

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 Estimation Result

EUT: 150Mbps Wireless N ADSL2+ Modem Router		
M/N: TD-W8901N		
Test date: 2014-02-20	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	23.96	248.89	5.0	3.16	0.1567
	CH6	2437	23.72	235.50	5.0	3.16	0.1482
	CH11	2462	23.09	203.70	5.0	3.16	0.1282
11g	CH1	2412	22.85	192.75	5.0	3.16	0.1213
	CH6	2437	25.72	373.25	5.0	3.16	0.2349
	CH11	2462	21.97	157.40	5.0	3.16	0.0991
11n HT20	CH1	2412	20.49	111.94	5.0	3.16	0.0705
	CH6	2437	23.03	200.91	5.0	3.16	0.1265
	CH11	2462	20.42	110.15	5.0	3.16	0.0693
11n HT40	CH1	2422	20.6	114.82	5.0	3.16	0.0723
	CH4	2437	23.86	243.22	5.0	3.16	0.1531
	CH7	2452	21.28	134.28	5.0	3.16	0.0845

Note: MPE=PG/4 π R² (R:20cm)