

MPE ESTIMATION
FCC ID: 2AKL2K22IPC

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	16.14	16±1(17)	50.12	1	1.2589	0.01256
11g	15.36	15±1(16)	39.81	1	1.2589	0.00998
11n/HT20	12.98	12±1(13)	19.95	1	1.2589	0.005
11n/HT40	12.24	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 UNI170502009-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	16.02	39.99	1	1.2589	0.01002
	CH6	16.14	41.11	1	1.2589	0.01030
	CH11	16.06	40.36	1	1.2589	0.01011
11g	CH1	15.36	34.36	1	1.2589	0.00861
	CH6	15.23	33.34	1	1.2589	0.00835
	CH11	15.17	32.89	1	1.2589	0.00824
11n/HT20	CH1	12.98	19.86	1	1.2589	0.00498
	CH6	12.36	17.22	1	1.2589	0.00431
	CH11	12.53	17.91	1	1.2589	0.00449
11n/HT40	CH3	12.13	16.33	1	1.2589	0.00409
	CH6	12.24	16.75	1	1.2589	0.00420
	CH9	12.18	16.52	1	1.2589	0.00414
$Pd = \frac{P_{out} * G}{4\pi r^2};$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power= conducted power. Conducted power see the test report UNI170502009-E, antenna gain=1dBi.						

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