

MPE ESTIMATION
FCC ID: 2AQSI-MLXGS

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	12.86	12 ± 1(13)	19.95	1	1.2589	0.00500
11g	11.75	11 ± 1(12)	15.85	1	1.2589	0.00397
11n/HT20	11.64	11 ± 1(12)	15.85	1	1.2589	0.00397
11n/HT40	11.01	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 HK1811281801-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	12.86	19.3197	1	1.2589	0.00484
	CH6	12.25	16.7880	1	1.2589	0.00421
	CH11	12.61	18.2390	1	1.2589	0.00457
11g	CH1	11.75	14.96	1	1.2589	0.00375
	CH6	11.52	14.19	1	1.2589	0.00356
	CH11	11.31	13.52	1	1.2589	0.00339
11n/HT20	CH1	11.64	14.59	1	1.2589	0.00366
	CH6	11.42	13.87	1	1.2589	0.00347
	CH11	11.27	13.40	1	1.2589	0.00336
11n/HT40	CH3	10.54	11.32	1	1.2589	0.00284
	CH6	11.01	12.62	1	1.2589	0.00316
	CH9	10.71	11.78	1	1.2589	0.00295
$Pd = \frac{P_{out} * G}{4\pi r^2};$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power= conducted power. Conducted power see the test report HK1811281801-E, antenna gain=1dBi.						

-----The End-----