

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: SafeStream™ Wireless N Gigabit Broadband VPN Router		
M/N: TL-ER604W		
Test date: 2013-04-17	Pressure: 101.2 ± 1.0kpa	Humidity: 49.5 ± 3.0%
Tested by: Leo-Li	Test site: RF site	Temperature:22.7 ± 0.6 °C

Cable loss: 1 dB		Attenuator loss: 20 dB				Antenna Gain: 5dBi	
Test Mode	CH	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	CH1	2412	18.83	76.38	5	3.16	0.0481
	CH6	2437	17.91	61.80	5	3.16	0.0389
	CH11	2462	18.33	68.08	5	3.16	0.0428
11g	CH1	2412	22.31	170.22	5	3.16	0.1071
	CH6	2437	27.12	515.23	5	3.16	0.3243
	CH11	2462	22.45	175.79	5	3.16	0.1106
11n HT20	CH1	2412	23.53	225.42	5	3.16	0.1419
	CH6	2437	26.07	404.58	5	3.16	0.2547
	CH11	2462	24.23	264.85	5	3.16	0.1667
11n HT40	CH1	2422	21.59	144.21	5	3.16	0.0908
	CH4	2437	26.05	402.72	5	3.16	0.2535
	CH7	2452	21.92	155.60	5	3.16	0.0979