3.00	YES

Conclusion:

For the max result : 0.78490≤ FCC Limit 3.0 for 1g SAR.