

10. MPE ESTIMATION

10.1.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

10.2. Estimation Result

EUT: 150Mbps Wireless N Mini Pocket Router		
M/N: TL-WR710N		
Test date: 2013-08-05	Pressure: 101.2±1.0 kpa	Humidity : 48.4±3.0%
Tested by: Leo-Li	Test site: RF site	Temperature:20.7±0.6 °C

Cable loss: 1 dB		Attenuator loss: 20 dB				Antenna Gain: 1.5dBi	
Test Mode	CH	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	CH1	2412	18.97	78.89	1.5	1.41	0.0222
	CH6	2437	21.01	126.18	1.5	1.41	0.0355
	CH11	2462	19.23	83.75	1.5	1.41	0.0235
11g	CH1	2412	25.6	363.08	1.5	1.41	0.1021
	CH6	2437	20.26	106.17	1.5	1.41	0.0299
	CH11	2462	19.5	89.13	1.5	1.41	0.0251
11n HT20	CH1	2412	18.77	75.34	1.5	1.41	0.0212
	CH6	2437	26.02	399.94	1.5	1.41	0.1124
	CH11	2462	19.29	84.92	1.5	1.41	0.0239
11n HT40	CH1	2422	19.39	86.90	1.5	1.41	0.1145
	CH4	2437	24.5	281.84	1.5	1.41	0.1076
	CH7	2452	19.14	82.04	1.5	1.41	0.0993