

# MPE ESTIMATION

FCC ID: 2AWHY-B0001

## 1. Limit for General Population/Uncontrolled Exposures

Frequency	Power density(mW/cm2 )	Averaging time(minutes)
300MHz---1.5GHz	F/1500	30
1.5GHz---100GHz	1.0	30

Note: F= Frequency in MHz

## 2. Estimation Result

The prototype does not use MIMO technology. The prototype is a dual-antenna product, # 1 is the left antenna, # 2 is the right antenna.

Mode	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm <sup>2</sup> )
#1						
11b	14.23	14 ± 1(15)	31.62	2	1.5849	0.009975
11g	13.72	13 ± 1(14)	25.12	2	1.5849	0.007925
11n/HT20	13.69	13 ± 1(14)	25.12	2	1.5849	0.007925
11n/HT40	12.99	12 ± 1(13)	19.95	2	1.5849	0.006294
#2						
11b	14.19	14 ± 1(15)	31.62	2	1.5849	0.009975
11g	13.89	13 ± 1(14)	25.12	2	1.5849	0.007925
11n/HT20	13.42	13 ± 1(14)	25.12	2	1.5849	0.007925
11n/HT40	12.89	12 ± 1(13)	19.95	2	1.5849	0.006294
$Pd = \frac{Pout * G}{4\pi r^2}$						
Note:						
Note: The estimation distance is 20cm.						
Note: PK Output power= conducted power.						
Conducted power see the test report UNIA20041504ER-01, antenna gain=2dBi.						

Conclusion: Compliance RF Exposure requirement.

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