

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 ADSL2+ Modem Router		
M/N: TD-W8151N		
Test date:2012-09-13	Pressure: 101.3±1 kpa	Humidity: 53.6±1 %
Tested by: Leo-Li	Test site: RF Site	Temperature24.8±1 °C

Cable loss: 1 dB		Attenuator loss: 20 dB				Antenna Gain: 5 dBi	
Test Mode	CH	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	CH1	2412	17.64	58.08	5	3.16	0.0366
	CH6	2437	18.75	74.99	5	3.16	0.0472
	CH11	2462	17.7	58.88	5	3.16	0.0371
11g	CH1	2412	24.09	256.45	5	3.16	0.1614
	CH6	2437	23.61	229.61	5	3.16	0.1445
	CH11	2462	22.67	184.93	5	3.16	0.1164
11n HT20	CH1	2412	24.18	261.82	5	3.16	0.1648
	CH6	2437	23.41	219.28	5	3.16	0.1380
	CH11	2462	22.44	175.39	5	3.16	0.1104
11n HT40	CH1	2422	21.83	152.41	5	3.16	0.0959
	CH4	2437	23.36	216.77	5	3.16	0.1364
	CH7	2452	21.00	125.89	5	3.16	0.0792