



Audix Technology (Shenzhen) Co., Ltd.
No. 6, Kefeng Road, Science & Technology Park,
Nanshan District , Shenzhen, Guangdong, China

Tel: 0755 26639496
Fax: 0755 26632877

Maximum Permissive Exposure

FCC ID: 2AZ3IMP250
Product Name: PROJECTOR
M/N: MP250

1. According to FCC CFR 47 §1.1310, the criteria listed in the following table shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b).

Table 1 Limits for Maximum Permissible Exposure

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Average Time (Minutes)
(A) Limits for Occupational / Control Exposures (f = frequency)				
30-300	61.4	0.163	1.0	6
300-1500	---	---	f/300	6
1500-100,000	---	---	5.0	6
(B) Limits for General Population / Uncontrolled Exposures (f = frequency)				
30-300	27.5	0.073	0.2	30
300-1500	---	---	f/1500	30
1500-100,000	---	---	1.0	30

2. MPE Calculation

GT Technology Chongqing Limited declares that the product described above has been evaluated and found to comply with the RF exposure limits for humans, as specified based on ANSI/FCC recommendation.

RF Exposure Calculations: $S = (P * G) / (4 * \pi * r^2)$ or $r = \sqrt{(P * G) / (4 * \pi * S)}$

2.1. Estimation Result**Bluetooth:**

Mode	Frequency (MHz)	PK Output power (dBm)	Output power (mW)	antenna Gain (dBi)	antenna Gain (linear)	MPE (mW/cm ²)
GFSK (DSS)	2402	7.841	6.08	-2.31	0.59	0.00071
	2441	8.800	7.59	-2.31	0.59	0.00089
	2480	9.424	8.76	-2.31	0.59	0.00102
8-DPSK (DSS)	2402	6.747	4.73	-2.31	0.59	0.00055
	2441	7.360	5.45	-2.31	0.59	0.00064
	2480	7.660	5.83	-2.31	0.59	0.00068
GFSK (DTS) (1Mbps)	2402	4.487	2.81	-2.31	0.59	0.00033
	2440	4.950	3.13	-2.31	0.59	0.00037
	2480	4.954	3.13	-2.31	0.59	0.00037
GFSK (DTS) (2Mbps)	2402	4.495	2.82	-2.31	0.59	0.00033
	2440	4.964	3.14	-2.31	0.59	0.00037
	2480	4.948	3.12	-2.31	0.59	0.00037

WiFi 2.4GHz:

Mode	Frequency (MHz)	PK Output power (dBm)	Output power (mW)	antenna Gain (dBi)	antenna Gain (linear)	MPE (mW/cm ²)
11b (DTS)	2412	16.09	40.64	-2.31	0.59	0.00475
	2437	18.80	75.86	-2.31	0.59	0.00887
	2462	16.31	42.76	-2.31	0.59	0.00500
11g (DTS)	2412	15.57	36.06	-2.31	0.59	0.00422
	2437	15.21	33.19	-2.31	0.59	0.00388
	2462	15.75	37.58	-2.31	0.59	0.00439
11n HT20 (DTS)	2412	16.09	40.64	-2.31	0.59	0.00475
	2437	15.85	38.46	-2.31	0.59	0.00450
	2462	16.46	44.26	-2.31	0.59	0.00518



Audix Technology (Shenzhen) Co., Ltd.
No. 6, Kefeng Road, Science & Technology Park,
Nanshan District , Shenzhen, Guangdong, China

Tel: 0755 26639496
Fax: 0755 26632877

WiFi 5GHz:

Mode	Frequency (MHz)	PK Output power (dBm)	Output power (mW)	antenna Gain (dBi)	antenna Gain (linear)	MPE (mW/cm ²)
11a (U-NII-1)	5180	12.77	18.92	1.81	1.52	0.00571
	5200	12.42	17.46	1.81	1.52	0.00527
	5240	11.57	14.35	1.81	1.52	0.00433
11n HT20 (U-NII-1)	5180	12.37	17.26	1.81	1.52	0.00521
	5200	11.97	15.74	1.81	1.52	0.00475
	5240	11.26	13.37	1.81	1.52	0.00404
11n HT40 (U-NII-1)	5190	8.30	6.76	1.81	1.52	0.00204
	5230	7.36	5.45	1.81	1.52	0.00164
11ac VHT20 (U-NII-1)	5180	12.33	17.10	1.81	1.52	0.00516
	5200	11.49	14.09	1.81	1.52	0.00426
	5240	11.03	12.68	1.81	1.52	0.00383
11ac VHT40 (U-NII-1)	5190	8.28	6.73	1.81	1.52	0.00203
	5230	7.37	5.46	1.81	1.52	0.00165
11ac VHT80 (U-NII-1)	5210	7.55	5.69	1.81	1.52	0.00172



Audix Technology (Shenzhen) Co., Ltd.
No. 6, Kefeng Road, Science & Technology Park,
Nanshan District , Shenzhen, Guangdong, China

Tel: 0755 26639496
Fax: 0755 26632877

Mode	Frequency (MHz)	PK Output power (dBm)	Output power (mW)	antenna Gain (dBi)	antenna Gain (linear)	MPE (mW/cm ²)
11a (U-NII-3)	5745	10.85	12.16	1.8	1.51	0.00366
	5785	11.00	12.59	1.8	1.51	0.00379
	5825	10.93	12.39	1.8	1.51	0.00373
11n HT20 (U-NII-3)	5745	10.59	11.46	1.8	1.51	0.00345
	5785	10.67	11.67	1.8	1.51	0.00352
	5825	10.49	11.19	1.8	1.51	0.00337
11n HT40 (U-NII-3)	5755	6.68	4.66	1.8	1.51	0.00140
	5795	6.75	4.73	1.8	1.51	0.00143
11ac VHT20 (U-NII-3)	5745	10.42	11.02	1.8	1.51	0.00332
	5785	10.59	11.46	1.8	1.51	0.00345
	5825	10.59	11.46	1.8	1.51	0.00345
11ac VHT40 (U-NII-3)	5755	6.44	4.41	1.8	1.51	0.00133
	5795	6.88	4.88	1.8	1.51	0.00147
11ac VHT80 (U-NII-3)	5775	6.08	4.06	1.8	1.51	0.00122

Based on safety distance (r) **20cm**, the antenna gain (G) is **0.59 Numerical**, and the highest power output (P) is **75.86mW**, the power density (S) is **0.00887mW/cm²**.

Note: This device only one antenna, it does not support simultaneous.