RF Exposure (FCC ID:BRCKW-PC7801)

Applicable Standard

According to §1.1307(b)(5), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline. This is a Portable device. **KDB447498 D01 V05 was used as the guidance.**

SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ≤ 50 mm

Approximate SAR Test Exclusion Power Thresholds at Selected Frequencies and Test Separation Distances are illustrated in the following Table.

MHz	5	10	15	20	25	mm
150	39	77	116	155	194	SAR Test Exclusion Threshold (mW)
300	27	55	82	110	137	
450	22	45	67	89	112	
835	16	33	49	66	82	
900	16	32	47	63	79	
1500	12	24	37	49	61	
1900	11	22	33	44	54	
2450	10	19	29	38	48	
3600	8	16	24	32	40	
5200	7	13	20	26	33	
5400	6	13	19	26	32	
5800	6	12	19	25	31	

For WiFi:

Maximum measured transmitter Conducted Power: 802.11b

Maximum Peak Conducted Power (dBm)	Maximum Conducted Power（AV）(dBm)	Maximum Conducted Power (mW)
8.66	6.82	4.81

Maximum measured transmitter Conducted Power: 802.11g

Maximum Peak Conducted Power (dBm)	Maximum Conducted Power（AV）(dBm)	Maximum Conducted Power (mW)
10.86	8.97	7.89

Maximum measured transmitter Conducted Power: 802.11n HT20

Maximum Peak Conducted Power (dBm)	Maximum Conducted Power（AV）(dBm)	Maximum Conducted Power (mW)
10.86	9.08	8.09

For BT:

Maximum measured transmitter Conducted Power: GFSK MOUDULATION

Maximum Peak Conducted Power (dBm)	Maximum Conducted Power（AV）(dBm)	Maximum Conducted Power (mW)
4.75	2.87	1.94

Maximum measured transmitter Conducted Power: Π /4-DQPSK MODULATION

Maximum Peak Conducted Power (dBm)	Maximum Conducted Power（AV）(dBm)	Maximum Conducted Power (mW)
3.61	1.75	1.50

Maximum measured transmitter Conducted Power: 8-DPSK MODULATION

Maximum Peak Conducted Power (dBm)	Maximum Conducted Power（AV）(dBm)	Maximum Conducted Power (mW)
3.56	1.72	1.49

Refer to 447498 25 D01 General RF Exposure Guidance v05 Appendix A, you see that for Maximum Conducted Output Power 8.09mW (<10mW), so no SAR is required.