

		文件编号:	
Specification For Approval			
客户名称: Customer:	深圳市云影视讯科技有限公司		
供应商名称: Customer:	东莞市中易达电子科技有限公司		
客户料号:		供应商料号:	
产品描述:	Integral Antenna	配用机型:	
供应商承认(盖章):		客户承认(盖章):	
制作: 周景峰	结构: 周景峰		
审核:	日期: 2024. 10. 24		

			Document number :
Specification For Approval			
Customer name : Customer:	Shenzhen Yun Yingxin Technology Co., LTD		
Supplier name: Customer:	Dongguan Zhongyida Electronic Technology Co., LTD		
Customer item code:		Supplier part number:	
Product description :	Integral Antenna	Compatible models:	
Supplier acknowledges (stamped):		Customer acknowledges (stamped):	
Produced by: Zhou Jingfeng	Structure: Zhou Jingfeng		
Examine and verify :	Date: 24.10.2024		

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一、产品图片



二、产品参数

产品测试参数			
产品名称(Name)	Small foldable antenna	产品型号(Model Type)	F015 1.13黑L=108mm
电 性 能 指 标 (Electrical Specifications)			
频 率 范 围 (Frenquency Range)	2400-5800MHZ	极化方式 (Polarization)	垂直
输入阻抗(Impedance)	50 Ω	辐射方向	全向
驻波比 (VSWR)	≤2	功率容量(Power)	50W
增益(Gain)	4dBi	带宽 (Bandwidth	100MHz

1. Product Pictures



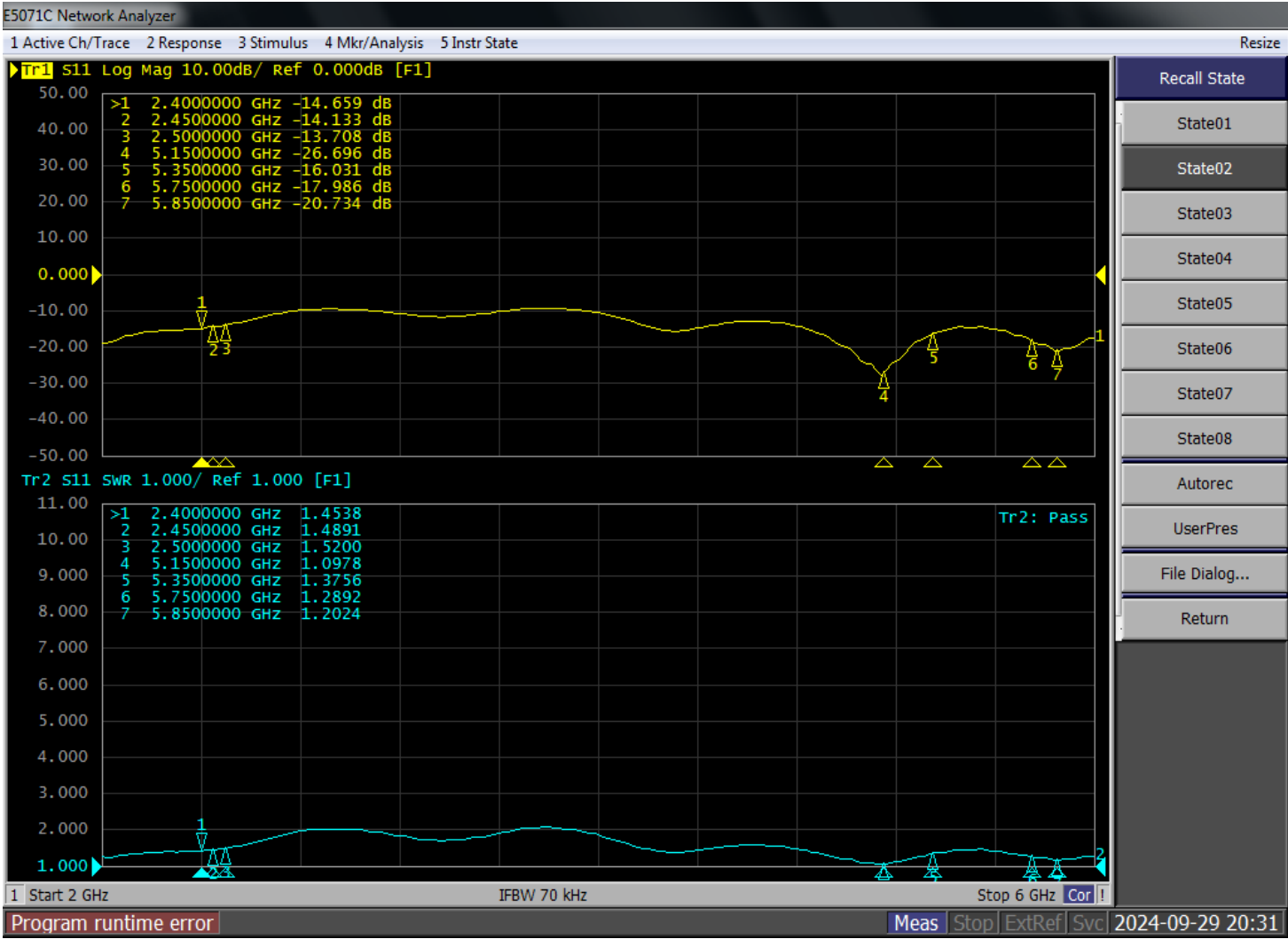
2. Product Parameters

Product Test Parameters			
Product Name	Built-in flexible WiFi antenna	Product Model (Model Type)	F015 1.13 black L=108mm
Electrical Specifications			
Frequency Range	2400-5800MHZ	Polarization	Perpendicular
Input Impedance (Impedance)	50 Ω	Radiation direction	Omnidirectional
Standing Wave Ratio (VSWR)	≤ 2	Power capacity	50W
Gain (Gain)	4dBi	Bandwidth (Bandwidth)	100MHz

机械指标 (Mechanical Specifications)			
尺寸 (Dimensions)	40*38.38	天线颜色(Chassis Color)	黑色
连接器型号 (Connector)	一代端子	引线长度(Cable Length)	
天线材料 (Chassis Material)	FPC		
工作温度 (Working Temperature)	-40℃±85℃	存放温度 (Limit Temperature)	-40℃±85℃

三、S11（VSWR、Return loss、Smith）数据

1.1 网络分析仪报告

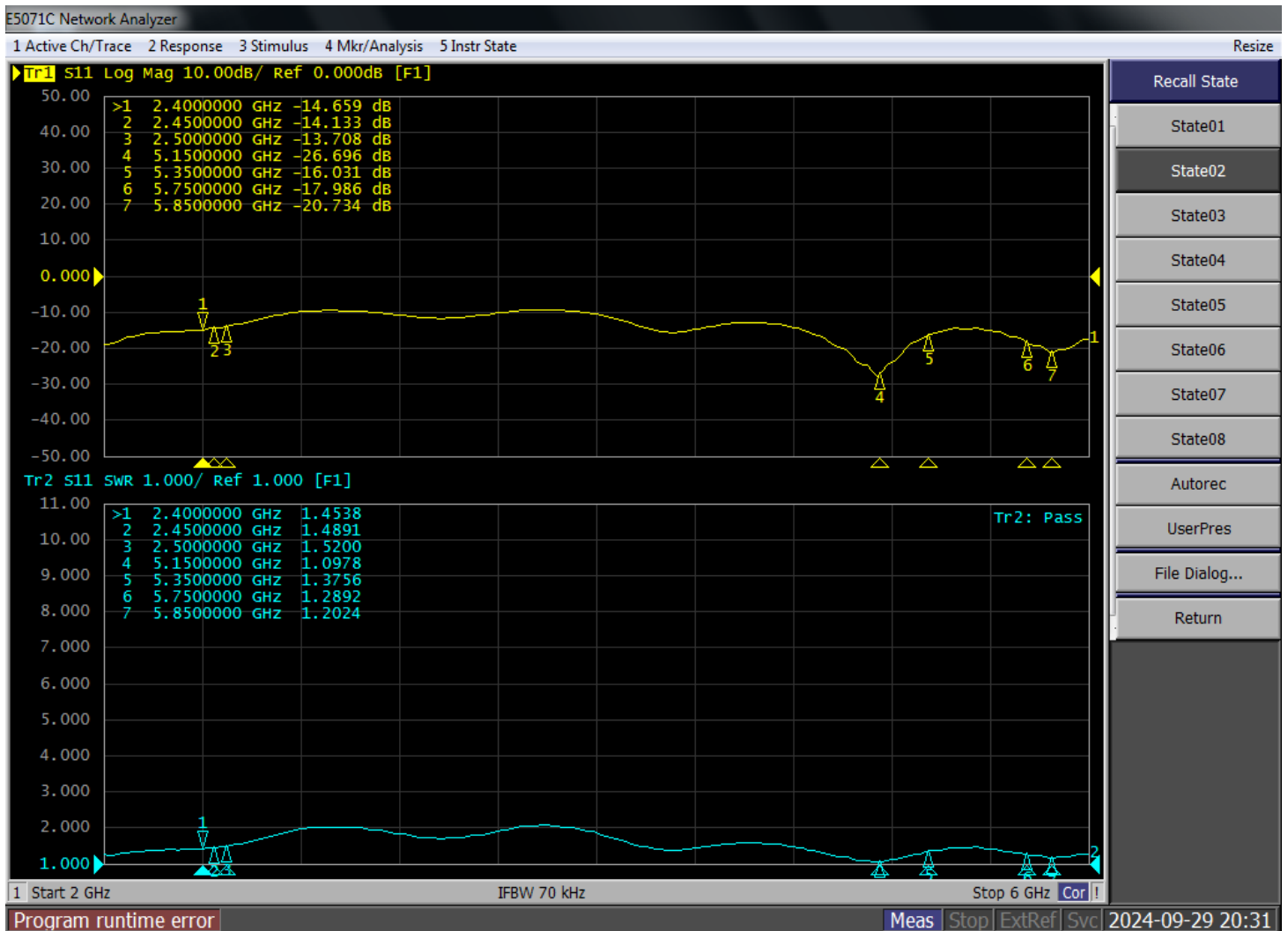


Mechanical Specifications

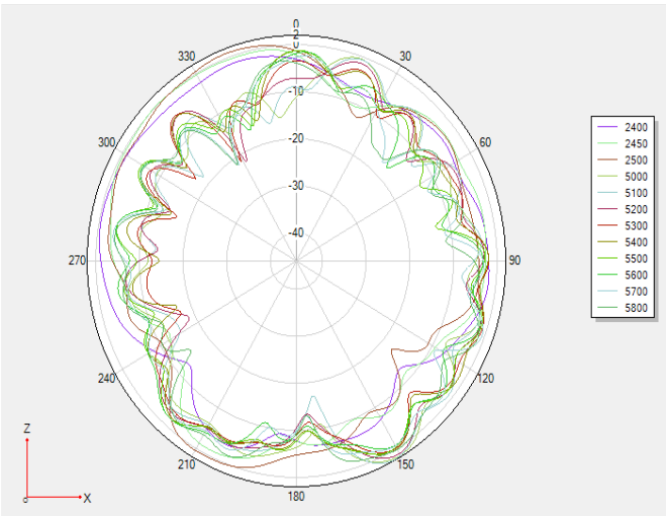
Dimensions	40*38.38	Antenna Color (Chassis Color)	Black
Connector Model (Connector)	Terminal	Cable Length	400MM±2MM
Antenna Material (Chassis Material)	FPC		
Working temperature (Working Temperature)	-40℃±85℃	Storage temperature (Limit Temperature)	-40℃±85℃

3. S11 (VSWR, Return Loss, Smith) Data

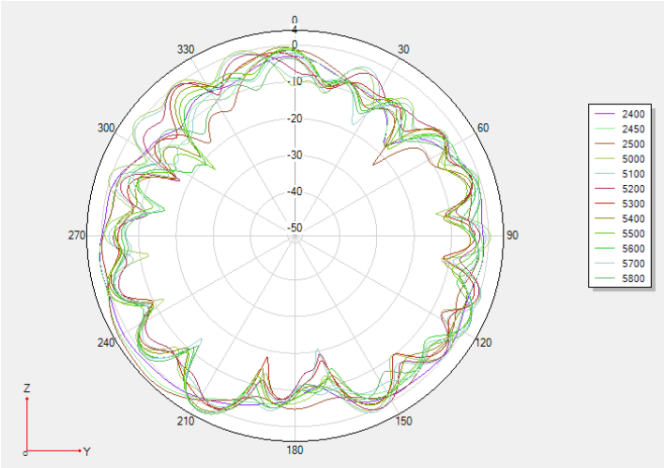
1.1 Network Analyzer Report



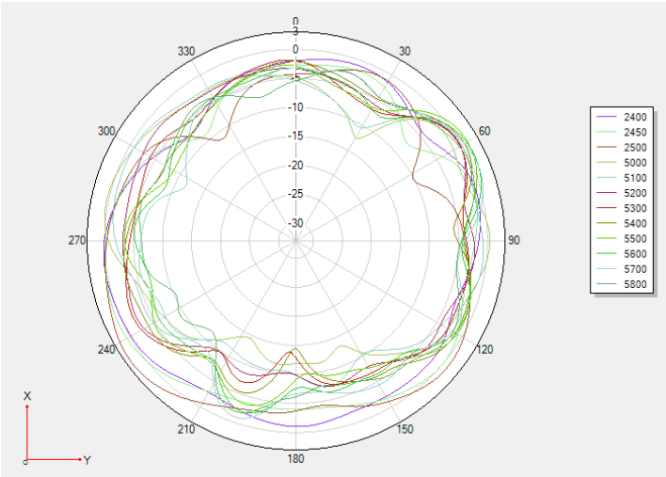
2.2 2D方向图



Phi 0 2D

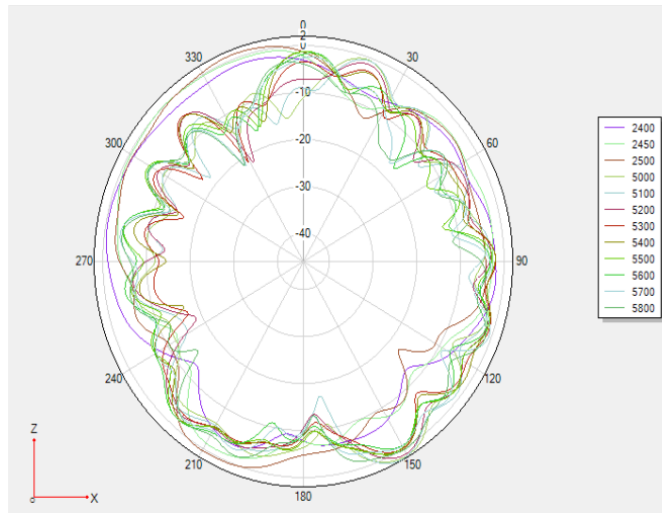


Phi 90 2D

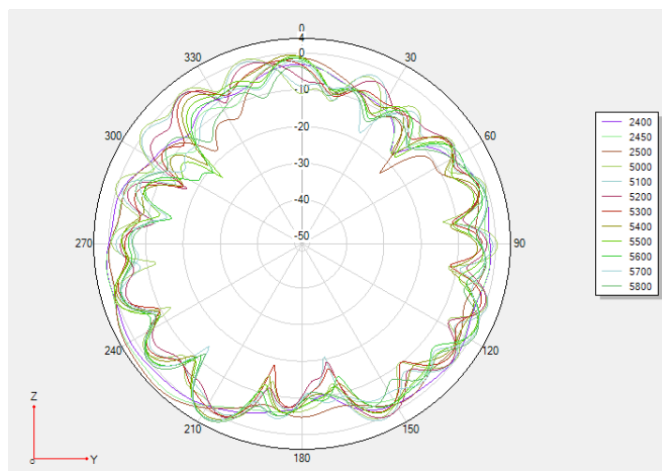


Theta 90 2D

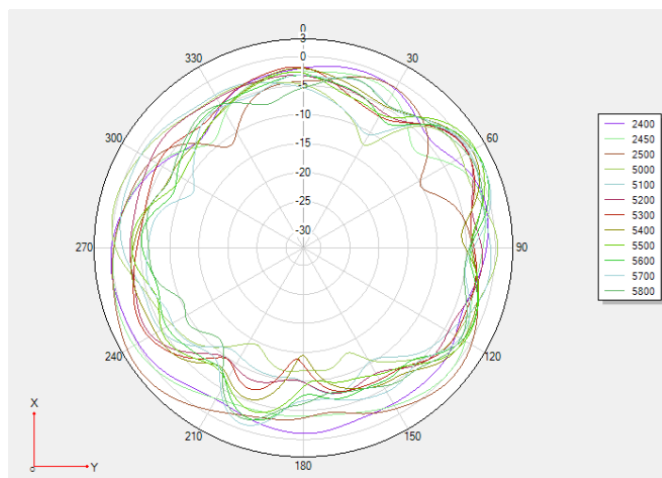
2.2 2D Directional Chart



Phi 0 2D

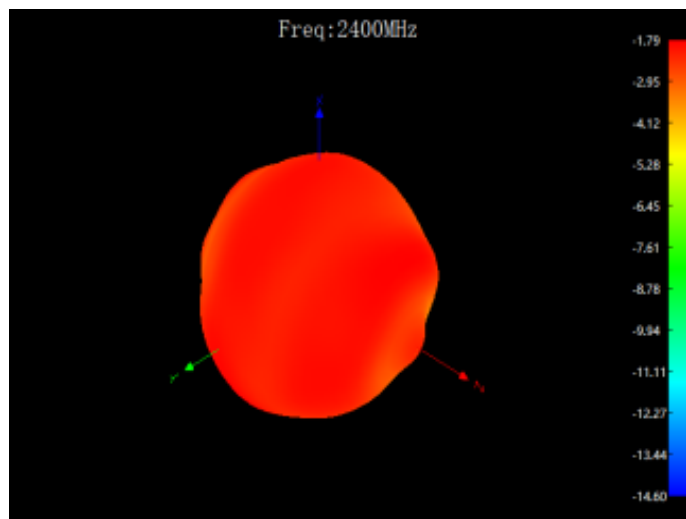


Phi 90 2D

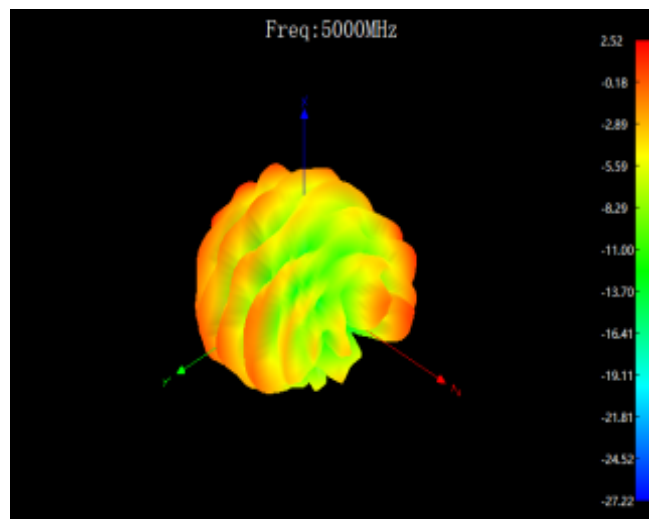


Theta 90 2D

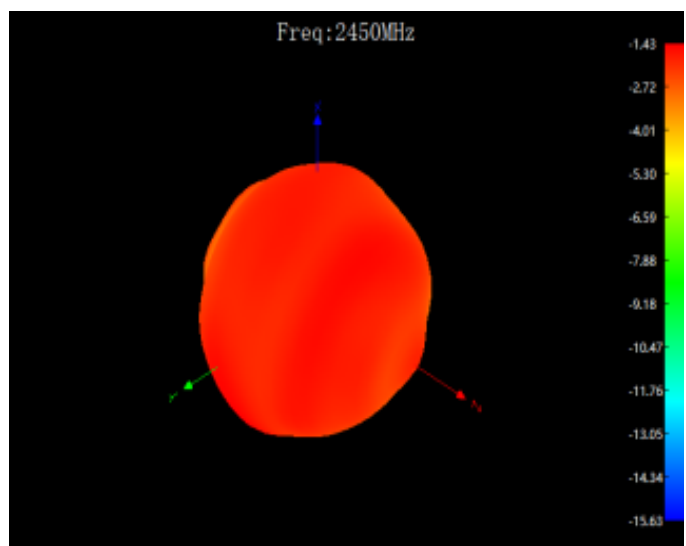
3.3 3D方向图



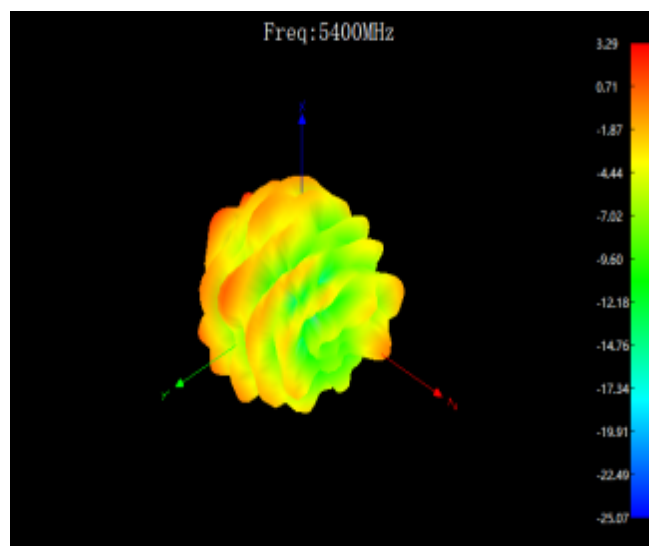
2400HMZ



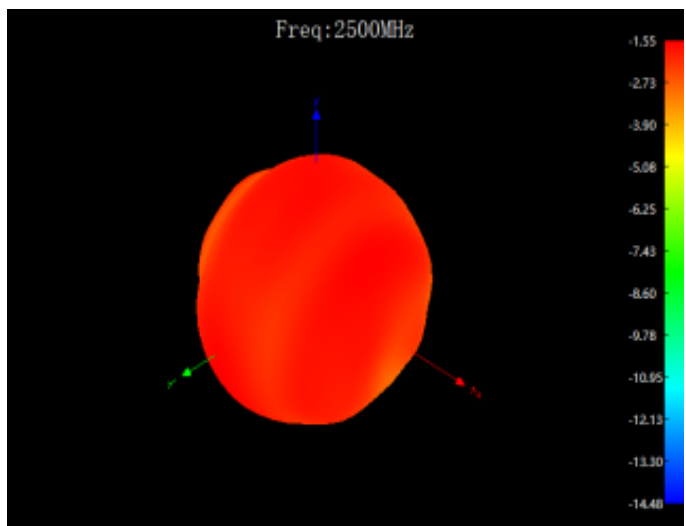
5000HMZ



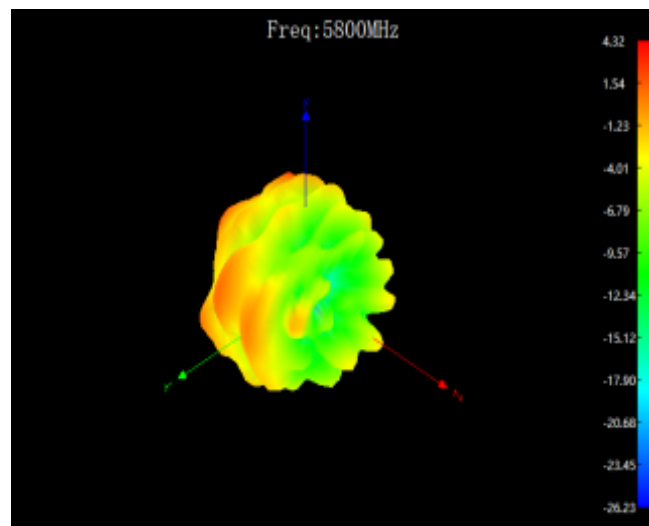
2450HMZ



5400HMZ

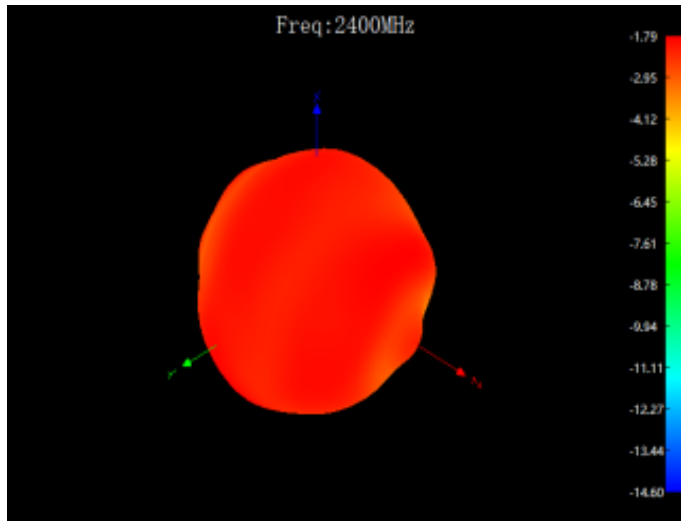


2500HMZ

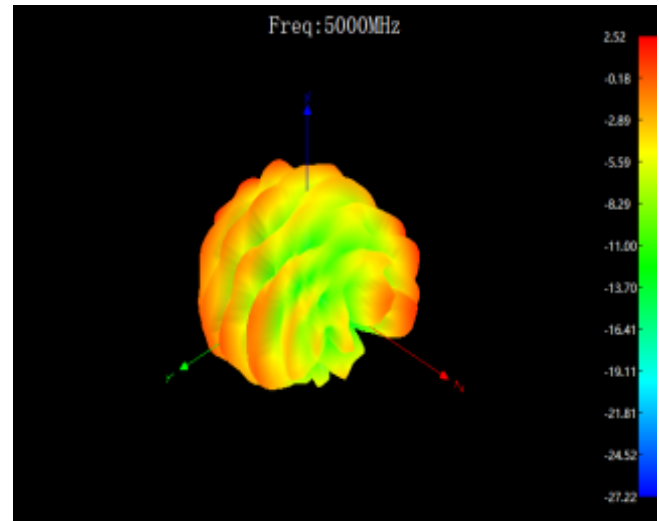


5800HMZ

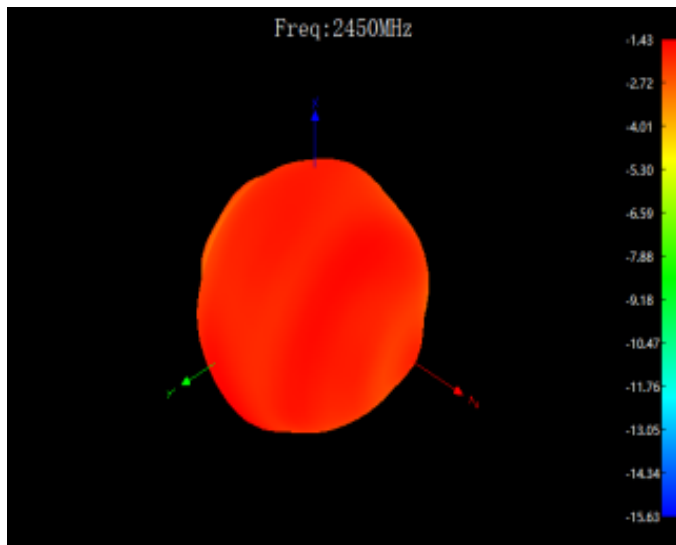
3.3 3D Directional Map



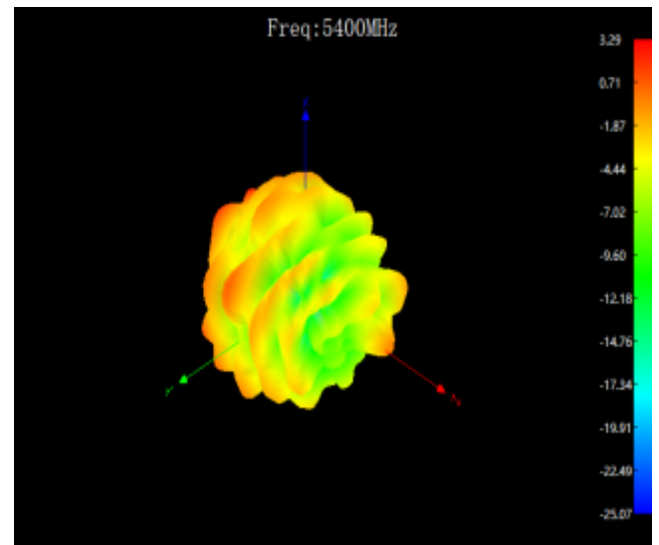
2400HMZ



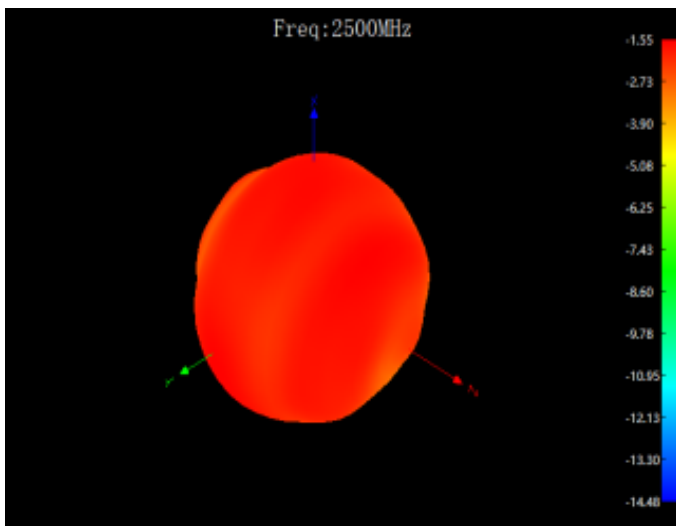
5000HMZ



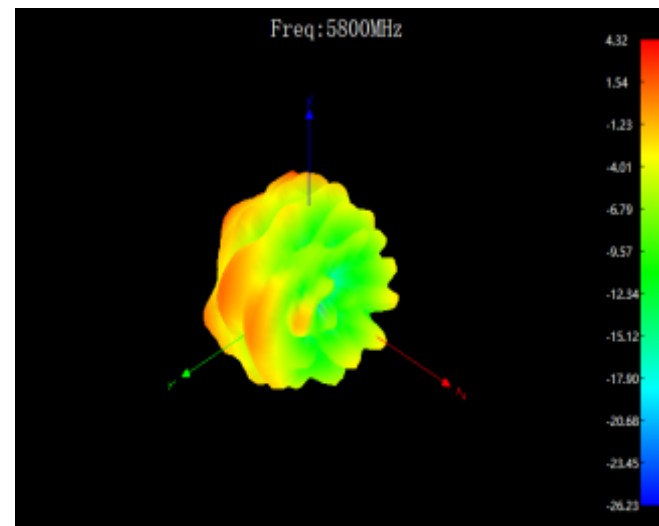
2450HMZ



5400HMZ



2500HMZ



5800HMZ

四、天线效率、增益值

Frequency/MHz	MaxGain/dBi	AvgGain/dBi	Frequency/MHz	MaxGain/dBi	AvgGain/dBi
2400	1.74	1.7	2450	2.33	-1.42
2450	1.84	-1.42	2500	2.13	-1.55
2500	-2.64	54.45	2500	4.63	-2.64
5000	-3.86	41.11	5000	2.52	-3.86
5100	-3.84	41.3	5100	2.71	-3.84
5200	-4	39.81	5200	2.71	-4
5300	-4.13	38.64	5300	2.62	-4.13
5400	-3.65	43.15	5400	3.29	-3.65
5500	-3.46	45.08	5500	3.3	-3.46
5600	-3.63	43.35	5600	4.5	-3.63
5700	0.98	-2.32	5800	0.84	-2.38
5800	0.84	-2.38	5900	0.28	-2.59

4. Antenna Efficiency and Gain Value

Frequency/MHz	MaxGain/dBi	AvgGain/dBi	Frequency/MHz	MaxGain/dBi	AvgGain/dBi
2400	1.74	1.7	2450	2.33	-1.42
2450	1.84	-1.42	2500	2.13	-1.55
2500	-2.64	54.45	2500	4.63	-2.64
5000	-3.86	41.11	5000	2.52	-3.86
5100	-3.84	41.3	5100	2.71	-3.84
5200	-4	39.81	5200	2.71	-4
5300	-4.13	38.64	5300	2.62	-4.13
5400	-3.65	43.15	5400	3.29	-3.65
5500	-3.46	45.08	5500	3.3	-3.46
5600	-3.63	43.35	5600	4.5	-3.63
5700	0.98	-2.32	5800	0.84	-2.38
5800	0.84	-2.38	5900	0.28	-2.59

Specification / 规范

product structure diagram	 Bend length: 85mm Bend length: 23  The joint is 40mm long. Overall length: 108mm
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