

MPE ESTIMATION
FCC ID: 2ASAF-PLUG

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/cm²)
11b	12.58	12 ± 1(13)	19.95	1	1.2589	0.00500
11g	11.86	11 ± 1(12)	15.85	1	1.2589	0.00397
11n/HT20	11.32	11 ± 1(12)	15.85	1	1.2589	0.00397
11n/HT40	10.93	10 ± 1(11)	112.59	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 HK1901020068-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	12.36	17.22	1	1.2589	0.00431
	CH6	12.58	18.11	1	1.2589	0.00454
	CH11	12.46	17.62	1	1.2589	0.00442
11g	CH1	11.69	14.76	1	1.2589	0.00370
	CH6	11.86	15.35	1	1.2589	0.00385
	CH11	11.57	14.35	1	1.2589	0.00360
11n/HT20	CH1	11.25	13.34	1	1.2589	0.00334
	CH6	11.32	13.55	1	1.2589	0.00340
	CH11	11.19	13.15	1	1.2589	0.00330
11n/HT40	CH3	10.93	12.39	1	1.2589	0.00310
	CH6	10.58	11.43	1	1.2589	0.00286
	CH9	10.74	11.86	1	1.2589	0.00297
$Pd = \frac{P_{out} * G}{4\pi r^2};$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power= conducted power. Conducted power see the test report HK1901020068-E, antenna gain=1dBi.						

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