

MPE ESTIMATION

FCC ID: **2AJVP-OMEGA2S**

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	16.86	16±1(17)	50.12	2	1.5849	0.0158
11g	16.17	16±1(17)	50.12	2	1.5849	0.0158
11n/HT20	15.42	16±1(17)	50.12	2	1.5849	0.0158
11n/HT40	13.65	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 UNI170214032-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	16.78	47.64	2	1.5849	0.01502
	CH6	16.86	48.53	2	1.5849	0.01530
	CH11	16.72	46.99	2	1.5849	0.01482
11g	CH1	16.17	41.40	2	1.5849	0.01305
	CH6	16.09	40.64	2	1.5849	0.01281
	CH11	16.12	40.93	2	1.5849	0.01291
11n/HT20	CH1	15.42	34.83	2	1.5849	0.01098
	CH6	15.35	34.28	2	1.5849	0.01081
	CH11	15.26	33.57	2	1.5849	0.01059
11n/HT40	CH1	13.65	23.17	2	1.5849	0.00731
	CH4	13.42	21.98	2	1.5849	0.00693
	CH7	13.08	20.32	2	1.5849	0.00641
$Pd = \frac{P_{out} * G}{4\pi r^2};$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power= conducted power.						
Conducted power see the test report UNI170214032-E , antenna gain=2dBi.						

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