

**RF Exposure (FCC ID: NW71023)**

**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	

**Note:** Prediction of MPE limit at a given distance 10mm

Maximum measured transmitter average power:802.11b

Conducted Power(dBm)	Max Antenna Gain (dBi)	EIRP(mw)
10.21	1.0	13.21

Maximum measured transmitter average power:802.11g

Conducted Power(dBm)	Max Antenna Gain (dBi)	EIRP(mw)
10.01	1.0	12.62

Maximum measured transmitter average power:802.11n HT20

Conducted Power(dBm)	Max Antenna Gain (dBi)	EIRP(mw)
9.81	1.0	12.05

Maximum measured transmitter average power:802.11n HT40

<b>Conducted Power(dBm)</b>	<b>Max Antenna Gain (dBi)</b>	<b>EIRP(mw)</b>
8.92	1.0	9.82

Refer to 447498 25 D01 General RF Exposure Guidance v05 Appendix A, you see that for Maximum Conducted Output Power 10.495 mW(<19mW), so no SAR is required.