

## MPE ESTIMATION

FCC ID: 2ASGH-MF18228

### 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

### 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	12.49	12 ± 1(13)	19.95	1	1.2589	0.00500
11g	12.39	12 ± 1(13)	19.95	1	1.2589	0.00500
11n/HT20	11.93	11 ± 1(12)	15.85	1	1.2589	0.00397
11n/HT40	11.21	11 ± 1(12)	15.85	1	1.2589	0.00397

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.  
Conducted power see the test report HK1812260038-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	12.49	17.74	1	1.2589	0.00445
	CH6	12.22	16.67	1	1.2589	0.00418
	CH11	12.17	16.48	1	1.2589	0.00413
11g	CH1	12.16	16.44	1	1.2589	0.00412
	CH6	12.39	17.34	1	1.2589	0.00434
	CH11	12.09	16.18	1	1.2589	0.00405
11n/HT20	CH1	11.93	15.60	1	1.2589	0.00391
	CH6	11.38	13.74	1	1.2589	0.00344
	CH11	10.49	11.19	1	1.2589	0.00281
11n/HT40	CH1	11.21	13.21	1	1.2589	0.00331
	CH4	10.11	10.26	1	1.2589	0.00257
	CH7	10.73	11.83	1	1.2589	0.00296

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report HK1812260038-E, antenna gain=1dBi.

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