

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: 300Mbps Wireless N ADSL2+ Modem Router		
M/N: TD-W8961ND		
Test date:2012-02-25	Pressure: 101.6 kpa	Humidity: 52.3%
Tested by: Leo-Li	Test site: RF Site	Temperature : 23.3°C

Cable loss: 1 dB		Attenuator loss: 20 dB			Antenna Gain: 3 dBi		
Test Mode	CH	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	CH1	2412	15.33	34.12	3	2.00	0.0136
	CH6	2437	15.62	36.48	3	2.00	0.0145
	CH11	2462	14.21	26.36	3	2.00	0.0105
11g	CH1	2412	21.41	138.36	3	2.00	0.0549
	CH6	2437	21.61	144.88	3	2.00	0.0575
	CH11	2462	19.73	93.97	3	2.00	0.0373
11n HT20	CH1	2412	20.94	124.17	3	2.00	0.0493
	CH6	2437	22.54	179.47	3	2.00	0.0713
	CH11	2462	19.49	88.92	3	2.00	0.0353
11n HT40	CH1	2422	19.11	81.47	3	2.00	0.0324
	CH4	2437	22.53	179.06	3	2.00	0.0711
	CH7	2452	17.22	52.72	3	2.00	0.0209

Note: The estimation distance is 20cm