

MPE ESTIMATION

FCC ID: 2ATX7-MBC-WB01

1, Limit for General Population/ Uncontrolled Exposures

Frequency	Power density (mW/ cm ²)	Averaging time(minutes)
300MHz----1.5GHz	F/1500	30
1.5GHz---100GHz	1.0	30

Note: F= Frequency in MHz

2 Estimation Result

For 2.4GWIFI

Mode	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm ²)
11b	13.63	13±1(14)	25.12	1	1.2589	0.00629
11g	12.89	12±1(13)	19.95	1	1.2589	0.00500
11n/HT20	11.87	11±1(12)	15.85	1	1.2589	0.00397

$$Pd = \frac{Pout * G}{4\pi r^2};$$

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report HK1904110794-1E, antenna gain=1dBi.

Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm ²)
11b	CH1	13.63	23.07	1	1.2589	0.00578
	CH6	13.21	20.94	1	1.2589	0.00525
	CH11	13.07	20.28	1	1.2589	0.00508
11g	CH1	12.42	17.46	1	1.2589	0.00437
	CH6	12.89	19.45	1	1.2589	0.00487
	CH11	12.54	17.95	1	1.2589	0.00450
11n/HT20	CH1	11.87	15.38	1	1.2589	0.00385
	CH6	11.56	14.32	1	1.2589	0.00359
	CH11	11.39	13.77	1	1.2589	0.00345

$$Pd = \frac{Pout * G}{4\pi r^2} :$$

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report HK1904110794-1E, antenna gain=1dBi.

