

## 11.MPE ESTIMATION

### 11.1.Limit for General Population/ Uncontrolled Exposures

Frequency	Power density (mW/ cm <sup>2</sup> )	Averaging time(minutes)
300MHz----1.5GHz	F/1500	30
1.5GHz---100GHz	1.0	30

Frequency(MHz)	Power density (mW/ cm <sup>2</sup> )	Averaging time(minutes)
2412	1	30
2437	1	30
2462	1	30

Note: F= Frequency in MHz

### 11.2.2, Estimation Result

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	17.61	57.68	2	1.58	0.0182
	CH6	2437	20.12	102.80	2	1.58	0.0324
	CH11	2462	20.15	103.51	2	1.58	0.0327
11g	CH1	2412	16.93	49.32	2	1.58	0.0156
	CH6	2437	24.14	259.42	2	1.58	0.0818
	CH11	2462	16.89	48.87	2	1.58	0.0154
11n HT20	CH1	2412	16.06	40.36	2	1.58	0.0127
	CH6	2437	25.32	340.41	2	1.58	0.1074
	CH11	2462	15.66	36.81	2	1.58	0.0116
11n HT40	CH1	2422	11.48	14.06	2	1.58	0.0044
	CH4	2437	22.64	183.65	2	1.58	0.0579
	CH7	2452	11.66	14.66	2	1.58	0.0046

Note: The estimation distance is 20cm