

MPE ESTIMATION

FCC ID: 2ATW6-WF716401

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	13.81	13 ± 1(14)	25.12	1	1.2589	0.00629
11g	12.81	12 ± 1(13)	19.95	1	1.2589	0.00500
11n/HT20	11.83	11 ± 1(12)	15.85	1	1.2589	0.00397
11n/HT40	11.72	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 HK1906141328-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	13.81	24.04	1	1.2589	0.00602
	CH6	13.29	21.33	1	1.2589	0.00534
	CH11	13.34	21.58	1	1.2589	0.00541
11g	CH1	12.81	19.10	1	1.2589	0.00479
	CH6	12.76	18.88	1	1.2589	0.00473
	CH11	12.65	18.41	1	1.2589	0.00461
11n/HT20	CH1	11.49	14.09	1	1.2589	0.00353
	CH6	11.72	14.86	1	1.2589	0.00372
	CH11	11.83	15.24	1	1.2589	0.00382
11n/HT40	CH1	11.55	14.29	1	1.2589	0.00358
	CH4	11.72	14.86	1	1.2589	0.00372
	CH7	11.39	13.77	1	1.2589	0.00345

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report HK1906141328-E, antenna gain=1dBi.

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