

## 11.MPE ESTIMATION

### 11.1.Limit for General Population/ Uncontrolled Exposures

Frequency	Power density (mW/ cm <sup>2</sup> )	Averaging time(minutes)
300MHz----1.5GHz	F/1500	30
1.5GHz---100GHz	1.0	30

Frequency(MHz)	Power density (mW/ cm <sup>2</sup> )	Averaging time(minutes)
2412	1	30
2437	1	30
2462	1	30

### 11.2.Estimation Result

EUT: 150Mbps Wireless Lite-N USB Module							
M/N: PW-MN427							
Test date:2011-06-16			Pressure: 101.4kpa			Humidity: 48%	
Tested by: Leo-Li			Test site: RF Site			Temperature : 24.7°C	
Cable loss: 1 dB		Attenuator loss: 20 dB				Antenna Gain: 2 dBi	
Test Mode	CH	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	CH1	2412	19.36	86.30	2	1.58	0.0272
	CH6	2437	19.58	90.78	2	1.58	0.0286
	CH11	2462	19.55	90.16	2	1.58	0.0284
11g	CH1	2412	20.61	115.08	2	1.58	0.0363
	CH6	2437	20.72	118.03	2	1.58	0.0372
	CH11	2462	21.23	132.74	2	1.58	0.0419
11n HT20	CH1	2412	22.35	171.79	2	1.58	0.0542
	CH6	2437	23.44	220.80	2	1.58	0.0697
	CH11	2462	20.73	118.30	2	1.58	0.0373
11n HT40	CH1	2422	19.65	92.26	2	1.58	0.0291
	CH4	2437	23.10	204.17	2	1.58	0.0644
	CH7	2452	19.15	82.22	2	1.58	0.0259

Note: The estimation distance is 20cm