

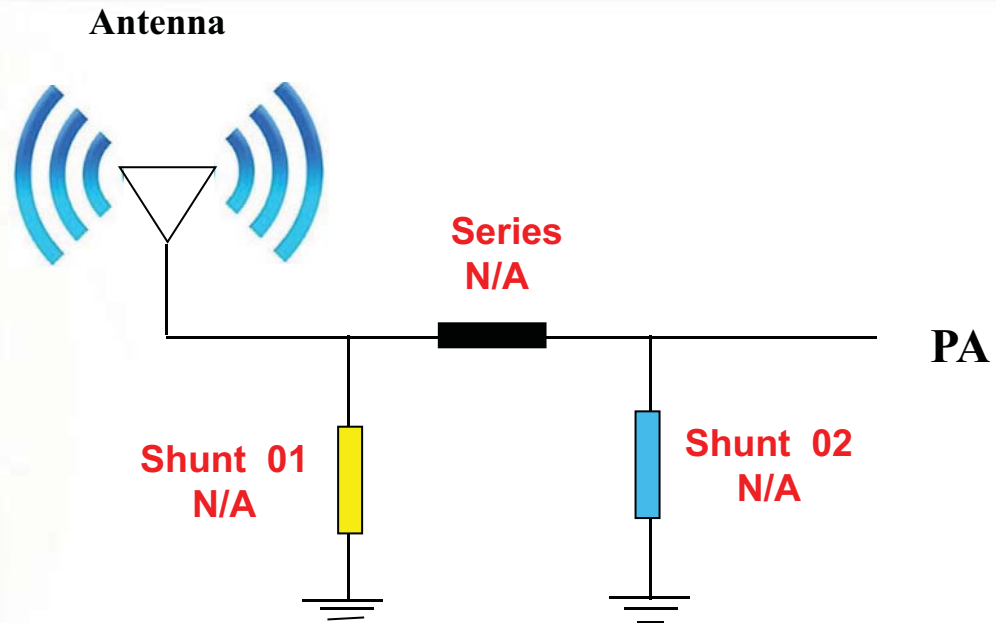


# ***Contents***

---

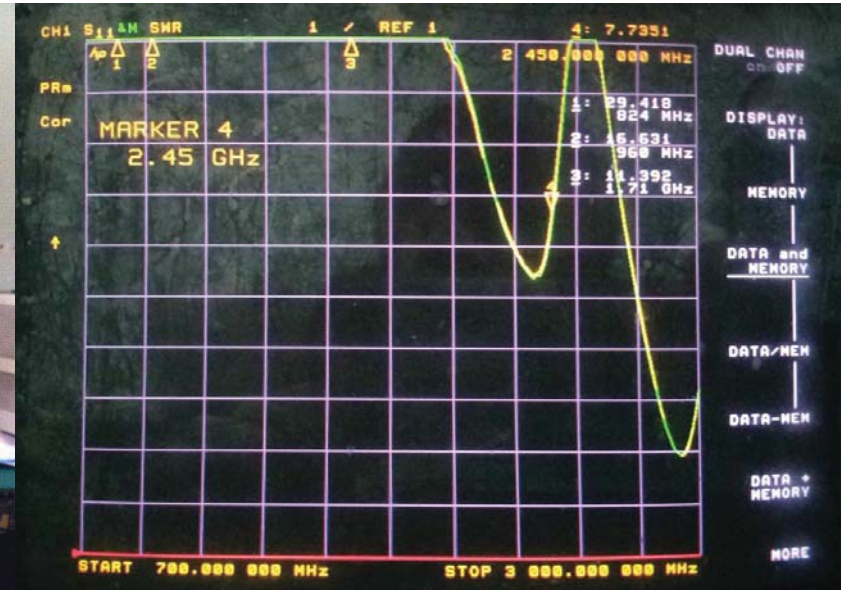
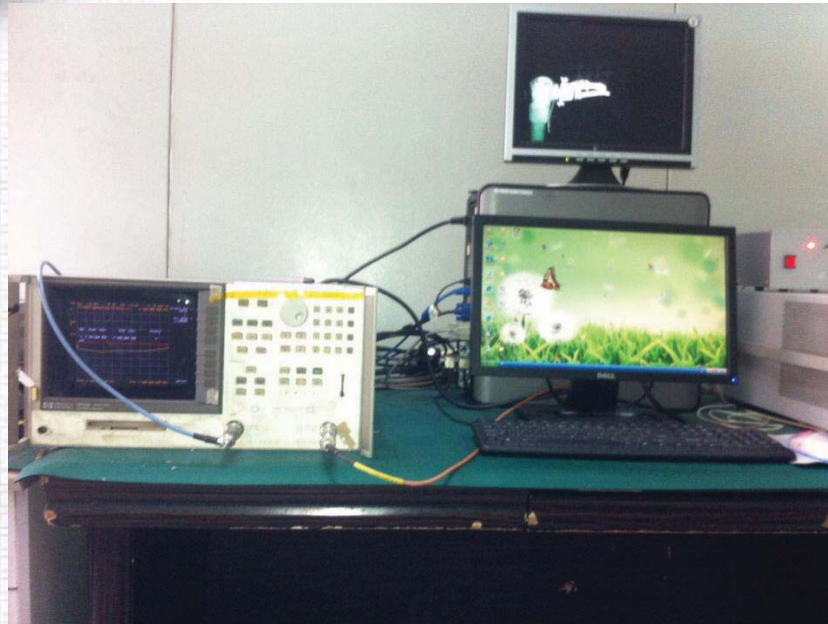
- 1 : Antenna Overview & Dimension
- 2 : The test project
  - 2.1 Antenna Matching Network
  - 2.2 VSWR
  - 2.3 Gain & Efficiency
  - 2.4 3D Date
  - 2.5 The Free Space 3D Date/The Free Space 2D Date
- 3 : Ground processing

## 2.1 Antenna Matching Network



Location	Description	Vendor
Shunt 01	N/A	N/A
Series	N/A	N/A
Shunt 02	N/A	N/A

## 2. 2 VSWR



Freq.(MHz)	2400	2450	2500
VSWR	6.95	7.73	8.54

## 2.3 antenna GAIN & Efficiency

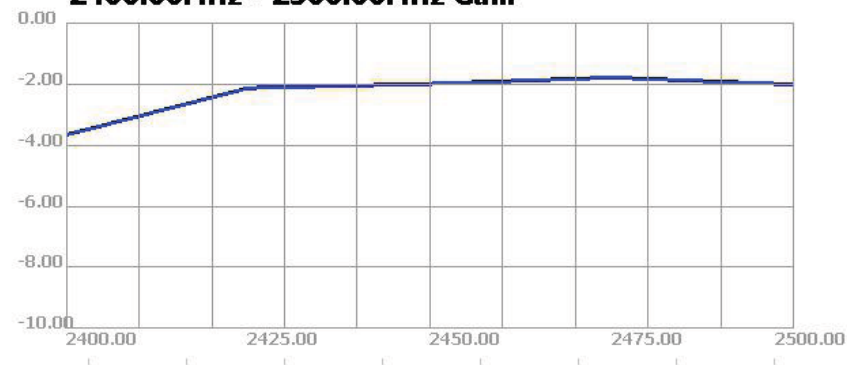




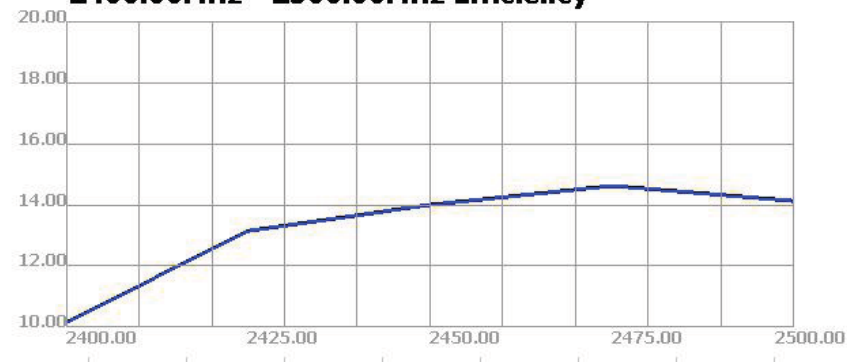
## 2.3\_antenna GAIN & Efficiency

Passive Test For 2.4wifi								
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	10.16	-9.93	-3.66	-5.81	-3.66	-23.75	54.46	54.32
2425	13.15	-8.81	-2.13	-4.28	-2.13	-26.02	54.71	54.51
2450	14	-8.54	-1.99	-4.14	-1.99	-24.02	54.13	53.97
2475	14.62	-8.35	-1.79	-3.94	-1.79	-23.91	54.14	54
2500	14.13	-8.5	-2.01	-4.16	-2.01	-22.86	54.26	54.03

**2400.00MHz - 2500.00MHz Gain**

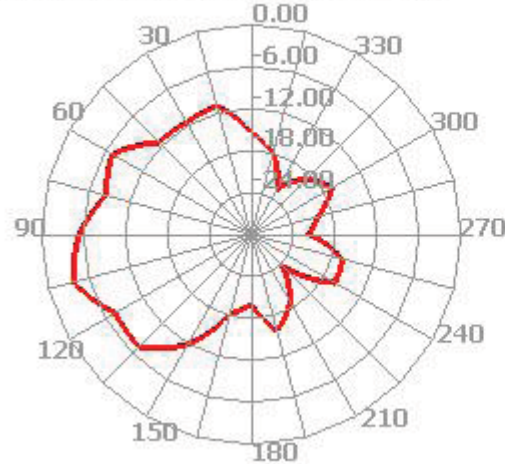


**2400.00MHz - 2500.00MHz Efficiency**

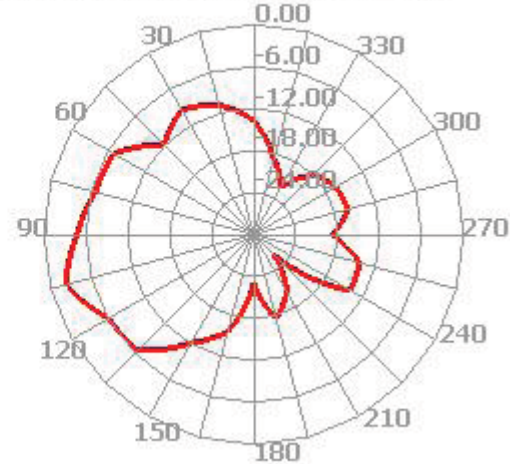


## 2.4 direction radiation intensity chart

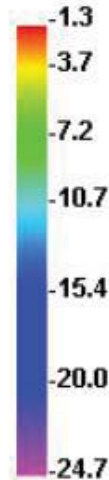
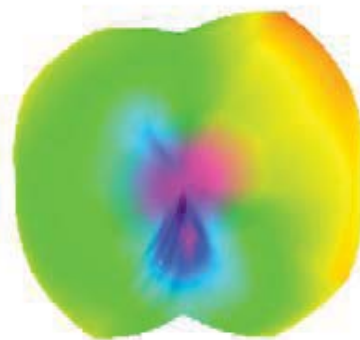
**2400.000MHz Phi=45**



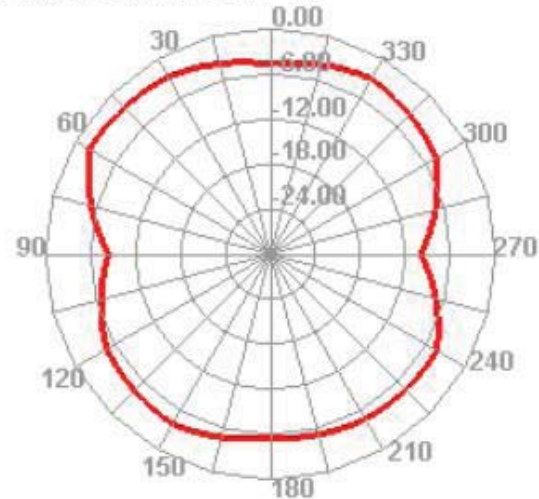
**2425.000MHz Phi=45**



**2500.000MHz**



**2500.000MHz H**



## 4 Antenna drawing



Antenna drawing