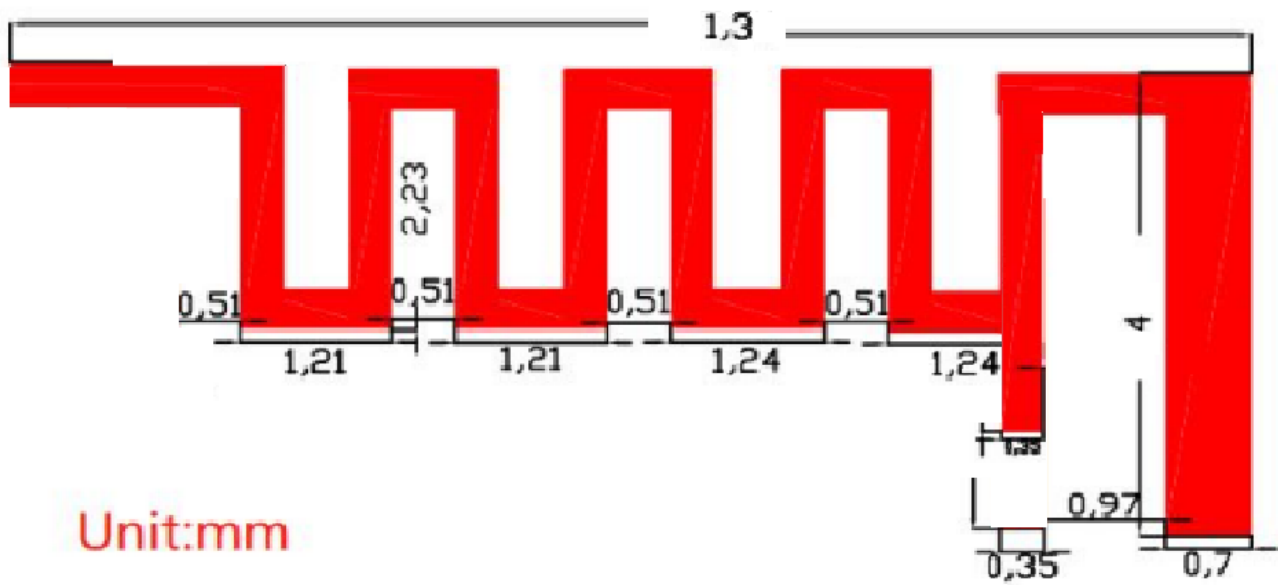


Antenna describe

1. Antenna describe:	
Anetenna plate	PCB antenna
Make name/model name	2. 4G_PCB_SPP200
Anetenna gain	-0.06dBi
frequency range	2. 4GHz-2. 5GHz
Connector type	direct
Location of mearement (company name)	

2、 External view drawing:

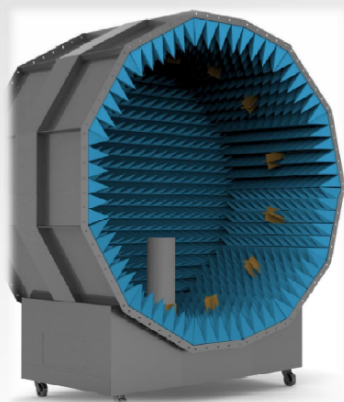
Picture of antenna



2.Test equipment

测试设备 / Equipment

auden^o



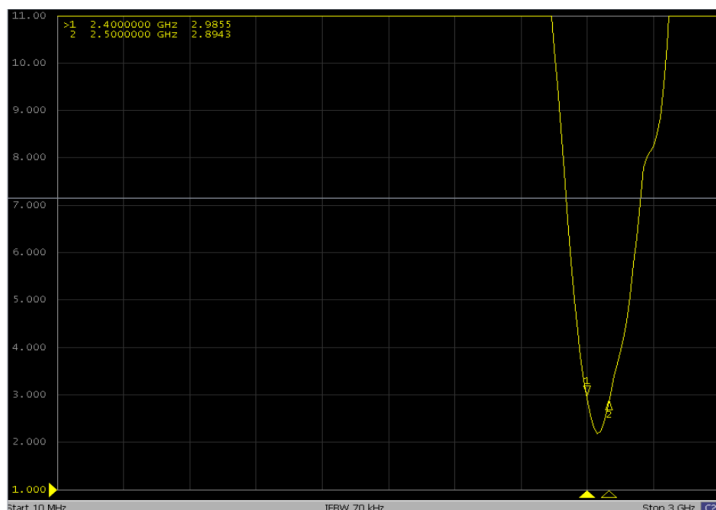
- GTS Rayzone1800
- Agilent E5071C
- Agilent 8960
- Anritsu MT8820
- StarPoint SP6010
- Anritsu MT8860
- Agilent E4438C



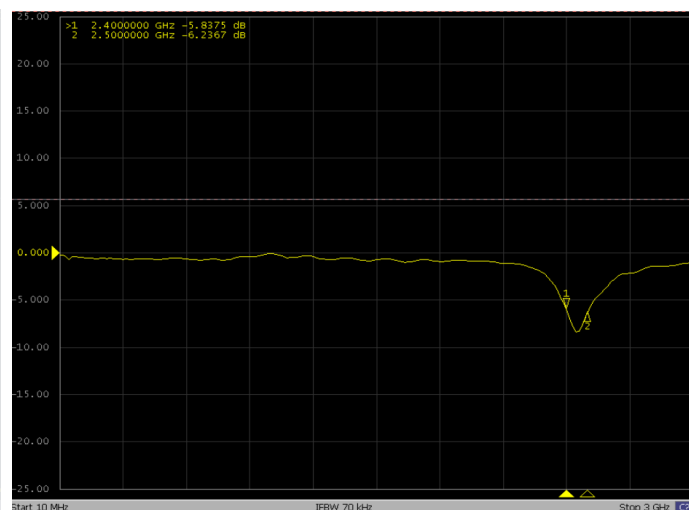
2

Company Confidential, Auden
Many aspects of this presentation are protected by US, TW, CN and international patents and patent applications

3.Return loss、 VSWR



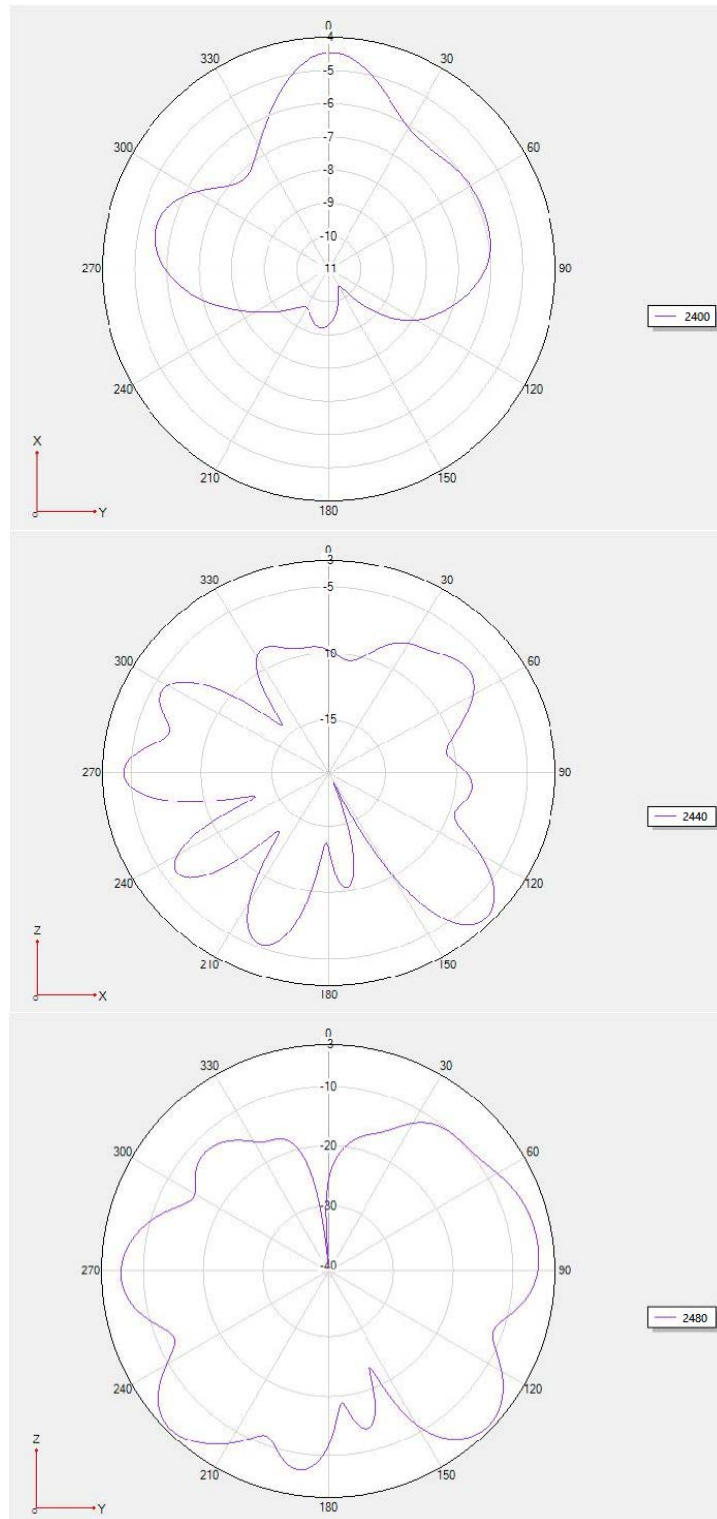
VSWR



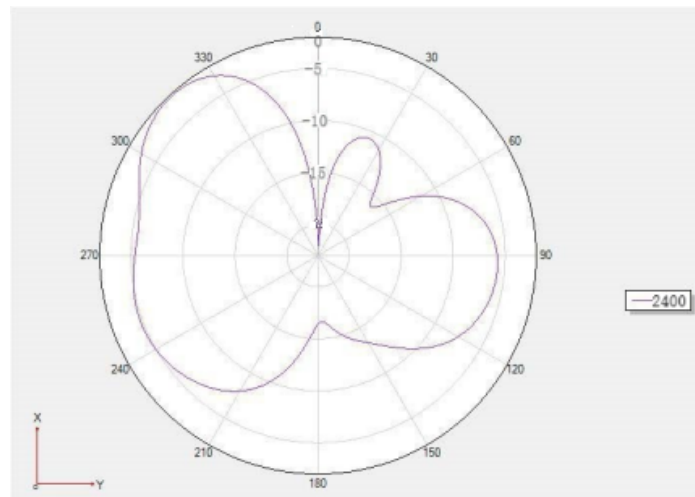
Return loss

4. Direction and gain diagram

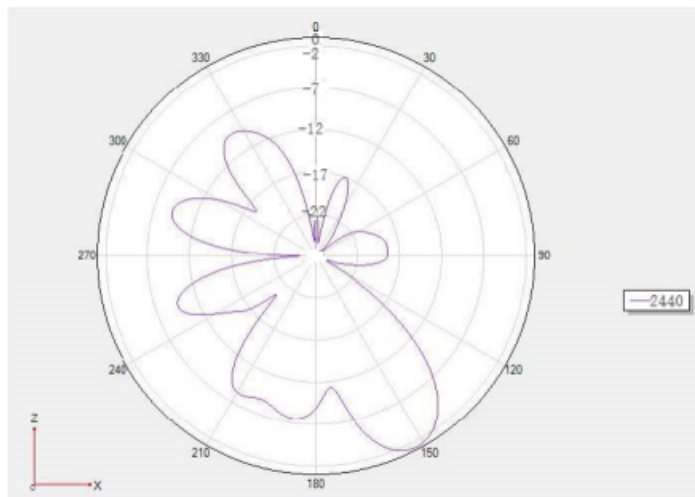
Etheta[Unit:dBi]



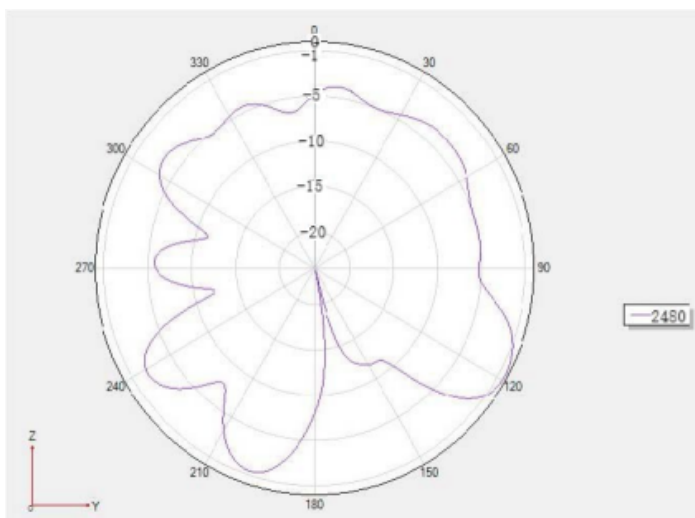
Ephi[Unit:dBi]



Gain: -1.90dBi



Gain: -0.72dBi



Gain: -0.06 dBi

5. Antenna gain table

Frequency / MHz	Efficiency / %	Gain/ dBi
2400	22.29	-1.90
2410	24.61	-1.52
2420	26.72	-1.15
2430	28.62	-0.77
2440	27.97	-0.72
2450	30.65	-0.17
2460	30.04	-0.16
2470	28.77	-0.17
2480	28.70	-0.06
2490	26.38	-0.34
2500	25.77	-0.40