

MPE ESTIMATION
FCC ID: 2AREJ-Y4

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	12.85	13 ± 1(14)	19.95	1	1.2589	0.00500
11g	11.95	11 ± 1(12)	15.85	1	1.2589	0.00397
11n/HT20	11.77	11 ± 1(12)	15.85	1	1.2589	0.00397
11n/HT40	10.86	11 ± 1(12)	15.85	1	1.2589	0.00397
$Pd = \frac{P_{out} * G}{4\pi r^2} :$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power= conducted power.						
Conducted power see the test report HK1809191110-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	12.85	19.275	1	1.2589	0.00483
	CH6	12.44	17.54	1	1.2589	0.00439
	CH11	12.43	17.50	1	1.2589	0.00438
11g	CH1	11.95	15.67	1	1.2589	0.00393
	CH6	11.83	15.24	1	1.2589	0.00382
	CH11	11.38	13.74	1	1.2589	0.00344
11n/HT20	CH1	11.77	15.03	1	1.2589	0.00377
	CH6	11.40	13.80	1	1.2589	0.00346
	CH11	11.37	13.71	1	1.2589	0.00344
11n/HT40	CH1	10.15	10.35	1	1.2589	0.00259
	CH4	10.86	12.19	1	1.2589	0.00305
	CH7	10.11	10.26	1	1.2589	0.00257
$Pd = \frac{P_{out} * G}{4\pi r^2};$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power= conducted power. Conducted power see the test report HK1809191110-E, antenna gain=1dBi.						

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