

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

10.2. Estimation Result

EUT: 300Mbps Multi-Function Wireless N Router		
M/N:TL-WR842ND		
Test date: 2013-09-20	Pressure: 101.2±1.0 kpa	Humidity: 48.4±3.0%
Tested by: Leo-Li	Test site: RF site	Temperature:20.7±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	22.13	163.31	5.0	3.16	0.1028
	CH6	2437	23.73	236.05	5.0	3.16	0.1486
	CH11	2462	21.98	157.76	5.0	3.16	0.0993
11g	CH1	2412	24.49	281.19	5.0	3.16	0.1770
	CH6	2437	29.12	816.58	5.0	3.16	0.5140
	CH11	2462	24.48	280.54	5.0	3.16	0.1766
11n HT20	CH1	2412	23.32	214.78	5.0	3.16	0.1352
	CH6	2437	28.81	760.33	5.0	3.16	0.4786
	CH11	2462	23.33	215.28	5.0	3.16	0.1355
11n HT40	CH1	2422	22.80	190.55	5.0	3.16	0.1199
	CH4	2437	26.68	465.59	5.0	3.16	0.2931
	CH7	2452	22.77	189.23	5.0	3.16	0.1191