

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

10.2. Estimation Result

EUT: WIRELESS USB ADAPTER		
M/N: MT-WN731NM		
Test date:2013-12-02	Pressure: 101.2±1.0 kpa	Humidity: 48.4±3.0%
Tested by: Leo-Li	Test site: RF site	Temperature:20.7±0.6 °C

Cable loss: 1 dB		Attenuator loss: 20 dB				Antenna Gain:1.06dBi	
Test Mode	CH	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	CH1	2412	25.37	344.35	1.06	1.28	0.0875
	CH6	2437	26.31	427.56	1.06	1.28	0.1086
	CH11	2462	26.03	400.87	1.06	1.28	0.1018
11g	CH1	2412	27.21	526.02	1.06	1.28	0.1336
	CH6	2437	27.85	609.54	1.06	1.28	0.1549
	CH11	2462	27.48	559.76	1.06	1.28	0.1422
11n HT20	CH1	2412	25.74	374.97	1.06	1.28	0.0953
	CH6	2437	27.69	587.49	1.06	1.28	0.1493
	CH11	2462	27.32	539.51	1.06	1.28	0.1371
11n HT40	CH1	2422	26.01	399.02	1.06	1.28	0.1014
	CH4	2437	27.52	564.94	1.06	1.28	0.1435
	CH7	2452	27.27	533.33	1.06	1.28	0.1359