

# MPE ESTIMATION

FCC ID: 2AQJT-J2

## 1,Limit for General Population/ Uncontrolled Exposures

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

Note: F= Frequency in MHz

## 2, Estimation Result

### For 2.4G 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 <sup>2</sup> )
11b	11.59	11 ± 1(12)	15.85	1	1.2589	0.00397
11g	11.07	11 ± 1(12)	15.85	1	1.2589	0.00397
11n/HT20	10.38	10 ± 1(11)	12.59	1	1.2589	0.00315
11n/HT40	10.14	10 ± 1(11)	12.59	1	1.2589	0.00315

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report HK180522316-E, antenna gain=1dBi.

Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm <sup>2</sup> )
11b	CH1	11.59	14.42	1	1.2589	0.00361
	CH6	11.43	13.90	1	1.2589	0.00348
	CH11	11.25	13.34	1	1.2589	0.00334
11g	CH1	11.07	12.79	1	1.2589	0.00321
	CH6	10.86	12.19	1	1.2589	0.00305
	CH11	10.52	11.27	1	1.2589	0.00282
11n/HT20	CH1	10.38	10.91	1	1.2589	0.00273
	CH6	10.22	10.52	1	1.2589	0.00264
	CH11	10.19	10.45	1	1.2589	0.00262
11n/HT40	CH1	9.87	9.71	1	1.2589	0.00243
	CH4	10.14	10.33	1	1.2589	0.00259
	CH7	9.75	9.44	1	1.2589	0.00237
$Pd = \frac{P_{out} * G}{4\pi r^2};$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power= conducted power. Conducted power see the test report HK180522316-E, antenna gain=1dBi.						

-----The End-----