

## 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	17.42	55.21	4	2.51	0.0276
	6	2437	17.92	61.94	4	2.51	0.0310
	11	2462	16.49	44.57	4	2.51	0.0223
11g	1	2412	20.85	121.62	4	2.51	0.0608
	6	2437	21.68	147.23	4	2.51	0.0736
	11	2462	20.46	111.17	4	2.51	0.0556
11n HT20	1	2412	21.14	130.02	4	2.51	0.0650
	6	2437	24.45	278.61	4	2.51	0.1393
	11	2462	18.33	68.08	4	2.51	0.0340
11n HT40	1	2422	18.30	67.61	4	2.51	0.0338
	4	2437	24.48	280.54	4	2.51	0.1403
	7	2452	16.51	44.77	4	2.51	0.0224

Note: The estimation distance is 20cm