

## 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 Estimation Result

EUT: 300Mbps Wireless N Router		
M/N: TL-WR841N		
Test date: 2014-01-13	Pressure: 101.1±1.0 kpa	Humidity: 52.2±3.0%
Tested by: Leo-Li	Test site: RF site	Temperature: 22.1±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	24.36	272.90	5	3.16	0.1718
	CH6	2437	23.05	201.84	5	3.16	0.1270
	CH11	2462	24.84	304.79	5	3.16	0.1918
11g	CH1	2412	29.16	824.14	5	3.16	0.5187
	CH6	2437	29.38	866.96	5	3.16	0.5457
	CH11	2462	28.24	666.81	5	3.16	0.4197
11n HT20	CH1	2412	27.46	557.19	5	3.16	0.3507
	CH6	2437	29.51	893.31	5	3.16	0.5623
	CH11	2462	27.33	540.75	5	3.16	0.3404
11n HT40	CH1	2422	23.97	249.46	5	3.16	0.1570
	CH4	2437	28.60	724.44	5	3.16	0.4560
	CH7	2452	24.17	261.22	5	3.16	0.1644