

东莞市优比电子有限公司

>>>>>>>>>> 样品承认书 <<<<<<<<<<<

物料名称:	全向天线			客户 云联友科
物料料号:	PJ-QXSMA-188			
规格描述:	全向天线-型号: C260-X-2.4G-驻波: <1.92-增益5DBi 白色圆筒圆锥型天线-尺寸:13x180mm-SMA头内孔			
承认书份数	一式 <u>3</u> 份	样品数量:	<u>1</u>	供应商（盖公章）
供应商签名	确认: <u>刘中林</u> 审核: <u>刘长兴</u>			

应用机型号:			承认版本:
承样申请原因:	☐ 新产品需求(新增)	☐ 物料停产替代	☐ 物料降本替代
	☐ 新增备选供应商	☐ 物料变更厂商	☐ 物料配置新机型验证
承认说明事项:	1		
	2		
采购工程师确认:		采购部审核:	

研发部 测试 验证	硬件工程师确认:		研发部审核:	
	结构工程师确认:		研发部审核:	
	测试工程师确认:		硬件测试结果 (附测试报告)	
	软件工程师确认:		软件测试结果 (附测试报告)	
	试产: ☐ 是 ☐ 否	试产机型: 试产数量:		研发PM签名:
	物料变更通知	☐ 已通知业务部 ☐ 下通知		物料录入系统 BOM专员签名:

品质部	品质工程师 样品承认确认:		品质部审核:	
	品质工程师 试产单确认:		品质部审核:	



好天线 · 优比造

东莞市优比电子有限公司

Dongguan Youbi Electronics Co.,Ltd

承 认 书

APPROVAL SHEET

客 户 名 称

CUSTOMER NAME:

产 品 名 称

PRODUCT NAME: 2.4G SMA 公头母针青干剑白色天线

客 户 料 号

CUSTOMER P/N:

优比电子料号

Youbi P/N: UB02S28W3D1243A REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
APPROVED BY:		
DATE:	2024-1-20	



好天线 · 优比造

东莞市优比电子有限公司

Dongguan Youbi Electronics Co.,Ltd

Modification History

Version	Content Revision	Issued by	Date
A	Original version	lina	2024-1-20

Content

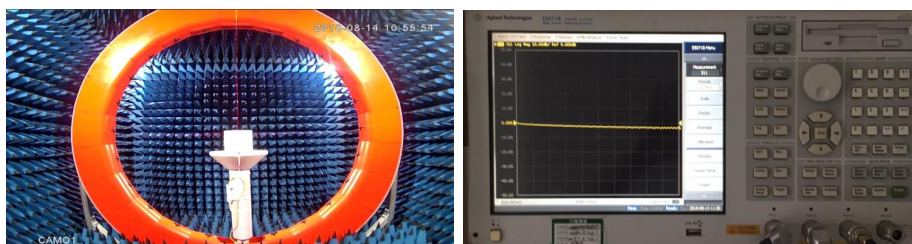
<i>Item</i>	<i>Description</i>
1.-----	Electrical Specification
2.-----	Test Items and Equipment
3.-----	S Parameter
4.-----	Efficiency and Gain
5.-----	Radiation Pattern
6.-----	Active test data
7.-----	Antenna installation diagram

1.Electrical Specification

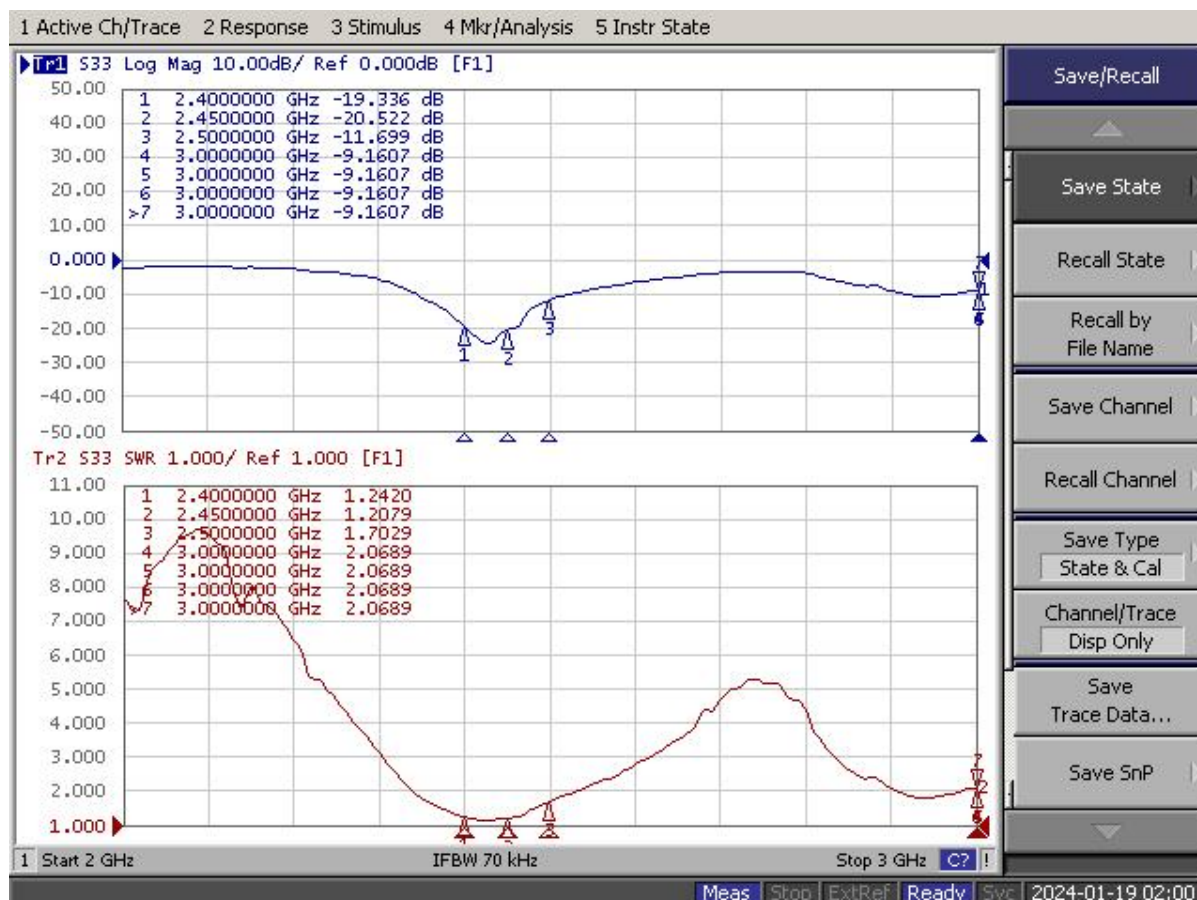
Characteristics	Specifications	Unit
Outline Dimensions	144x8.8 Ø13	mm
Frequency	2400-2500	MHz
Impedance	50	Ω
VSWR	≤ 2.0	
Polarization	Linear Polarization	
Gain	4±0.5	dBi
Efficiency	≥ 70	%
Connector Type	SMA	
Operating temperature	-40℃~+85℃	
Storage Temp	-40℃~+65℃	

2.Test Items and Equipment

	Test items	Test equipment
S Parameter	1.Return Loss 2.VSWR	Network analyzer (Agilent E5071B)
The whole machine of Passive parameters	1.Frequency 2.Gain 3.Radiation Pattern	1.3D microwave darkroom (5m*5m*5m) 2.Network analyzer (Agilent E5071B)

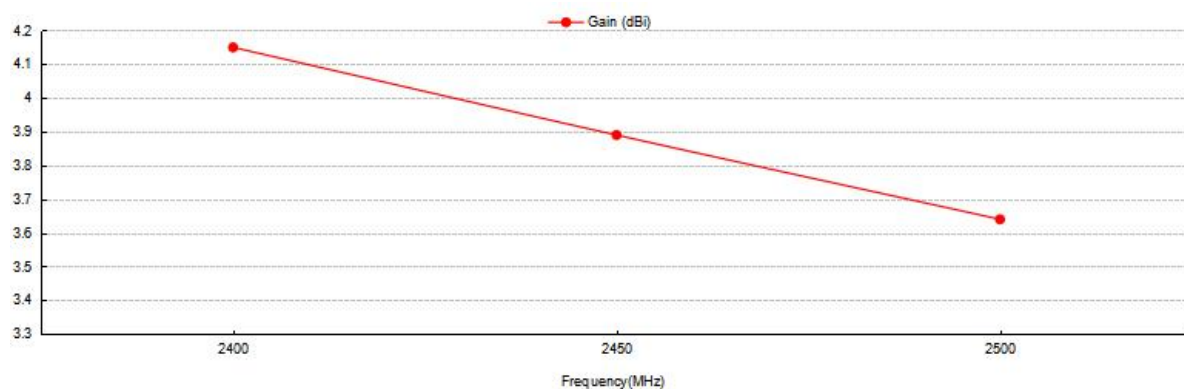
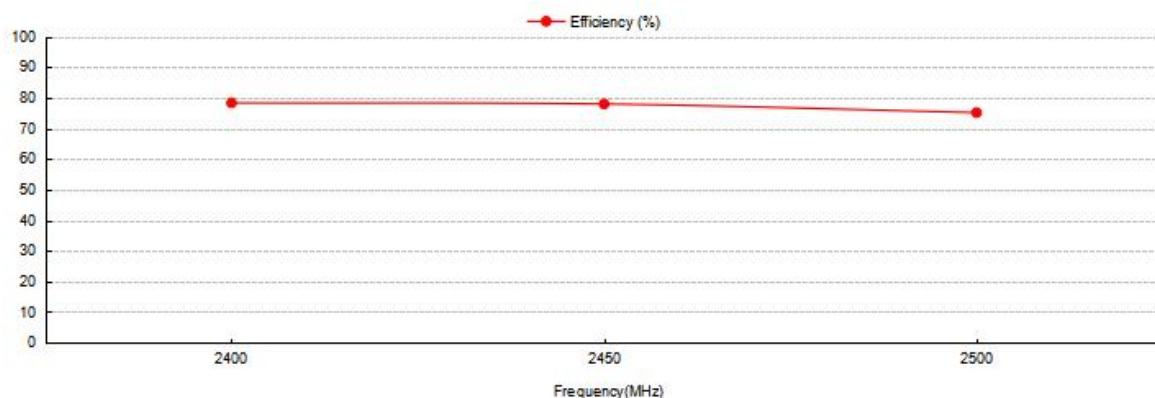


3. S Parameter



Frequency (MHz)	2400	2450	2500
Return Loss(dB)	-19.33	-20.52	-11.69
VSWR	1.24	1.20	1.70

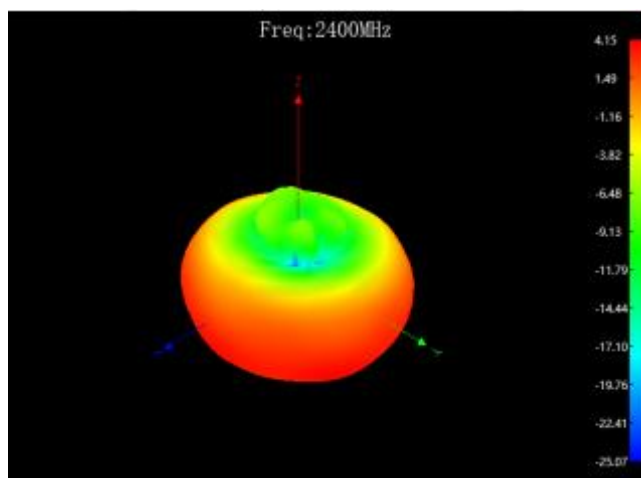
4. Efficiency and Gain



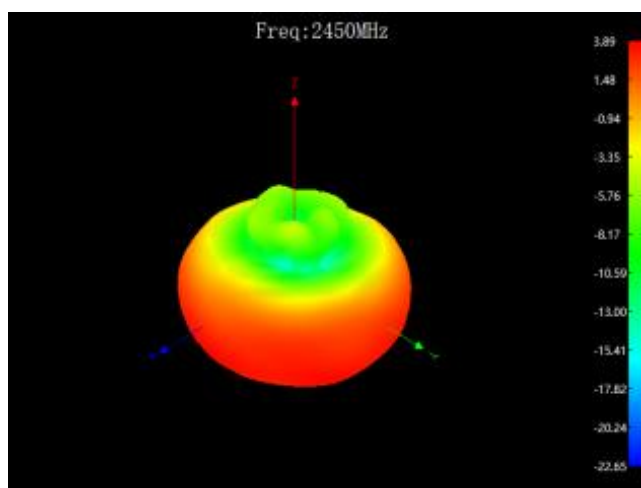
Frequency (MHz)	2400	2450	2500
Gain (dBi)	4.15	3.89	3.64
Efficiency (%)	78.34	77.98	75.16

5. Radiation Pattern

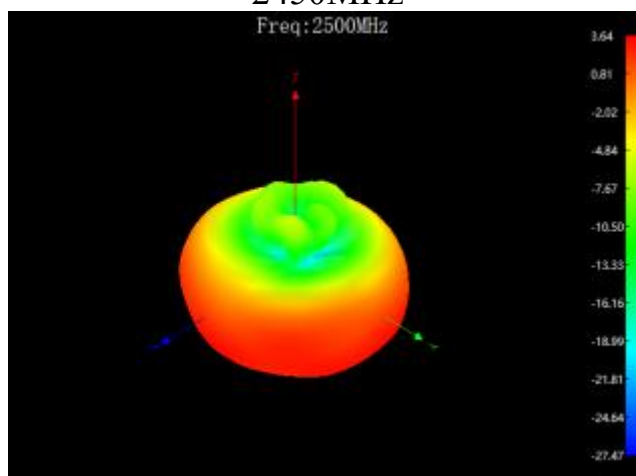
5-1 Antenna 3D Radiation Pattern



2400MHz

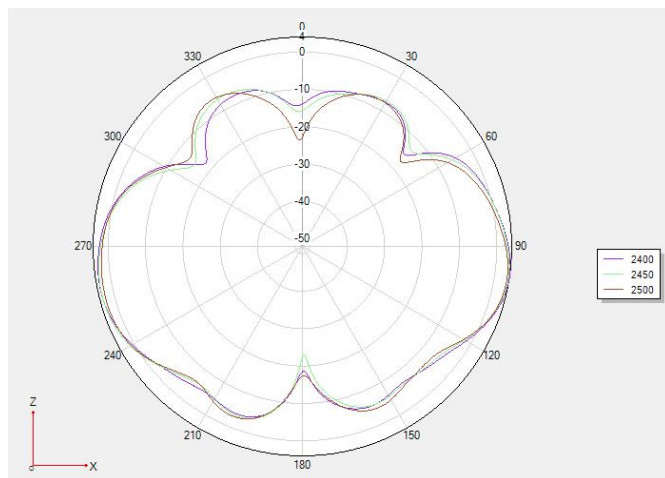


2450MHz

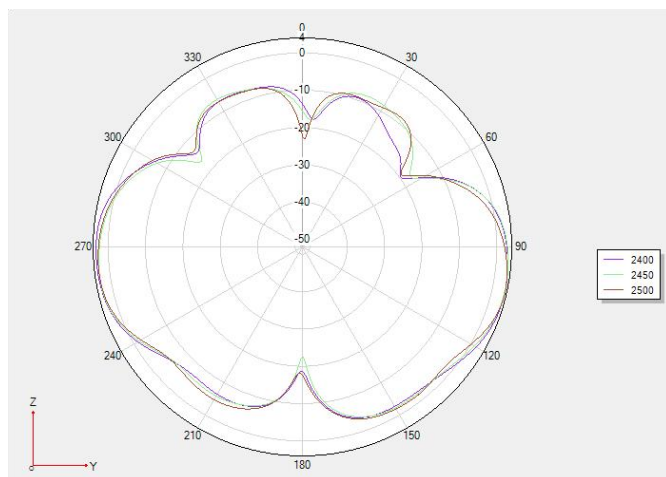


2500MHz

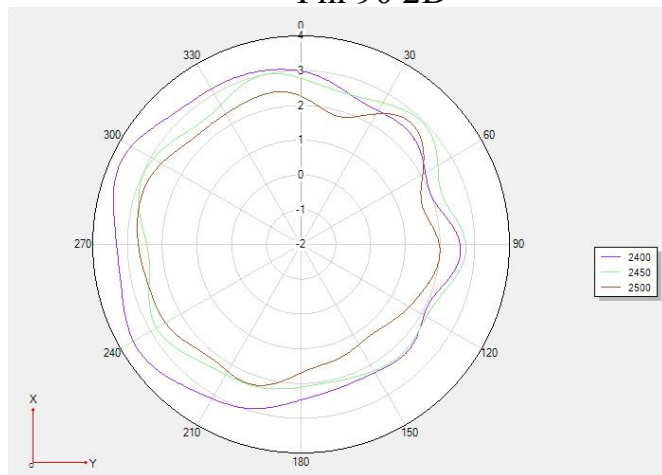
5-2 Antenna 2D Radiation Pattern



Phi 0 2D

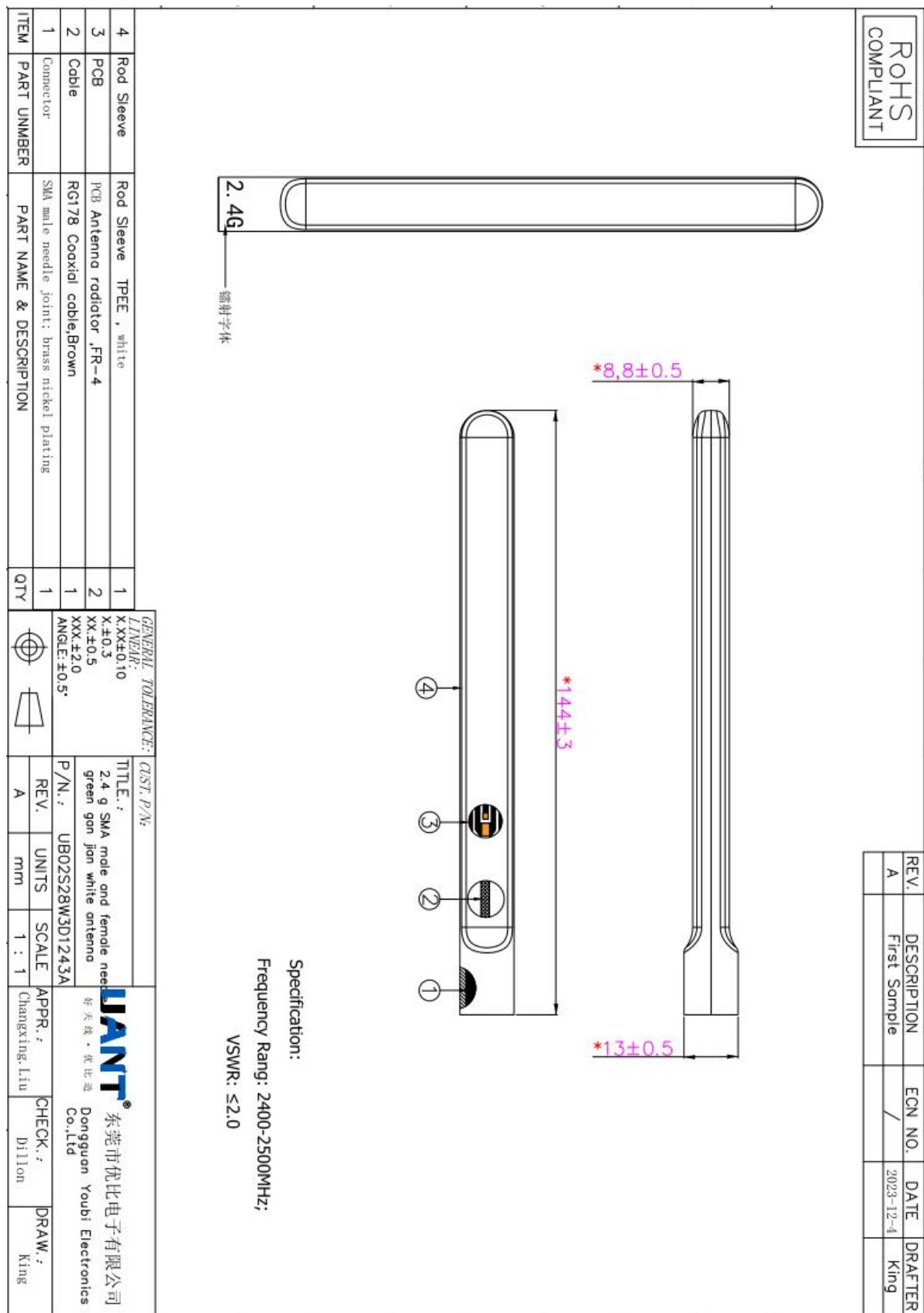


Phi 90 2D



Theta 90 2D

7. Mechanical Specification



>>>>>>>>>> 样品承认书 <<<<<<<<<<<<

品质部	品质工程师 样品承认确认:		品质部审核:	
	品质工程师 试产单确认:		品质部审核:	

承 认 书

APPROVAL SHEET

客 户 名 称

CUSTOMER NAME:

产 品 名 称

PRODUCT NAME: 5.8G SMA 公头母针青干剑白色天线

客 户 料 号

CUSTOMER P/N:

优比电子料号

Youbi P/N: UB02S38W3D1244A REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
APPROVED BY:	Changxing. Liu	
DATE:	2024-1-20	

Modification History



Version	Content Revision	Issued by	Date
A	Original version	lina	2024-1-20

Content

Item	Description
1.	-----Electrical Specification
2.	-----Test Items and Equipment
3.	-----S Parameter
4.	-----Efficiency and Gain
5.	-----Radiation Pattern
6.	-----Active test data
7.	-----Antenna installation diagram

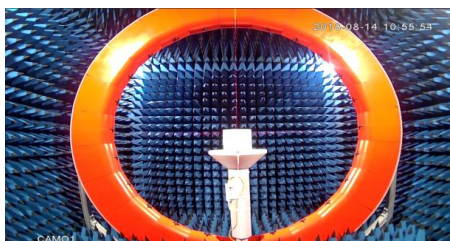
1.Electrical Specification

Characteristics	Specifications	Unit
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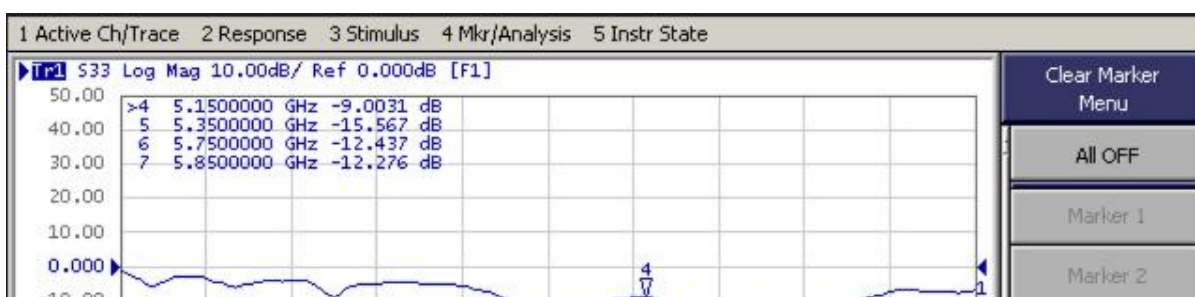
Outline Dimensions	144x8.8 Ø13	mm
Frequency	5150-5850	MHz
Impedance	50	Ω
VSWR	≤ 2.5	
Polarization	Linear Polarization	
Gain	4±0.5	dBi
Efficiency	≥ 70	%
Connector Type	SMA	
Operating temperature	-40℃~+85℃	
Storage Temp	-40℃~+65℃	

2.Test Items and Equipment

	Test items	Test equipment
S Parameter	1.Return Loss 2.VSWR	Network analyzer (Agilent E5071B)
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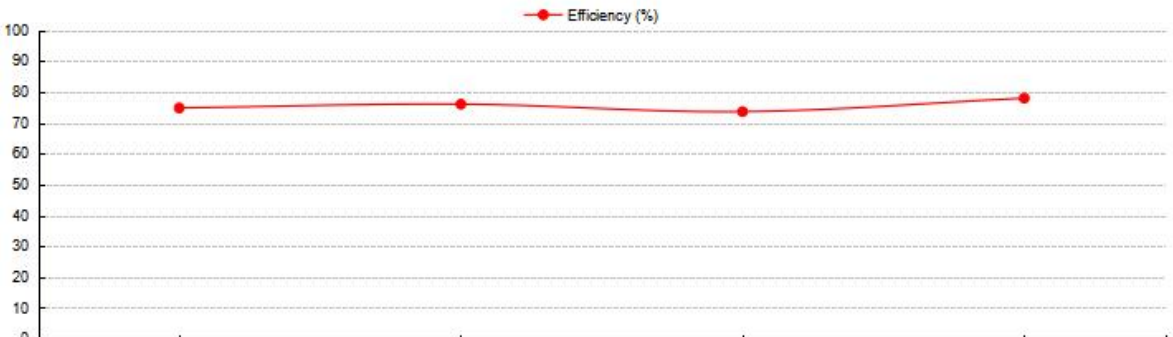


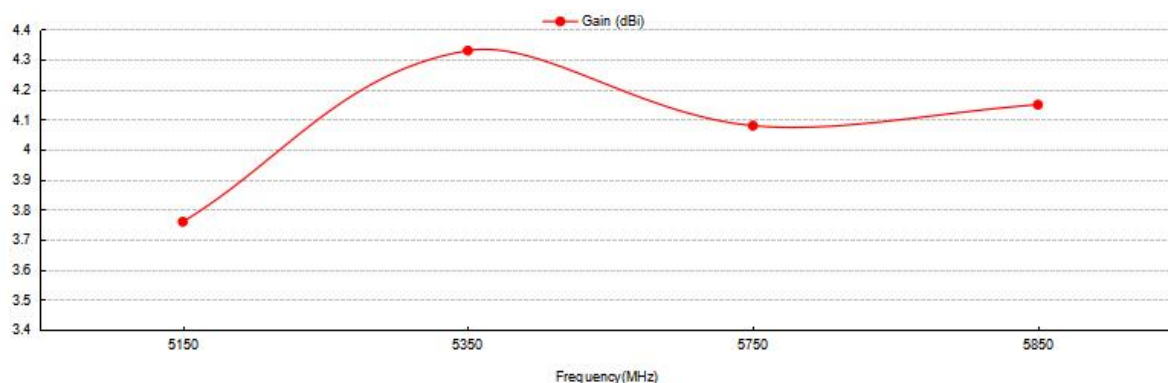
3. S Parameter



Frequency (MHz)	5150	5350	5750	5800
Return Loss(dB)	-9.0	-15.56	-12.43	-12.27
VSWR	2.09	1.10	1.62	1.64

4. Efficiency and Gain

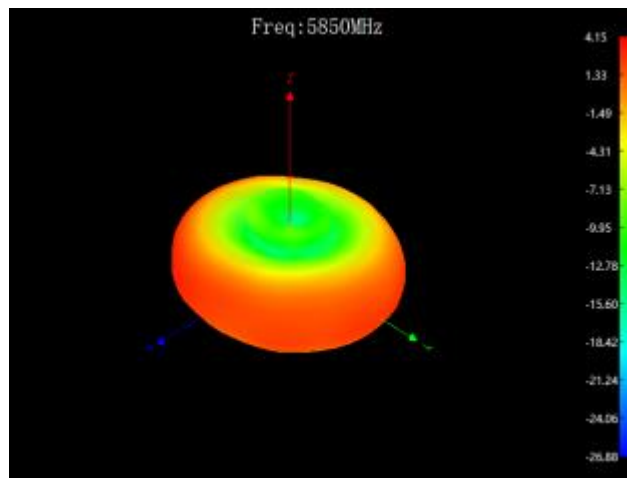
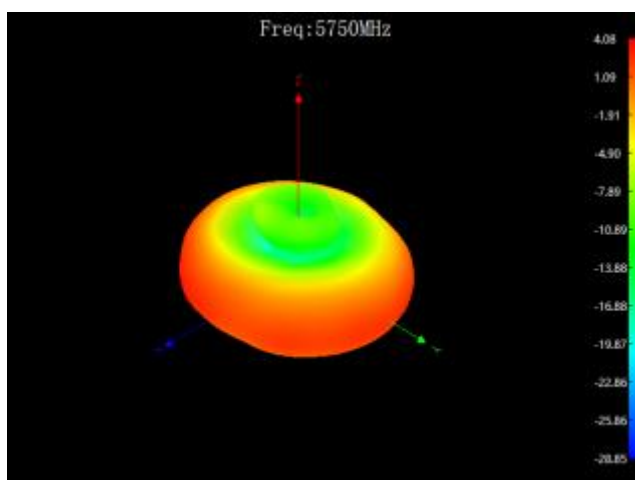
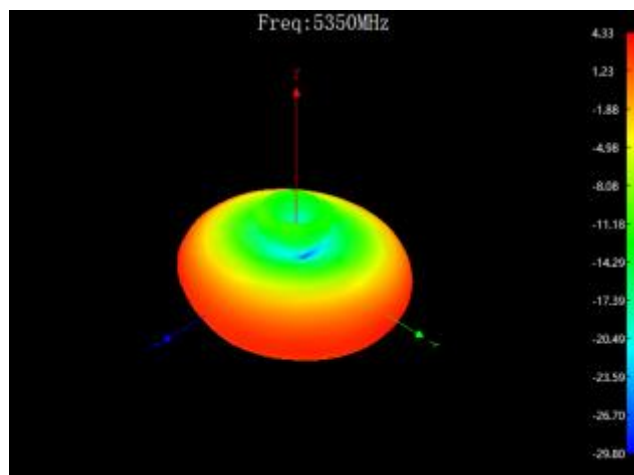
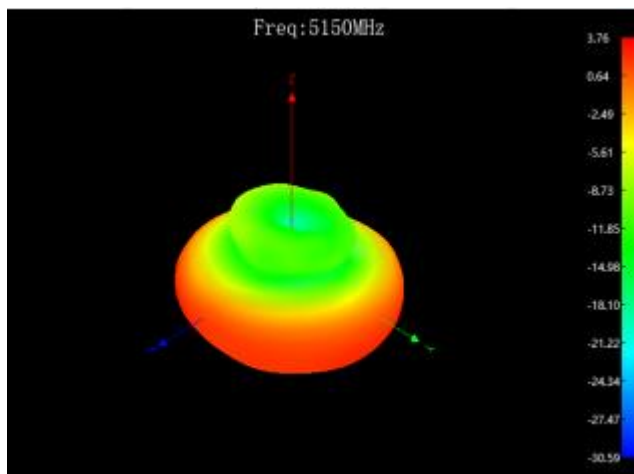




Frequency (MHz)	5150	5350	5750	5850
Gain (dBi)	3.76	4.33	4.08	4.15
Efficiency (%)	74.82	76.03	73.62	77.98

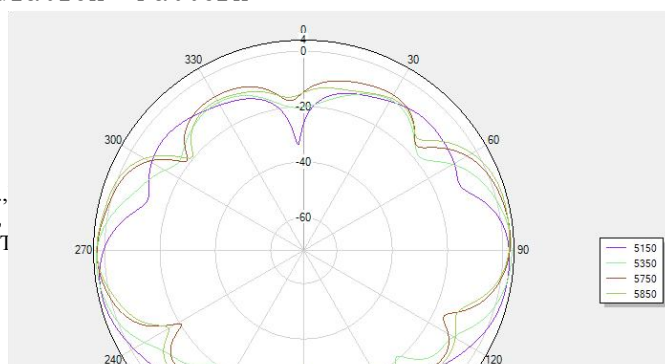
5. Radiation Pattern

5-1 Antenna 3D Radiation Pattern



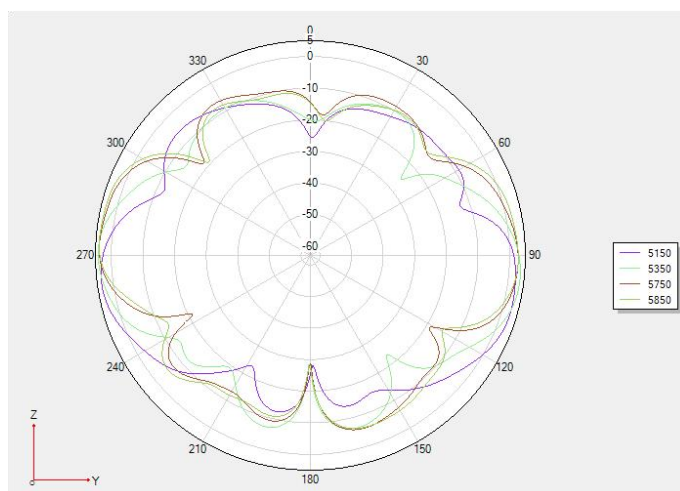
5-2 Antenna 2D Radiation Pattern

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Tel:+86-769-81777126

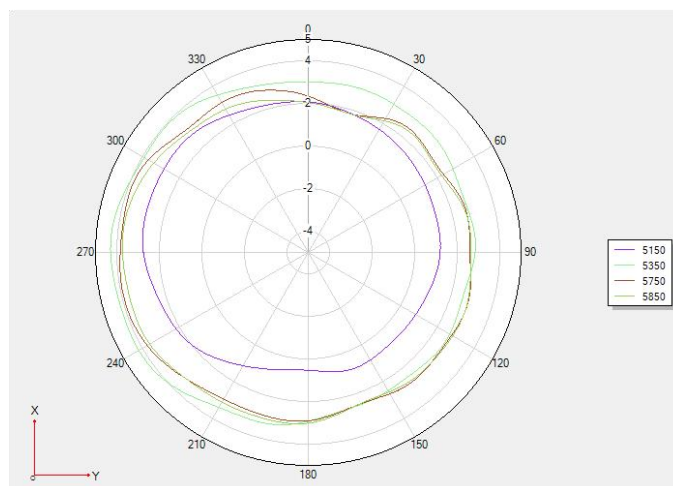


i Electronics Co.,LTD
;A,Xinzheng Industrial Park,
Bao 'an District, Shenzhen

Phi 0 2D



Phi 90 2D



Theta 90 2D

7. Mechanical Specification

