MPE ESTIMATION
FCC ID: 2AKU8-LUDY

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	15.32	15±1(16)	39.81	1	1.2589	0.00997
11g	12.89	12±1(13)	19.95	1	1.2589	0.005
11n/HT20	11.57	11±1(12)	15.84	1	1.2589	0.00397
11n/HT40	8.86	8±1(9)	7.94	1	1.2589	0.00199
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 WST1601230097-E, antenna gain=1dBi.						

Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm²)
11b	CH1	15.32	34.04	1	1.2589	0.00853
	CH6	15.24	33.42	1	1.2589	0.00837
	CH11	15.07	32.14	1	1.2589	0.00805
11g	CH1	12.89	19.45	1	1.2589	0.00487
	CH6	12.74	18.79	1	1.2589	0.00471
	CH11	12.38	17.30	1	1.2589	0.00433
11n/HT20	CH1	11.25	13.34	1	1.2589	0.00334
	CH6	10.83	12.11	1	1.2589	0.00303
	CH11	11.57	14.35	1	1.2589	0.00359
11n/HT40	CH03	8.03	6.35	1	1.2589	0.00159
	CH06	8.86	7.69	1	1.2589	0.00193
	CH09	7.89	6.15	1	1.2589	0.00154

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 WST1601230097-E, antenna gain=1dBi.

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