

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 150 Router		
M/N: DIR-524		
Test date: 2012-05-25	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: 2 dBi	
Test Mode	CH	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	CH1	2412	17.25	53.09	2	1.58	0.0167
	CH6	2437	17.29	53.58	2	1.58	0.0169
	CH11	2462	17.08	51.05	2	1.58	0.0161
11g	CH1	2412	15.09	32.28	2	1.58	0.0102
	CH6	2437	15.55	35.89	2	1.58	0.0113
	CH11	2462	15.67	36.90	2	1.58	0.0116
11n HT20	CH1	2412	14.41	27.61	2	1.58	0.0087
	CH6	2437	14.58	28.71	2	1.58	0.0091
	CH11	2462	14.19	26.24	2	1.58	0.0083
11n HT40	CH1	2422	13.04	20.14	2	1.58	0.0064
	CH4	2437	13.89	24.49	2	1.58	0.0077
	CH7	2452	13.56	22.70	2	1.58	0.0072

Note: The estimation distance is 20cm