

MPE ESTIMATION

FCC ID: **2AAEU-B1**

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/cm ²)
11b	16.32	16±1(17)	50.12	1	1.2589	0.01255
11g	14.38	14±1(15)	31.62	1	1.2589	0.00792
11n/HT20	14.19	14±1(15)	31.62	1	1.2589	0.00792
11n/HT40	12.25	12±1(13)	19.95	1	1.2589	0.005
$Pd = \frac{P_{out} * G}{4\pi r^2};$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power= conducted power. Conducted power see the test report HK1600820022-E , antenna gain=1dBi.						

Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm ²)
11b	CH1	16.32	42.85	1	1.2589	0.01073
	CH6	16.28	42.46	1	1.2589	0.01063
	CH11	16.14	41.11	1	1.2589	0.0103
11g	CH1	14.21	26.36	1	1.2589	0.0066
	CH6	14.38	27.42	1	1.2589	0.00687
	CH11	14.25	26.61	1	1.2589	0.00666
11n/HT20	CH1	14.19	26.24	1	1.2589	0.00657
	CH6	14.13	25.88	1	1.2589	0.00648
	CH11	14.11	25.76	1	1.2589	0.00645
11n/HT40	CH1	12.25	16.79	1	1.2589	0.00421
	CH4	12.18	16.52	1	1.2589	0.00414
	CH7	12.16	16.44	1	1.2589	0.00412
$Pd = \frac{P_{out} * G}{4\pi r^2};$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power= conducted power.						
Conducted power see the test report HK1600820022-E , antenna gain=1dBi.						

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