MPE ESTIMATION
FCC ID: **2ASO4-S001**

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

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	12.93	12±1(14)	15.85	1	1.2589	0.00397
11g	12.28	12±1(13)	15.85	1	1.2589	0.00397
11n/HT20	11.35	11±1(11)	12.59	1	1.2589	0.00315
11n/HT40	10.32	10±1(11)	10.00	1	1.2589	0.00251

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 HK1903010396-E, antenna gain=1dBi.

Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm^2)
11b	CH1	12.93	19.63	1	1.2589	0.00492
	CH6	12.66	18.45	1	1.2589	0.00462
	CH11	12.57	18.07	1	1.2589	0.00453
11g	CH1	12.28	16.90	1	1.2589	0.00424
	CH6	11.87	15.38	1	1.2589	0.00385
	CH11	11.75	14.96	1	1.2589	0.00375
11n/HT20	CH1	11.34	13.61	1	1.2589	0.00341
	CH6	11.35	13.65	1	1.2589	0.00342
	CH11	11.08	12.82	1	1.2589	0.00321
11n/HT40	CH1	10.25	10.59	1	1.2589	0.00265
	CH4	10.32	10.76	1	1.2589	0.00270
	CH7	9.95	9.89	1	1.2589	0.00248

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 HK1903010396-E, antenna gain=1dBi.

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