

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-Lite ADSL2+ 4-port Gateway		
M/N:AMG1202-T10A		
Test date: 2011-10-09	Pressure: 101.2 kpa	Humidity: 52.8%
Tested by: Leo-Li	Test site: RF Site	Temperature : 25°C

Cable loss: 1 dB		Attenuator loss: 20 dB				Antenna Gain 4.5 dBi	
Test Mode	CH	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	CH1	2412	10.08	10.19	4.5	2.82	0.0057
	CH6	2437	9.94	9.86	4.5	2.82	0.0055
	CH11	2462	10.64	11.59	4.5	2.82	0.0065
11g	CH1	2412	19.78	95.06	4.5	2.82	0.0533
	CH6	2437	22.26	168.27	4.5	2.82	0.0944
	CH11	2462	22.87	193.64	4.5	2.82	0.1086
11n HT20	CH1	2412	21.59	144.21	4.5	2.82	0.0809
	CH6	2437	22.66	184.50	4.5	2.82	0.1035
	CH11	2462	22.05	160.32	4.5	2.82	0.0899
11n HT40	CH1	2422	19.68	92.90	4.5	2.82	0.0521
	CH4	2437	21.84	152.76	4.5	2.82	0.0857
	CH7	2452	20.03	100.69	4.5	2.82	0.0565

Note: The estimation distance is 20cm