

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: Wireless N Router		
M/N: TL-WR940N		
Test date: 2012-06-07	Pressure: 101.3 kpa	Humidity: 49.9%
Tested by: Leo-Li	Test site: RF Site	Temperature : 25.2℃

Cable loss: 1 dB		Attenuator loss: 20 dB				Antenna Gain: 3 dBi	
Test Mode	CH	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	CH1	2412	20.80	120.23	3	2.00	0.0477
	CH6	2437	20.73	118.30	3	2.00	0.0470
	CH11	2462	19.58	90.78	3	2.00	0.0361
11g	CH1	2412	23.76	237.68	3	2.00	0.0944
	CH6	2437	27.33	540.75	3	2.00	0.2148
	CH11	2462	23.09	203.70	3	2.00	0.0809
11n HT20	CH1	2412	26.13	410.20	3	2.00	0.1629
	CH6	2437	28.90	776.25	3	2.00	0.3083
	CH11	2462	24.20	263.03	3	2.00	0.1045
11n HT40	CH1	2422	23.26	211.84	3	2.00	0.0841
	CH4	2437	29.04	801.68	3	2.00	0.3184
	CH7	2452	21.42	138.68	3	2.00	0.0551