

深圳亦是科技有限公司

Shenzhen Yishi Technology Co., Ltd

规格承认书

SPECIFICATION FOR APPROVAL

日期 2025/06/30

Date

编号 25063001

File No

版本 1.0

Revision

客户 Shenzhen Radiomaster Co.,Ltd

CUSTOMER:

客户料号 XD-FL-00821

品名 Monopole Antenna

PART NAME:

供方料号 D-RM-T04

SUPPLIER NO:

送样日期Date: 2025-4-27

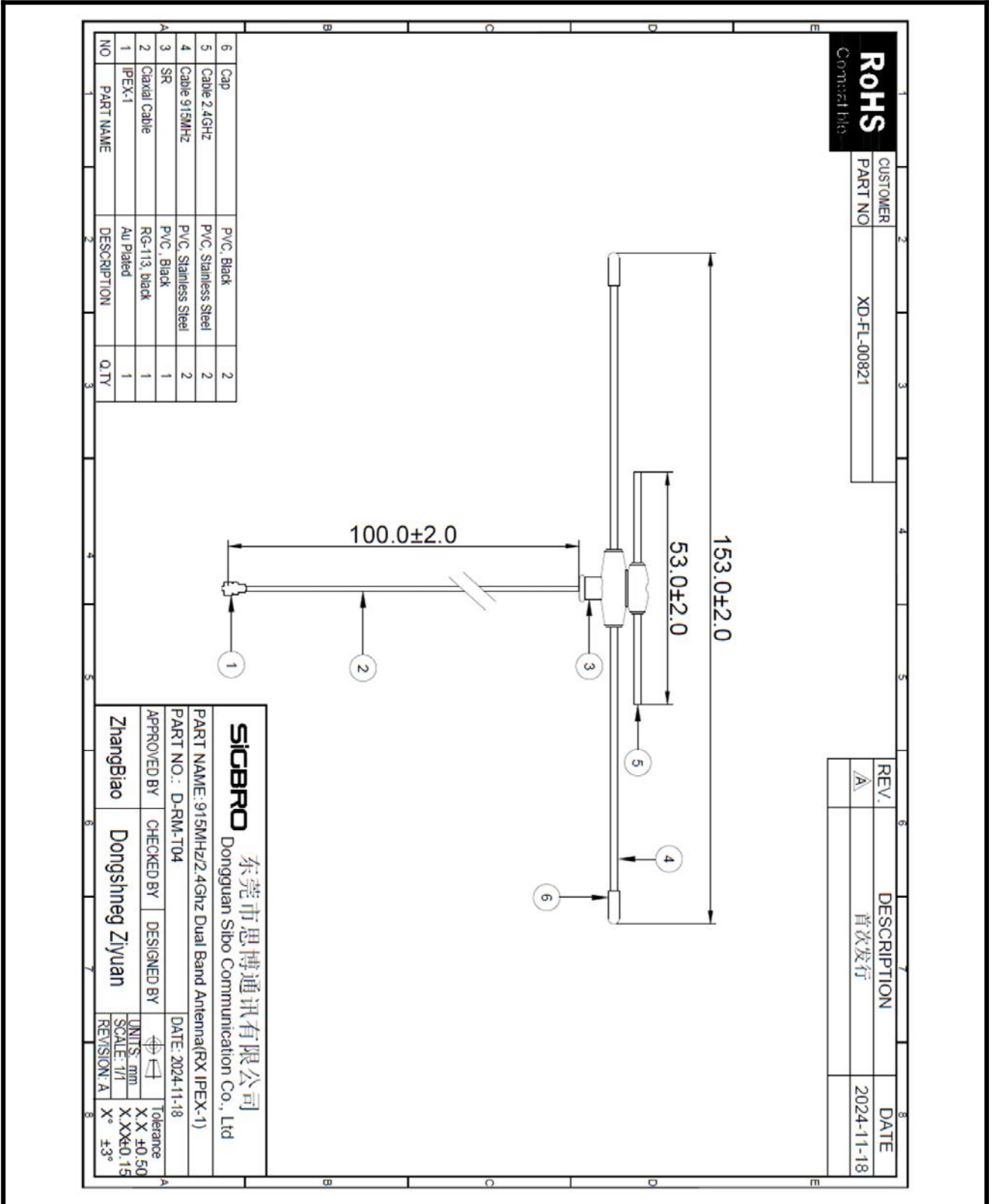
送样数量Q “TY:6PCS

客户确认CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR
供方确认 SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
Hunter	Luo	Liu

承认书项目表

NO.	内容 (Contents)	页数 (Number of Page)	页码 (Page Code)
1	承认书封面 (Spec Cover)	1	1
2	承认书项目表 (Spec Item)	1	2
3	工程成品图 (Drawing)	1	3
4	天线规格 (Antenna Specification)	1	4
5	S参数测试 (S Parameter)	1	5
6	无源测试 (Passive Test)	2	6 ~ 7
7	天线辐射场型 (Antenna Radiation Pattern)	4	8 ~ 11
8	天线图片 (Antenna Profile)	1	12
9	RoHS报告 (RoHS Test Report)	**	**
10	N/A	N/A	N/A
11	-	-	-
12	-	-	-

工程成品图 Drawing



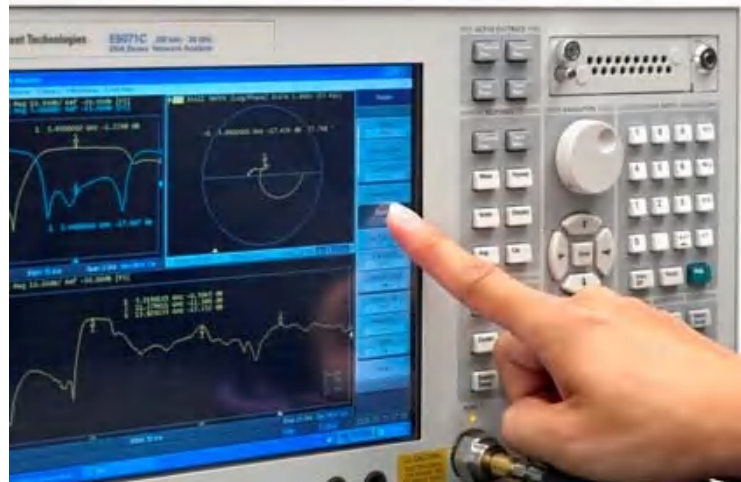
天线规格

Antenna Specification

Electrical Properties	
Frequency	865-930MHz/2400-2500MHz
Impedance	50 Ohm Nominal
V.S.W.R	≤1.6(Max)
Return Loss	≤-10(Max)
Radiation	Omni-directional
Gain (Peak)	≤3.62dBi(Max)
Polarization	Linear
Connector	IPEX-1代
Physical Properties	
Antenna Material	PVC
Cable Type	O.D 1.13/L=100mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	black

Antenna Performance Test

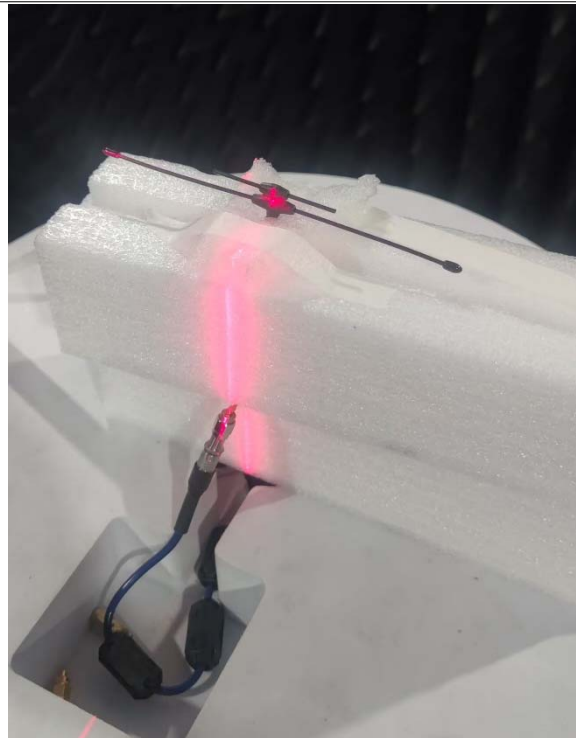
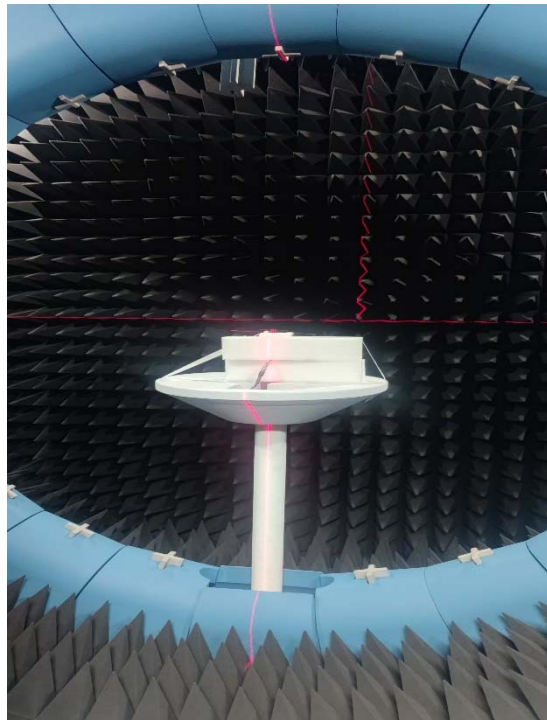
**Agilent
E5071C**



**S
Parameter
Test //
WIFI**



Antenna Passive Test



Passive Test For Antenna(865MHz)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
865	72.78	-1.38	1.09
875	73.62	-1.33	1.05
885	78.34	-1.06	1.07
895	81.28	-0.9	1.12
905	81.66	-0.88	1.35
930	81.28	-0.9	1.22

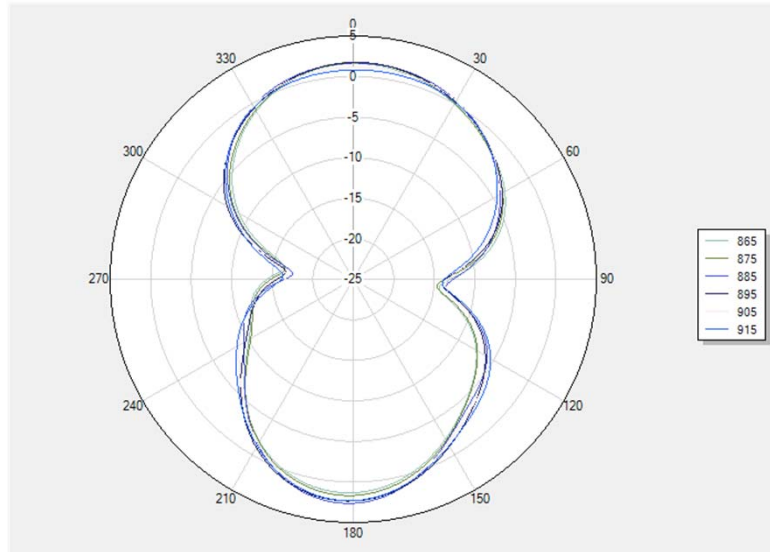
Passive Test For Antenna(2.4GHz)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	83.56	-0.78	1.04
2425	83.18	-0.8	1.35
2450	80.91	-0.92	1.22
2475	79.62	-0.99	1.12
2500	79.43	-1	1.18

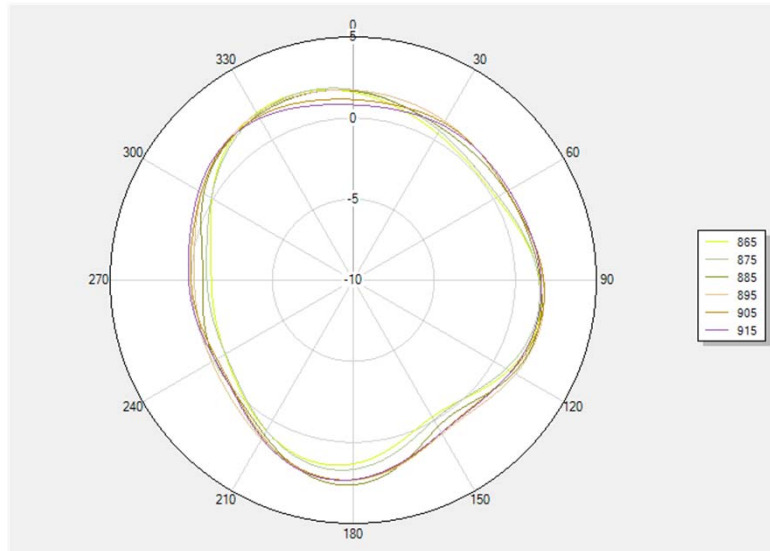
Antenna Radiation Pattern

868MHz

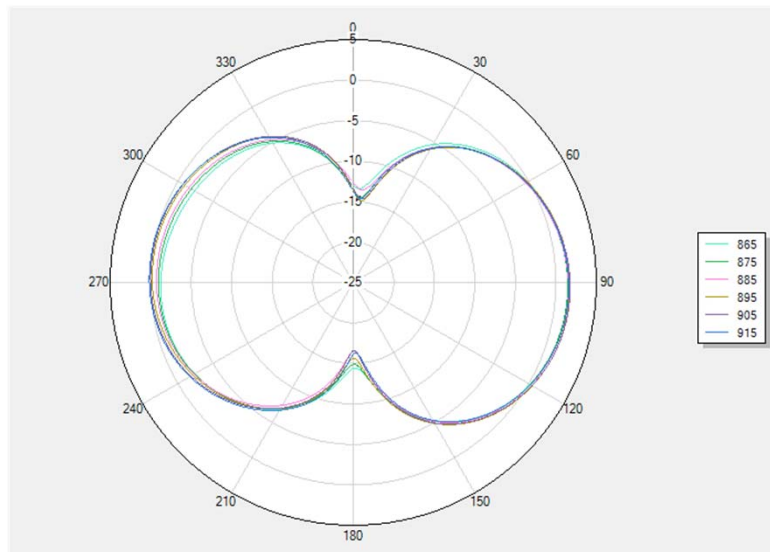
Phi 0 2D



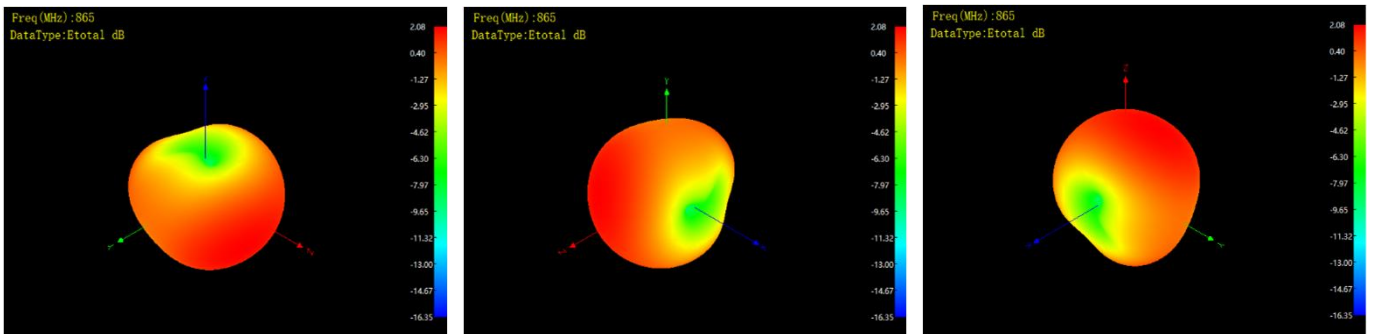
Phi 90 2D



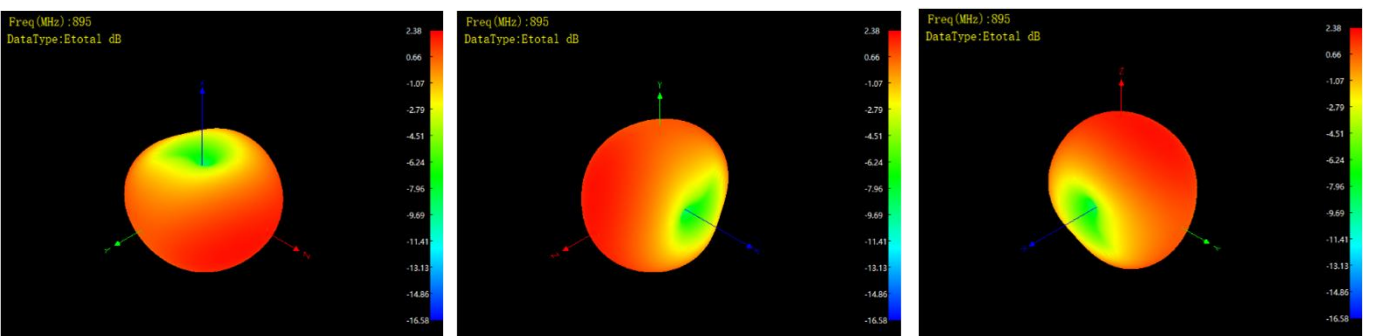
Theta 90 2D



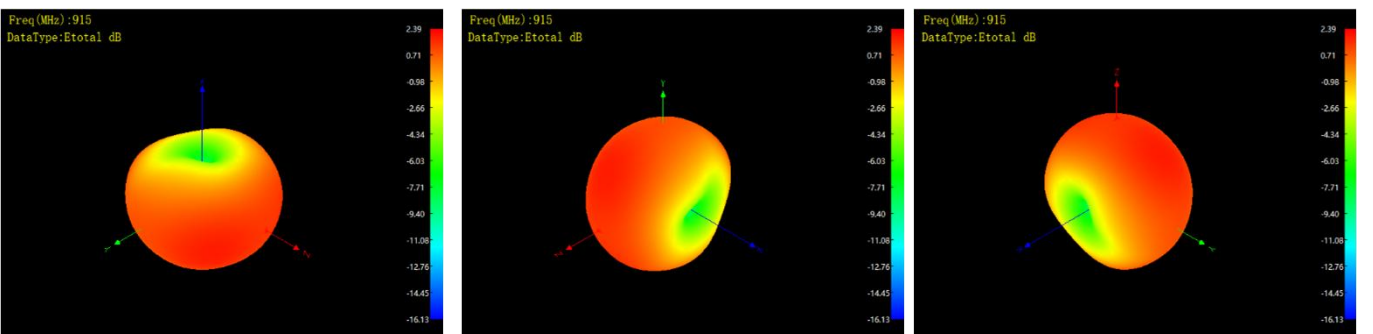
3D: 865MHz



3D: 895MHz



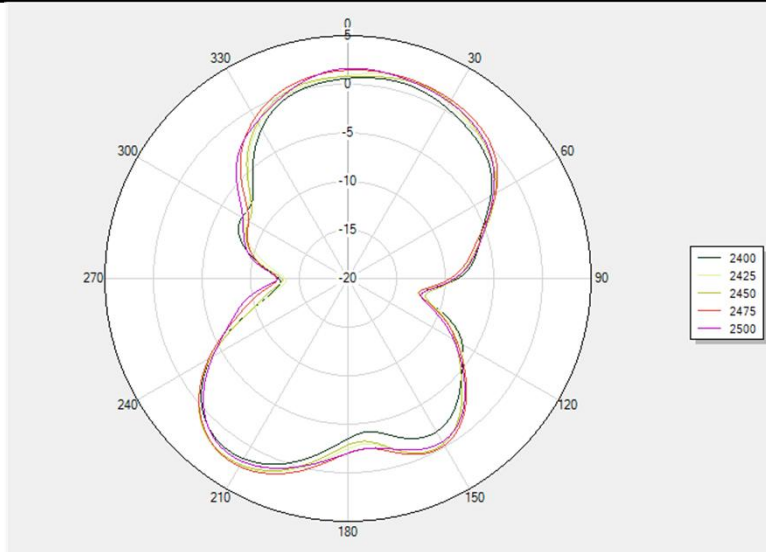
3D: 930MHz



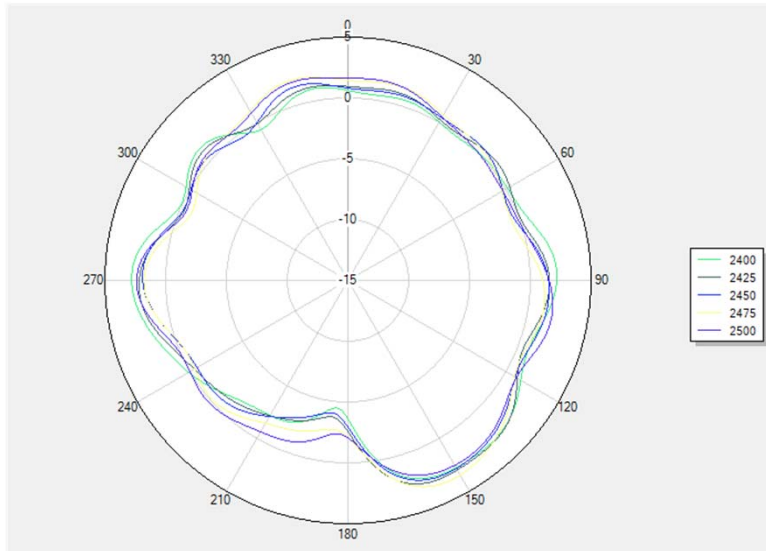
Antenna Radiation Pattern

2.4GHz

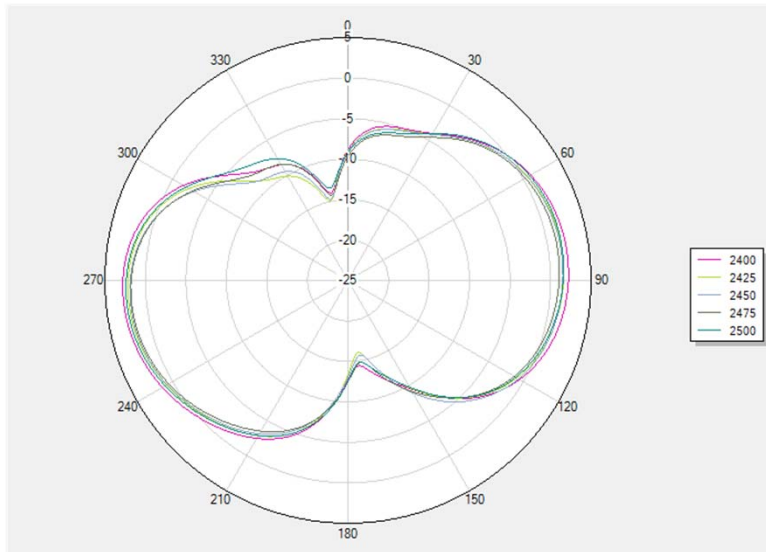
Phi 0 2D



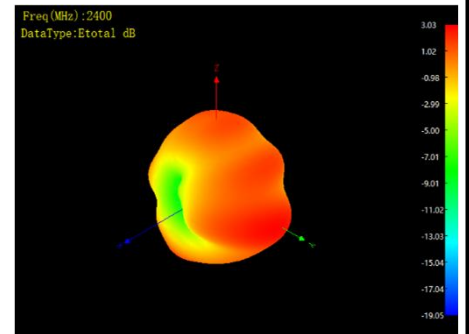
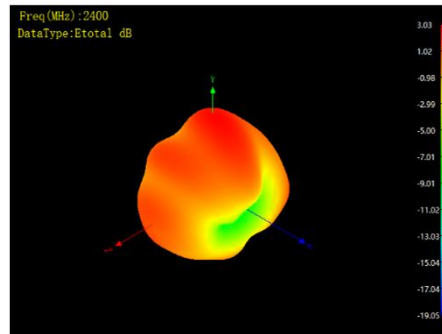
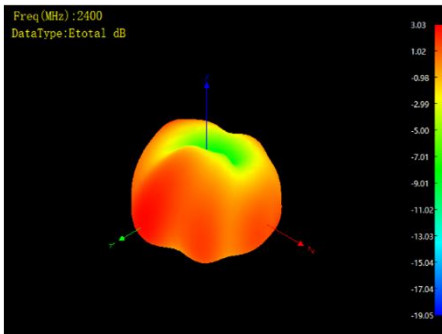
Phi 90 2D



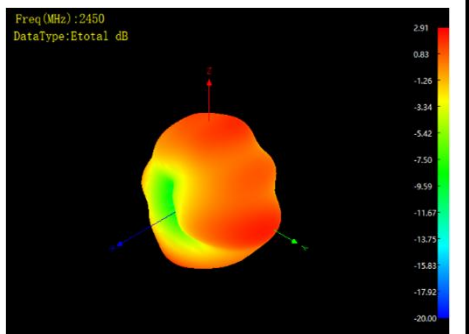
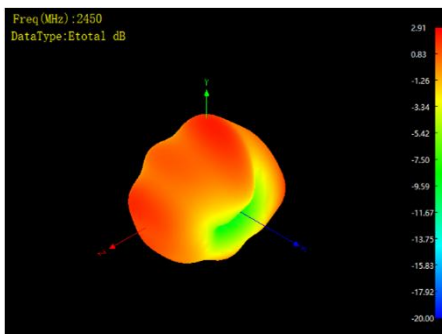
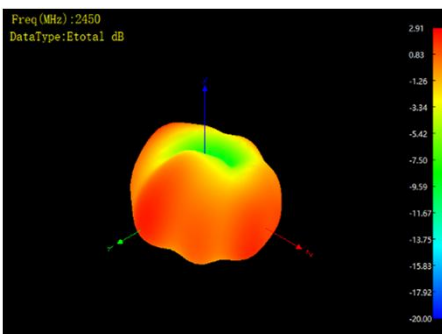
Theta 90 2D



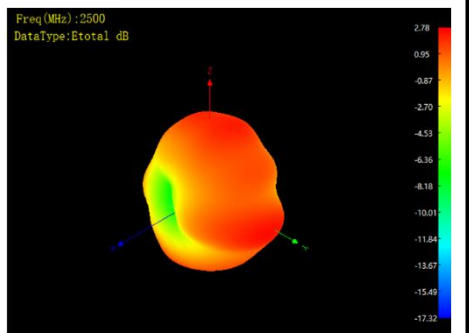
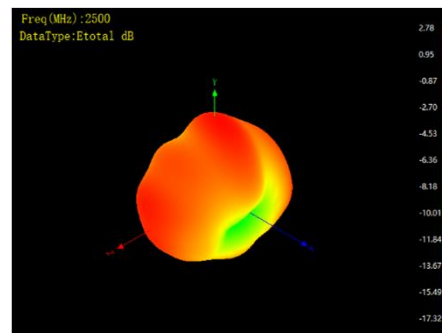
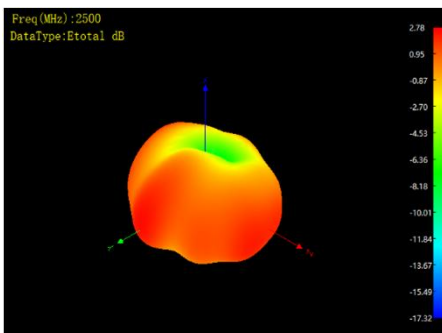
3D: 2400MHz



3D: 2450MHz



3D: 2500MHz



Antenna Photo

