

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: 300Mbps High Power Wireless USB Adapter		
M/N: TL-WN8200ND		
Test date: 2012-11-01	Pressure: 101.2±1.0 kpa	Humidity: 51.6±3.0%
Tested by: Leo-Li	Test site: RF Site	Temperature : 20.8±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	20.4	109.65	5	3.16	0.0690
	CH6	2437	20.95	124.45	5	3.16	0.0783
	CH11	2462	21.59	144.21	5	3.16	0.0908
11g	CH1	2412	23.81	240.44	5	3.16	0.1513
	CH6	2437	23.87	243.78	5	3.16	0.1534
	CH11	2462	24.22	264.24	5	3.16	0.1663
11n HT20	CH1	2412	25.23	333.43	5	3.16	0.2099
	CH6	2437	24.86	306.20	5	3.16	0.1927
	CH11	2462	23.78	238.78	5	3.16	0.1503
11n HT40	CH1	2422	23.52	224.91	5	3.16	0.1416
	CH4	2437	24.05	254.10	5	3.16	0.1599
	CH7	2452	23.77	238.23	5	3.16	0.1500