

MPE ESTIMATION

FCC ID: 2ATW6-WF716301

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

2, Estimation Result

For 2.4G WIFI:

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	13.72	13 ± 1(14)	25.12	1	1.2589	0.00629
11g	12.95	12 ± 1(13)	19.95	1	1.2589	0.00500
11n/HT20	11.81	11 ± 1(12)	15.85	1	1.2589	0.00397
11n/HT40	11.69	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 HK1906141330-E, antenna gain=1dBi.

Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm ²)
11b	CH1	13.72	23.55	1	1.2589	0.00590
	CH6	13.42	21.98	1	1.2589	0.00551
	CH11	13.21	20.94	1	1.2589	0.00525
11g	CH1	12.95	19.72	1	1.2589	0.00494
	CH6	12.83	19.19	1	1.2589	0.00481
	CH11	12.71	18.66	1	1.2589	0.00468
11n/HT20	CH1	11.56	14.32	1	1.2589	0.00359
	CH6	11.81	15.17	1	1.2589	0.00380
	CH11	11.76	15.00	1	1.2589	0.00376
11n/HT40	CH1	11.42	13.87	1	1.2589	0.00347
	CH4	11.69	14.76	1	1.2589	0.00370
	CH7	11.57	14.35	1	1.2589	0.00360

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report HK1906141330-E, antenna gain=1dBi.

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