

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: Ultrathin Wireless Router		
M/N: R100		
Test date: 2013-09-03	Pressure: 101.3±1.0 kpa	Humidity: 48.9±3.0%
Tested by: Leo-Li	Test site: RF site	Temperature: 22.5±0.6 °C

Cable loss: 1 dB		Attenuator loss: 20 dB				Antenna Gain: 1.32dBi	
Test Mode	CH	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	CH1	2412	19.10	81.28	2	1.58	0.0256
	CH6	2437	19.33	85.70	2	1.58	0.0270
	CH11	2462	19.45	88.10	2	1.58	0.0278
11g	CH1	2412	23.94	247.74	2	1.58	0.0782
	CH6	2437	24.04	253.51	2	1.58	0.0800
	CH11	2462	22.98	198.61	2	1.58	0.0627
11n HT20	CH1	2412	24.57	286.42	2	1.58	0.0904
	CH6	2437	24.68	293.76	2	1.58	0.0927
	CH11	2462	21.20	131.83	2	1.58	0.0416
11n HT40	CH1	2422	23.52	224.91	2	1.58	0.0709
	CH4	2437	23.35	216.27	2	1.58	0.0682
	CH7	2452	22.26	168.27	2	1.58	0.0531