MPE ESTIMATION
FCC ID: 2AG45-XT198

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

For 2.4G WIFI:

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	12.45	12±1(13)	19.95	1	1.2589	0.00500
11g	11.88	11±1(12)	15.85	1	1.2589	0.00397
11n/HT20	11.39	11±1(12)	15.85	1	1.2589	0.00397
11n/HT40	10.85	10±1(11)	12.59	1	1.2589	0.00315
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 HK180627348-E, antenna gain=1dBi.						

Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm²)
11b	CH1	12.29	16.94	1	1.2589	0.00425
	CH6	12.45	17.58	1	1.2589	0.00440
	CH11	12.06	16.07	1	1.2589	0.00403
11g	CH1	11.73	14.89	1	1.2589	0.00373
	CH6	11.88	15.42	1	1.2589	0.00386
	CH11	11.52	14.19	1	1.2589	0.00356
11n/HT20	CH1	11.39	13.77	1	1.2589	0.00345
	CH6	11.21	13.21	1	1.2589	0.00331
	CH11	11.18	13.12	1	1.2589	0.00329
11n/HT40	CH1	10.74	11.86	1	1.2589	0.00297
	CH4	10.85	12.16	1	1.2589	0.00305
	CH7	10.67	11.67	1	1.2589	0.00292

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 HK180627348-E, antenna gain=1dBi.

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