

## 10. MPE ESTIMATION

### 10.1.Limit for General Population/ Uncontrolled Exposures

Frequency	Power density (mW/ cm <sup>2</sup> )	Averaging time(minutes)
300MHz----1.5GHz	F/1500	30
1.5GHz---100GHz	1.0	30

Frequency(MHz)	Power density (mW/ cm <sup>2</sup> )	Averaging time(minutes)
2412	1	30
2437	1	30
2462	1	30

Note: F= Frequency in MHz

### 10.2. Estimation Result

EUT: 150Mbps Wireless N ADSL2+ Modem Router		
M/N: TD-W8901N		
Test date: 2013-04-09	Pressure: 101.4±1.0 kpa	Humidity: 46.4±3.0%
Tested by: Leo-Li	Test site: RF Site	Temperature : 23.6±0.6 °C

Cable loss: 1 dB		Attenuator loss: 20 dB				Antenna Gain: 5dBi	
Test Mode	CH	Frequency ( MHz )	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	CH1	2412	19.8	95.50	5	3.16	0.0601
	CH6	2437	19.14	82.04	5	3.16	0.0516
	CH11	2462	18.44	69.82	5	3.16	0.0439
11g	CH1	2412	24.96	313.33	5	3.16	0.1972
	CH6	2437	24.35	272.27	5	3.16	0.1714
	CH11	2462	23.69	233.88	5	3.16	0.1472
11n HT20	CH1	2412	24.87	306.90	5	3.16	0.1932
	CH6	2437	23.94	247.74	5	3.16	0.1559
	CH11	2462	23.32	214.78	5	3.16	0.1352
11n HT40	CH1	2422	20.24	105.68	5	3.16	0.0665
	CH4	2437	24.56	285.76	5	3.16	0.1799
	CH7	2452	19.57	90.57	5	3.16	0.0570