

MPE ESTIMATION

FCC ID: **2AJVP-OMEGA2**

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/cm ²)
11b	17.84	17±1(18)	63.10	2	1.5849	0.0199
11g	17.29	17±1(18)	63.10	2	1.5849	0.0199
11n/HT20	16.63	17±1(18)	63.10	2	1.5849	0.0199
11n/HT40	13.79	13±1(14)	25.12	2	1.5849	0.00792
$Pd = \frac{P_{out} * G}{4\pi r^2};$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power= conducted power. Conducted power see the test report UNI1600921033-E , antenna gain=2dBi.						

Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm ²)
11b	CH1	17.75	59.57	2	1.5849	0.01878
	CH6	17.84	60.81	2	1.5849	0.01917
	CH11	17.78	59.98	2	1.5849	0.01891
11g	CH1	17.24	52.97	2	1.5849	0.0167
	CH6	17.29	53.58	2	1.5849	0.01689
	CH11	17.22	52.72	2	1.5849	0.01662
11n/HT20	CH1	16.58	45.50	2	1.5849	0.01435
	CH6	16.63	46.03	2	1.5849	0.01451
	CH11	16.51	44.77	2	1.5849	0.01412
11n/HT40	CH1	13.77	23.82	2	1.5849	0.00751
	CH4	13.79	23.93	2	1.5849	0.00755
	CH7	13.68	23.33	2	1.5849	0.00736
$Pd = \frac{P_{out} * G}{4\pi r^2};$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power= conducted power.						
Conducted power see the test report UNI1600921033-E E , antenna gain=2dBi.						

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