MPE ESTIMATION
FCC ID: **2AKKZT508AC**

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	8.59	8±1(9)	7.94	1	1.2589	0.00199
11g	8.35	8±1(9)	7.94	1	1.2589	0.00199
11n/HT20	7.74	7±1(8)	6.31	1	1.2589	0.00158
11n/HT40	7.21	7±1(8)	6.31	1	1.2589	0.00158

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

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.
Conducted power see the test report HK1904150841-1E, antenna gain=1dBi.

Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm^2)
11b	CH1	8.59	7.23	1	1.2589	0.00181
	CH6	8.41	6.93	1	1.2589	0.00174
	CH11	8.55	7.16	1	1.2589	0.00179
11g	CH1	8.35	6.84	1	1.2589	0.00171
	CH6	8.11	6.47	1	1.2589	0.00162
	CH11	8.14	6.52	1	1.2589	0.00163
11n/HT20	CH1	7.74	5.94	1	1.2589	0.00149
	CH6	7.62	5.78	1	1.2589	0.00145
	CH11	7.45	5.56	1	1.2589	0.00139
11n/HT40	CH1	7.21	5.26	1	1.2589	0.00132
	CH4	7.15	5.19	1	1.2589	0.00130
	CH7	7.08	5.11	1	1.2589	0.00128

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

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report HK1904150841-1E, antenna gain=1dBi.

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