

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: Wireless N Home Router		
M/N: NBG-418N		
Test date: 2012-04-19	Pressure: 100.3 kpa	Humidity: 52.9%
Tested by: Leo-Li	Test site: RF Site	Temperature : 25.4℃

Cable loss: 1 dB		Attenuator loss: 20 dB				Antenna Gain: 5 dBi	
Test Mode	CH	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	CH1	2412	18.12	64.86	5	3.16	0.0408
	CH6	2437	18.45	69.98	5	3.16	0.0441
	CH11	2462	18.47	70.31	5	3.16	0.0443
11g	CH1	2412	15.32	34.04	5	3.16	0.0214
	CH6	2437	15.49	35.40	5	3.16	0.0223
	CH11	2462	15.62	36.48	5	3.16	0.0230
11n HT20	CH1	2412	17.07	50.93	5	3.16	0.0321
	CH6	2437	17.08	51.05	5	3.16	0.0321
	CH11	2462	16.87	48.64	5	3.16	0.0306
11n HT40	CH1	2422	16.43	43.95	5	3.16	0.0277
	CH4	2437	16.59	45.60	5	3.16	0.0287
	CH7	2452	16.43	43.95	5	3.16	0.0277

Note: The estimation distance is 20cm