

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 Wireless N PCI Express Adapter		
M/N: TL-WN881ND		
Test date:2011-12-22	Pressure: 101.6 kpa	Humidity: 47.8%
Tested by: Leo-Li	Test site: RF Site	Temperature : 24.8°C

Cable loss: 1 dB		Attenuator loss: 20 dB				Antenna Gain: 2 dBi	
Test Mode	CH	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	CH1	2412	17.74	59.43	2	1.58	0.0187
	CH6	2437	17.30	53.70	2	1.58	0.0169
	CH11	2462	17.58	57.28	2	1.58	0.0181
11g	CH1	2412	17.71	59.02	2	1.58	0.0186
	CH6	2437	18.19	65.92	2	1.58	0.0208
	CH11	2462	16.84	48.31	2	1.58	0.0152
11n HT20	CH1	2412	18.20	66.07	2	1.58	0.0208
	CH6	2437	19.58	90.78	2	1.58	0.0286
	CH11	2462	18.76	75.16	2	1.58	0.0237
11n HT40	CH1	2422	16.32	42.85	2	1.58	0.0135
	CH4	2437	18.15	65.31	2	1.58	0.0206
	CH7	2452	16.37	43.35	2	1.58	0.0137

Note: The estimation distance is 20cm