

## 10.MPE ESTIMATION

### 10.1.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

Note: F= Frequency in MHz Estimation Result

EUT: 150Mbps Wireless N USB Module		
M/N: PW-MN427_34I		
Test date: 2014-03-25	Pressure: 101.2±1.0 kpa	Humidity: 51.2±3.0%
Tested by: Leo-Li	Test site: RF site	Temperature:21.3±0.6

Cable loss: 1 dB		Attenuator loss: 20 dB				Antenna Gain: 1.8 dBi	
Test Mode	CH	Frequency ( MHz )	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	CH1	2412	22.33	171.00	1.8	1.51	0.0515
	CH6	2437	21.70	147.91	1.8	1.51	0.0446
	CH11	2462	21.93	155.96	1.8	1.51	0.0470
11g	CH1	2412	25.12	325.09	1.8	1.51	0.0979
	CH6	2437	26.15	412.10	1.8	1.51	0.1242
	CH11	2462	26.18	414.95	1.8	1.51	0.1250
11n HT20	CH1	2412	24.89	308.32	1.8	1.51	0.0929
	CH6	2437	22.73	187.50	1.8	1.51	0.0565
	CH11	2462	23.25	211.35	1.8	1.51	0.0637
11n HT40	CH1	2422	23.81	240.44	1.8	1.51	0.0724
	CH4	2437	23.34	215.77	1.8	1.51	0.0650
	CH7	2452	23.76	237.68	1.8	1.51	0.0716

Note:  $MPE = P * G / (4 R^2)$  ; R=20cm