

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 Estimation Result

EUT: Wireless N300 4-port Ethernet Gateway with USB		
M/N: EMG1312-R10A		
Test date: 2013-12-29	Pressure: 101.1±1.0 kpa	Humidity: 52.2±3.0%
Tested by: Leo-Li	Test site: RF site	Temperature:21.6±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	20.21	104.95	5	3.16	0.0661
	CH6	2437	19.54	89.95	5	3.16	0.0566
	CH11	2462	18.71	74.30	5	3.16	0.0468
11g	CH1	2412	25.38	345.14	5	3.16	0.2172
	CH6	2437	27.12	515.23	5	3.16	0.3243
	CH11	2462	25.15	327.34	5	3.16	0.2060
11n HT20	CH1	2412	25.51	355.63	5	3.16	0.2238
	CH6	2437	24.71	295.80	5	3.16	0.1862
	CH11	2462	25.10	323.59	5	3.16	0.2037
11n HT40	CH1	2422	26.15	412.10	5	3.16	0.2594
	CH4	2437	25.38	345.14	5	3.16	0.2172
	CH7	2452	25.40	346.74	5	3.16	0.2182