

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 Range Extender		
M/N: TL-WA730RE		
Test date:2012-07-24	Pressure: 101.3 kpa	Humidity: 50.2 %
Tested by: Leo-Li	Test site: RF Site	Temperature : 25.6°C

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	19.56	90.36	5	3.16	0.0569
	CH6	2437	19.97	99.31	5	3.16	0.0625
	CH11	2462	19.57	90.57	5	3.16	0.0570
11g	CH1	2412	21.71	148.25	5	3.16	0.0933
	CH6	2437	27.21	526.02	5	3.16	0.3311
	CH11	2462	20.27	106.41	5	3.16	0.0670
11n HT20	CH1	2412	21.55	142.89	5	3.16	0.0899
	CH6	2437	27.16	520.00	5	3.16	0.3273
	CH11	2462	19.64	92.04	5	3.16	0.0579
11n HT40	CH1	2422	20.44	110.66	5	3.16	0.0697
	CH4	2437	27.28	534.56	5	3.16	0.3365
	CH7	2452	20.46	111.17	5	3.16	0.0700