MPE ESTIMATION

FCC ID: **2AAEU-S1**

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	16.58	16±1(17)	50.12	1	1.2589	0.01255
11g	14.68	14±1(15)	31.62	1	1.2589	0.00792
11n/HT20	14.42	14±1(15)	31.62	1	1.2589	0.00792
11n/HT40	12.26	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 **HK1600820024-E**, antenna gain=1dBi.

Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm²)
11b	CH1	16.17	41.40	1	1.2589	0.01037
	CH6	16.58	45.50	1	1.2589	0.0114
	CH11	16.26	42.27	1	1.2589	0.01059
11g	CH1	14.51	28.25	1	1.2589	0.00708
	CH6	14.47	27.99	1	1.2589	0.00701
	CH11	14.68	29.38	1	1.2589	0.00736
11n/HT20	CH1	14.33	27.10	1	1.2589	0.00679
	CH6	14.42	27.67	1	1.2589	0.00693
	CH11	14.31	26.98	1	1.2589	0.00676
11n/HT40	CH1	12.15	16.41	1	1.2589	0.00411
	CH4	12.13	16.33	1	1.2589	0.00409
	CH7	12.26	16.83	1	1.2589	0.00422

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report **HK1600820024-E**, antenna gain=1dBi.

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