

10.MPE ESTIMATION

10.1.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

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

Note: F= Frequency in MHz Estimation Result

EUT: 300Mbps High Power Wireless N Router		
M/N:TL-WR841HP		
Test date: 2014-1-23	Pressure: 101.1±1.0 kpa	Humidity: 51.4±3.0%
Tested by: Leo-Li	Test site: RF site	Temperature:21.3±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	29.01	796.16	5	3.16	0.5011
	CH6	2437	28.79	756.83	5	3.16	0.4764
	CH11	2462	28.85	767.36	5	3.16	0.4830
11g	CH1	2412	29.08	809.10	5	3.16	0.5093
	CH6	2437	28.94	783.43	5	3.16	0.4931
	CH11	2462	29.34	859.01	5	3.16	0.5407
11n HT20	CH1	2412	29.13	818.46	5	3.16	0.5152
	CH6	2437	28.97	788.86	5	3.16	0.4965
	CH11	2462	29.63	918.33	5	3.16	0.5780
11n HT40	CH1	2422	29.85	966.05	5	3.16	0.6081
	CH4	2437	29.47	885.12	5	3.16	0.5571
	CH7	2452	29.59	909.91	5	3.16	0.5727