

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-W8951ND		
Test date:2012-02-25	Pressure: 101.6 kpa	Humidity: 52.3%
Tested by: Leo-Li	Test site: RF Site	Temperature : 23.3°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	12.56	18.03	5	3.16	0.0113
	CH6	2437	13.27	21.23	5	3.16	0.0134
	CH11	2462	13.64	23.12	5	3.16	0.0146
11g	CH1	2412	18.74	74.82	5	3.16	0.0471
	CH6	2437	19.33	85.70	5	3.16	0.0539
	CH11	2462	19.93	98.40	5	3.16	0.0619
11n HT20	CH1	2412	18.36	68.55	5	3.16	0.0431
	CH6	2437	19.21	83.37	5	3.16	0.0525
	CH11	2462	19.77	94.84	5	3.16	0.0597
11n HT40	CH1	2422	18.74	74.82	5	3.16	0.0471
	CH4	2437	19.13	81.85	5	3.16	0.0515
	CH7	2452	19.65	92.26	5	3.16	0.0581