MPE ESTIMATION
FCC ID: **2AHTO-FOCUS**

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	20.20	20±1(21)	125.89	2	1.585	0.0397
11g	19.63	20±1(21)	100.00	2	1.585	0.0315
11n/HT20	18.75	19±1(20)	100.00	2	1.585	0.0315
11n/HT40	17.03	17±1(18)	63.10	2	1.585	0.0199

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 WST1600911029-E, The MIMO mode power is max, so only calculate max power mode and antenna port 1 gain=0dB, antenna port 2 gain=2dB.

Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm²)
11b	CH1	20.10	102.33	2	1.585	0.0323
	CH6	20.20	104.71	2	1.585	0.033
	CH11	20.14	103.28	2	1.585	0.0326
11g	CH1	19.63	91.83	2	1.585	0.029
	CH6	19.60	91.20	2	1.585	0.0288
	CH11	19.55	90.16	2	1.585	0.0284
11n/HT20	CH1	18.80	75.86	2	1.585	0.0239
	CH6	18.75	74.99	2	1.585	0.0236
	CH11	18.75	74.99	2	1.585	0.0236
11n/HT40	CH1	17.02	50.35	2	1.585	0.0159
	CH4	17.03	50.47	2	1.585	0.0159
	CH7	16.94	49.43	2	1.585	0.0156

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 WST1600911029-E, The MIMO mode power is max, so only calculate max power mode and antenna port 1 gain=0dB, antenna port 2 gain=2dB.

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