

MPE ESTIMATION
FCC ID: 2AKL2K44IPC

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

Note: F= Frequency in MHz

2, Estimation Result

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	15.56	15±1(16)	39.81	1	1.2589	0.00998
11g	14.25	15±1(16)	39.81	1	1.2589	0.00998
11n/HT20	12.67	12±1(13)	19.95	1	1.2589	0.005
11n/HT40	11.36	12±1(13)	19.95	1	1.2589	0.005

Note: $P_d = \frac{P_{out} * G}{4\pi r^2}$;

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.
Conducted power see the test report UNI170502010-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	15.56	35.97	1	1.2589	0.00901
	CH6	15.23	33.34	1	1.2589	0.00853
	CH11	15.15	32.73	1	1.2589	0.00820
11g	CH1	14.25	26.61	1	1.2589	0.00667
	CH6	14.16	26.06	1	1.2589	0.00653
	CH11	14.12	25.82	1	1.2589	0.00647
11n/HT20	CH1	12.67	18.49	1	1.2589	0.00463
	CH6	12.43	17.50	1	1.2589	0.00439
	CH11	12.18	16.52	1	1.2589	0.00414
11n/HT40	CH3	11.12	12.94	1	1.2589	0.00324
	CH6	11.36	13.68	1	1.2589	0.00343
	CH9	11.22	13.24	1	1.2589	0.00332
$Pd = \frac{P_{out} * G}{4\pi r^2};$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power= conducted power. Conducted power see the test report UNI170502010-E, antenna gain=1dBi.						

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