

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-W8151N		
Test date: 2014-03-07	Pressure: 101.2±1.0 kpa	Humidity: 48.4±3.0%
Tested by: Kevin_Hu	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	23.30	213.80	5.0	3.16	0.1346
	CH6	2437	23.72	235.50	5.0	3.16	0.1482
	CH11	2462	23.34	215.77	5.0	3.16	0.1358
11g	CH1	2412	24.40	275.42	5.0	3.16	0.1734
	CH6	2437	25.43	349.14	5.0	3.16	0.2198
	CH11	2462	24.40	275.42	5.0	3.16	0.1734
11n HT20	CH1	2412	22.65	184.08	5.0	3.16	0.1159
	CH6	2437	26.70	467.74	5.0	3.16	0.2944
	CH11	2462	21.37	137.09	5.0	3.16	0.0863
11n HT40	CH1	2422	22.47	176.60	5.0	3.16	0.1112
	CH4	2437	24.84	304.79	5.0	3.16	0.1918
	CH7	2452	22.98	198.61	5.0	3.16	0.1250

Note: MPE=PG/4 π R² (R:20cm)