

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 AP/Client Router		
M/N: TL-WR743ND		
Test date:2012-08-21	Pressure: 101.3 kpa	Humidity: 52.4 %
Tested by: Leo-Li	Test site: RF Site	Temperature : 24.1℃

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	20.38	109.14	5	3.16	0.0687
	CH6	2437	21.39	137.72	5	3.16	0.0867
	CH11	2462	21.78	150.66	5	3.16	0.0948
11g	CH1	2412	19.57	90.57	5	3.16	0.0570
	CH6	2437	26.78	476.43	5	3.16	0.2999
	CH11	2462	18.82	76.21	5	3.16	0.0480
11n HT20	CH1	2412	19.01	79.62	5	3.16	0.0501
	CH6	2437	26.67	464.52	5	3.16	0.2924
	CH11	2462	18.11	64.71	5	3.16	0.0407
11n HT40	CH1	2422	18.43	69.66	5	3.16	0.0438
	CH4	2437	24.75	298.54	5	3.16	0.1879
	CH7	2452	18.70	74.13	5	3.16	0.0467