

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

11.2.Estimation Result

EUT: 300Mbps Wireless N PCI Adapter		
M/N: TL-WN851ND		
Test date:2011-05-02	Pressure: 100.6 kpa	Humidity: 47%
Tested by: Leo-Li	Test site: RF Site	Temperature : 25°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	19.56	90.36	2	1.42	0.0285
	CH6	2437	18.67	73.62	2	1.42	0.0232
	CH11	2462	18.70	74.13	2	1.42	0.0234
11g	CH1	2412	22.54	179.47	2	1.42	0.0566
	CH6	2437	24.37	273.53	2	1.42	0.0863
	CH11	2462	16.87	48.64	2	1.42	0.0153
11n HT20	CH1	2412	19.84	96.38	2	1.42	0.0304
	CH6	2437	25.96	394.46	2	1.42	0.1244
	CH11	2462	18.96	78.70	2	1.42	0.0248
11n HT40	CH1	2412	17.79	60.12	2	1.42	0.0190
	CH4	2437	25.90	389.05	2	1.42	0.1227
	CH7	2462	17.78	59.98	2	1.42	0.0189

Note: The estimation distance is 20cm