MPE ESTIMATION

FCC ID: **2AAEU-P1**

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

Note: F= Frequency in MHz

2, Estimation Result

Mode	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm²)
11b	16.52	16±1(17)	50.12	1	1.2589	0.01255
11g	14.44	14±1(15)	31.62	1	1.2589	0.00792
11n/HT20	14.25	14±1(15)	31.62	1	1.2589	0.00792
11n/HT40	12.43	12±1(13)	19.95	1	1.2589	0.005

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

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report **HK1600820023-E**, antenna gain=1dBi.

Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm²)
11b	CH1	16.52	44.87	1	1.2589	0.01124
	CH6	16.46	44.26	1	1.2589	0.01109
	CH11	16.49	44.57	1	1.2589	0.01116
11g	CH1	14.44	27.80	1	1.2589	0.00696
	CH6	14.31	26.98	1	1.2589	0.00676
	CH11	14.38	27.42	1	1.2589	0.00687
11n/HT20	CH1	14.21	26.36	1	1.2589	0.0066
	CH6	14.25	26.61	1	1.2589	0.00666
	CH11	14.18	26.18	1	1.2589	0.00656
11n/HT40	CH1	12.43	17.50	1	1.2589	0.00438
	CH4	12.29	16.94	1	1.2589	0.00424
	CH7	12.37	17.26	1	1.2589	0.00432

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 **HK1600820023-E**, antenna gain=1dBi.

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