

MPE ESTIMATION
FCC ID: 2ATLM-FANX

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	14.04	13.5 ± 1(14.5)	28.18	1	1.2589	0.00706
11g	12.78	12 ± 1(13)	19.95	1	1.2589	0.00500
11n/HT20	12.33	12 ± 1(13)	19.95	1	1.2589	0.00500
11n/HT40	11.88	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 HK1904210891-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	13.51	22.44	1	1.2589	0.00562
	CH6	13.74	23.66	1	1.2589	0.00593
	CH11	14.04	25.35	1	1.2589	0.00635
11g	CH1	12.58	18.11	1	1.2589	0.00454
	CH6	12.78	18.97	1	1.2589	0.00475
	CH11	12.59	18.16	1	1.2589	0.00455
11n/HT20	CH1	12.33	17.10	1	1.2589	0.00428
	CH6	11.38	13.74	1	1.2589	0.00344
	CH11	12.05	16.03	1	1.2589	0.00402
11n/HT40	CH1	11.43	13.90	1	1.2589	0.00348
	CH4	11.88	15.42	1	1.2589	0.00386
	CH7	11.19	13.15	1	1.2589	0.00330
$Pd = \frac{P_{out} * G}{4\pi r^2};$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power= conducted power. Conducted power see the test report HK1904210891-E, antenna gain=1dBi.						

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