

MPE ESTIMATION
FCC ID: 2ASQV-TW-03

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	12.87	12±1(14)	25.12	2	1.5849	0.00792
11g	12.35	12±1(13)	19.95	2	1.5849	0.00629
11n/HT20	11.22	11±1(13)	19.95	2	1.5849	0.00629
11n/HT40	10.78	10±1(12)	15.85	2	1.5849	0.00500

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report HK1901210186-E, antenna gain=2dBi.

Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm ²)
11b	CH1	12.87	19.36	2	1.5849	0.00611
	CH6	12.19	16.56	2	1.5849	0.00522
	CH11	12.23	16.71	2	1.5849	0.00527
11g	CH1	12.35	17.18	2	1.5849	0.00542
	CH6	11.77	15.03	2	1.5849	0.00474
	CH11	11.56	14.32	2	1.5849	0.00452
11n/HT20	CH1	11.22	13.24	2	1.5849	0.00418
	CH6	11.03	12.68	2	1.5849	0.00400
	CH11	10.78	11.97	2	1.5849	0.00378
11n/HT40	CH1	10.69	11.72	2	1.5849	0.00370
	CH4	10.78	11.97	2	1.5849	0.00378
	CH7	10.26	10.62	2	1.5849	0.00335
$Pd = \frac{P_{out} * G}{4\pi r^2} ;$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power= conducted power. Conducted power see the test report HK1901210186-E, antenna gain=2dBi.						

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