

## 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

### 11.2.Estimation Result

Mode	CH	Frequency (MHz)	PK Output power (dBm)	Output power (mW)	Antenna Gain (dBi)	antenna Gain(linear)	MPE
11b	1	2412	21.30	134.90	5	3.16	0.0849
	6	2437	21.83	152.41	5	3.16	0.0959
	11	2462	22.27	168.66	5	3.16	0.1062
11g	1	2412	18.60	72.44	5	3.16	0.0456
	6	2437	19.15	82.22	5	3.16	0.0518
	11	2462	19.63	91.83	5	3.16	0.0578
11n HT20	1	2412	18.22	66.37	5	3.16	0.0418
	6	2437	18.85	76.74	5	3.16	0.0483
	11	2462	19.27	84.53	5	3.16	0.0532
11n HT40	1	2422	17.75	59.57	5	3.16	0.0375
	4	2437	18.07	64.12	5	3.16	0.0404
	7	2452	18.31	67.76	5	3.16	0.0427

Note: The estimation distance is 20cm