

MPE ESTIMATION
 FCC ID: 2AQXC-FSBASIC

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	12.81	12 ± 1(13)	19.95	1	1.2589	0.00500
11g	11.92	11 ± 1(12)	15.85	1	1.2589	0.00397
11n/HT20	10.91	10 ± 1(11)	12.59	1	1.2589	0.00315

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report HUAK180802767-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	12.22	16.67	1	1.2589	0.00418
	CH6	12.81	19.10	1	1.2589	0.00479
	CH11	12.38	17.30	1	1.2589	0.00433
11g	CH1	11.77	15.03	1	1.2589	0.00377
	CH6	11.56	14.32	1	1.2589	0.00359
	CH11	11.92	15.56	1	1.2589	0.00390
11n/HT20	CH1	10.86	12.19	1	1.2589	0.00305
	CH6	10.07	10.16	1	1.2589	0.00255
	CH11	10.91	12.33	1	1.2589	0.00309
$Pd = \frac{Pout * G}{4\pi r^2} ;$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power= conducted power.						
Conducted power see the test report HUAK180802767-E, antenna gain=1dBi.						

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