

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 N Router		
M/N: TL-WR720N		
Test date: 2012-04-15	Pressure: 101.6 kpa	Humidity: 49.8%
Tested by: Leo-Li	Test site: RF Site	Temperature : 25.2°C

Cable loss: 1 dB		Attenuator loss: 20 dB			Antenna Gain: 1.5 dBi		
Test Mode	CH	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	CH1	2412	20.42	110.15	1.5	1.41	0.0310
	CH6	2437	20.37	108.89	1.5	1.41	0.0306
	CH11	2462	19.19	82.99	1.5	1.41	0.0233
11g	CH1	2412	21.53	142.23	1.5	1.41	0.0400
	CH6	2437	25.34	341.98	1.5	1.41	0.0962
	CH11	2462	21.48	140.60	1.5	1.41	0.0395
11n HT20	CH1	2412	20.40	109.65	1.5	1.41	0.0308
	CH6	2437	25.50	354.81	1.5	1.41	0.0998
	CH11	2462	21.33	135.83	1.5	1.41	0.0382
11n HT40	CH1	2412	19.72	93.76	1.5	1.41	0.0264
	CH4	2437	25.85	384.59	1.5	1.41	0.1081
	CH7	2462	21.13	129.72	1.5	1.41	0.0365