

## 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.Estimation Result

Mode	CH	Frequency (MHz)	PK Output power (dBm)	Output power (mW)	antenna Gain (dBi)	antenna Gain (linear)	MPE
11b	1	2412	17.62	57.81	3	2.00	0.0230
	6	2437	17.5	56.23	3	2.00	0.0223
	11	2462	17.66	58.34	3	2.00	0.0232
11g	1	2412	19.68	92.90	3	2.00	0.0369
	6	2437	22.64	183.65	3	2.00	0.0729
	11	2462	18.45	69.98	3	2.00	0.0278
11n HT20	1	2412	21.23	132.74	3	2.00	0.0527
	6	2437	25.6	363.08	3	2.00	0.1442
	11	2462	20.8	120.23	3	2.00	0.0477
11n HT40	1	2422	19.9	97.72	3	2.00	0.0388
	4	2437	26.24	420.73	3	2.00	0.1671
	7	2452	19.53	89.74	3	2.00	0.0356

Note: The estimation distance is 20cm