

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: 300Mbps Wireless N Router		
M/N: TL-WR941ND		
Test date: 2013-03-29	Pressure: 101.2 ± 1.0kpa	Humidity: 51.7 ± 3.0%
Tested by: Leo-Li	Test site: RF site	Temperature:22.4 ± 0.6

Cable loss: 1 dB		Attenuator loss: 20 dB				Antenna Gain: 3.0 dBi	
Test Mode	CH	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	CH1	2412	16.95	49.55	3.0	2.00	0.0197
	CH6	2437	16.29	42.56	3.0	2.00	0.0169
	CH11	2462	16.28	42.46	3.0	2.00	0.0169
11g	CH1	2412	20.98	125.31	3.0	2.00	0.0498
	CH6	2437	24.53	283.79	3.0	2.00	0.1127
	CH11	2462	20.98	125.31	3.0	2.00	0.0498
11n HT20	CH1	2412	20.08	101.86	3.0	2.00	0.0405
	CH6	2437	27.12	515.23	3.0	2.00	0.2046
	CH11	2462	20.97	125.03	3.0	2.00	0.0497
11n HT40	CH1	2422	22.22	166.72	3.0	2.0	0.0662
	CH4	2437	22.33	171.00	3.0	2.0	0.0679
	CH7	2452	22.38	172.98	3.0	2.0	0.0687