

MPE ESTIMATION  
 FCC ID: 2AQJ5-VEGAS

**1,Limit for General Population/ Uncontrolled Exposures**

Frequency	Power density (mW/ cm <sup>2</sup> )	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 <sup>2</sup> )
11b	12.05	12 ± 1(13)	19.95	1	1.2589	0.00500
11g	11.67	11 ± 1(12)	15.85	1	1.2589	0.00397
11n/HT20	11.34	11 ± 1(12)	15.85	1	1.2589	0.00397
11n/HT40	10.85	10 ± 1(11)	12.59	1	1.2589	0.00315

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report HK180627348-E, antenna gain=1dBi.

Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm <sup>2</sup> )
11b	CH1	11.83	15.24	1	1.2589	0.00382
	CH6	12.05	16.03	1	1.2589	0.00402
	CH11	11.78	15.07	1	1.2589	0.00378
11g	CH1	11.67	14.69	1	1.2589	0.00368
	CH6	11.49	14.09	1	1.2589	0.00353
	CH11	11.55	14.29	1	1.2589	0.00358
11n/HT20	CH1	11.34	13.61	1	1.2589	0.00341
	CH6	11.29	13.46	1	1.2589	0.00337
	CH11	11.06	12.76	1	1.2589	0.00320
11n/HT40	CH1	10.85	12.16	1	1.2589	0.00305
	CH4	10.67	11.67	1	1.2589	0.00292
	CH7	10.52	11.27	1	1.2589	0.00282
$Pd = \frac{P_{out} * G}{4\pi r^2};$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power= conducted power. Conducted power see the test report HK180627348-E, antenna gain=1dBi.						

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