

11.MPE ESTIMATION

11.1.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

11.2. Estimation Result

EUT: 150Mbps Wireless N Nano Router		
M/N: TL-WR702N		
Test date: 2012-04-22	Pressure: 101.2 kpa	Humidity: 53.2%
Tested by: Leo-Li	Test site: RF Site	Temperature : 25.6°C

Cable loss: 1 dB		Attenuator loss: 20 dB				Antenna Gain: 1.8 dBi	
Test Mode	CH	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	CH1	2412	19.17	82.60	1.8	1.51	0.0249
	CH6	2437	19.03	79.98	1.8	1.51	0.0241
	CH11	2462	19.27	84.53	1.8	1.51	0.0255
11g	CH1	2412	23.24	210.86	1.8	1.51	0.0635
	CH6	2437	24.62	289.73	1.8	1.51	0.0873
	CH11	2462	22.85	192.75	1.8	1.51	0.0581
11n HT20	CH1	2412	22.67	184.93	1.8	1.51	0.0557
	CH6	2437	24.44	277.97	1.8	1.51	0.0837
	CH11	2462	22.78	189.67	1.8	1.51	0.0571
11n HT40	CH1	2412	23.24	210.86	1.8	1.51	0.0635
	CH4	2437	25.53	357.27	1.8	1.51	0.1076
	CH7	2462	22.37	172.58	1.8	1.51	0.0520