

## 10.MPE ESTIMATION

### 10.1.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

10.2. Estimation Result

EUT: Atmospheric Water Cooler		
M/N: 5T1.5		
Test date: 2016-1-7	Pressure: 102.1±1.0 kpa	Humidity: 51.9±3.0%
Tested by: Thomax_chen	Test site: RF site	Temperature: 23.2±0.6

Test Mode	CH	Frequency ( MHz )	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	PSD (mW /cm <sup>2</sup> )
11b	CH1	2412	17.09	51.17	2	1.58	0.0161
	CH6	2437	17.77	59.84	2	1.58	0.0189
	CH11	2462	16.48	44.46	2	1.58	0.0140
11g	CH1	2412	13.77	23.82	2	1.58	0.0075
	CH6	2437	16.12	40.93	2	1.58	0.0129
	CH11	2462	13.75	23.71	2	1.58	0.0075
11n HT20	CH1	2412	13.76	23.77	2	1.58	0.0075
	CH6	2437	16.23	41.98	2	1.58	0.0132
	CH11	2462	14.35	27.23	2	1.58	0.0086

$$MPE = \frac{PG}{4\pi R^2} \quad (R=20 \text{ cm})$$