

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 ADSL2+ 4-port Gateway		
M/N: AMG1302-T10A		
Test date: 2011-12-10	Pressure: 100.6 kpa	Humidity: 47%
Tested by: Leo-Li	Test site: RF Site	Temperature : 25℃

Cable loss: 1 dB		Attenuator loss: 20 dB				Antenna Gain: 4 dBi	
Test Mode	CH	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	CH1	2412	16.58	45.50	4	2.51	0.0227
	CH6	2437	16.53	44.98	4	2.51	0.0225
	CH11	2462	16.59	45.60	4	2.51	0.0228
11g	CH1	2412	21.95	156.68	4	2.51	0.0783
	CH6	2437	21.79	151.01	4	2.51	0.0755
	CH11	2462	22.03	159.59	4	2.51	0.0798
11n HT20	CH1	2412	22.78	189.67	4	2.51	0.0948
	CH6	2437	22.16	164.44	4	2.51	0.0822
	CH11	2462	22.77	189.23	4	2.51	0.0946
11n HT40	CH1	2422	22.96	197.70	4	2.51	0.0988
	CH4	2437	23.24	210.86	4	2.51	0.1054
	CH7	2452	23.11	204.64	4	2.51	0.1023

Note: The estimation distance is 20cm