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 Date	2025/06/30
编 号 File No	25063001
版 本 Revision	1.0

客 户 CUSTOMER: Shenzhen Radiomaster Co.,Ltd

客户料号 XD-FL-00821

品 名 PART NAME: Monopole Antenna

供方料号 SUPPLIER NO: D-RM-T04

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

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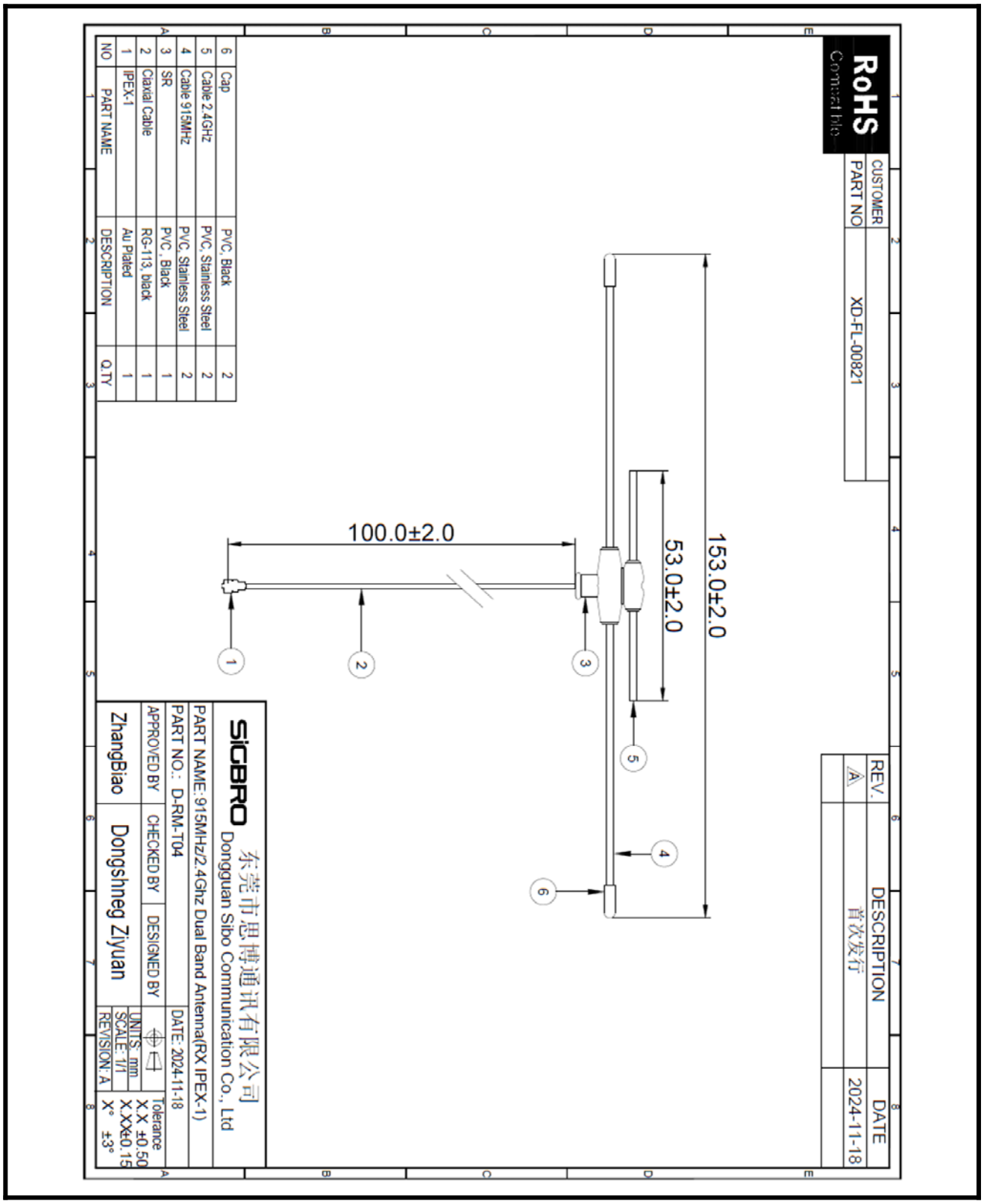
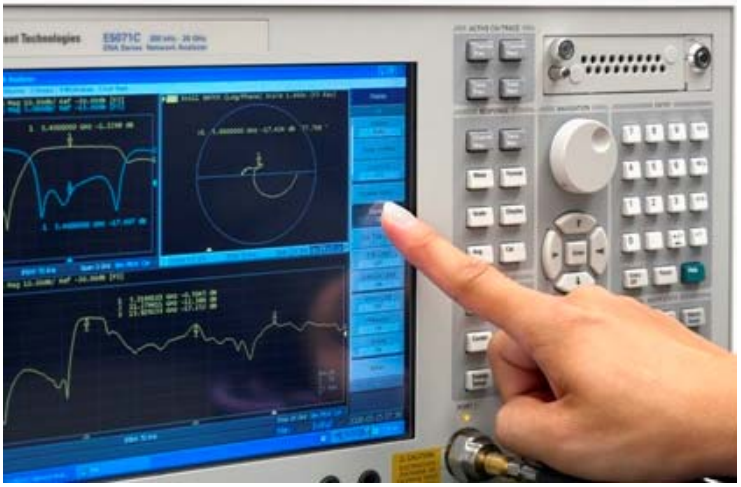
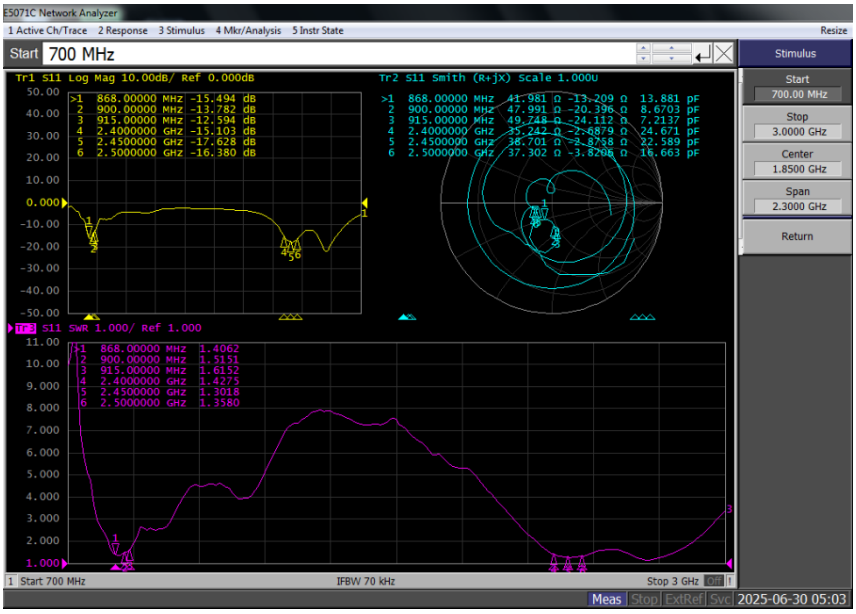
工程成品图
Drawing



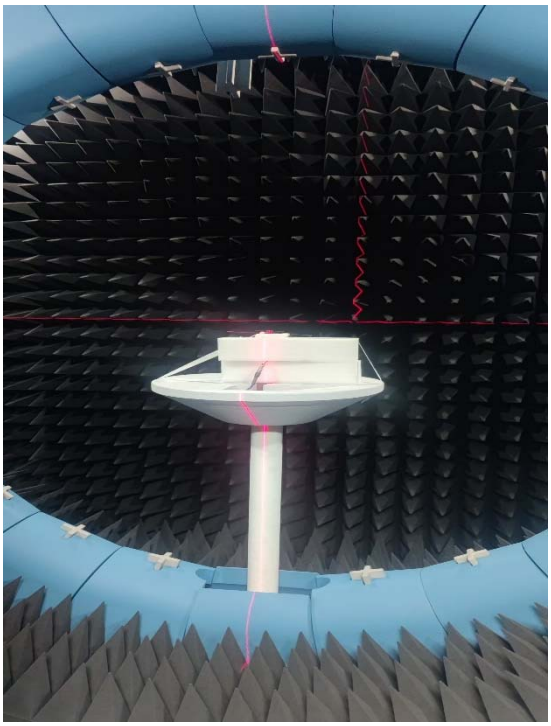
天 线 规 格
Antenna Specification

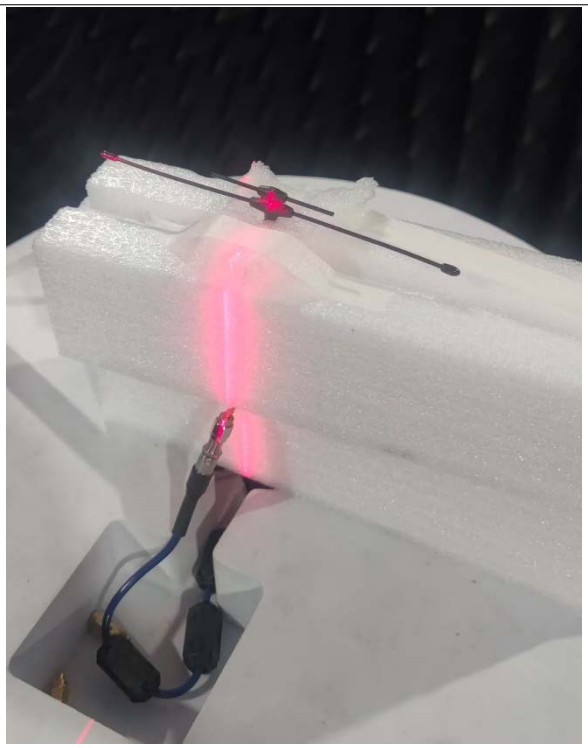
Electrical Properties	
Frequency	865-930MHz/2400-2500MHz
Impedance	50 Ohm Nominal
V.S.W.R	≤1.6(Max)
Return Loss	≤-10(Max)
Radiation	Omni-directional
Gain (Peak)	≤3.62dBi(Max)
Polarization	Linear
Connector	IPEX-1代
Physical Properties	
Antenna Material	PVC
Cable Type	O.D 1.13/L=100mm
Operating Temp.	-10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

Antenna Performance Test

Agilent E5071C	
S Parameter Test // WIFI	

Antenna Passive Test



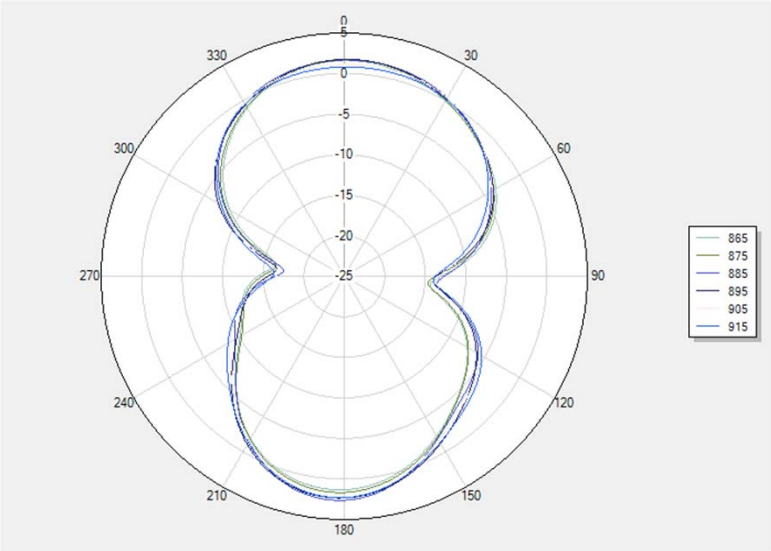


Passive Test For Antenna(865MHz)			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
865	72.78	-1.38	1.09
875	73.62	-1.33	1.05
885	78.34	-1.06	1.07
895	81.28	-0.9	1.12
905	81.66	-0.88	1.35
930	81.28	-0.9	1.22

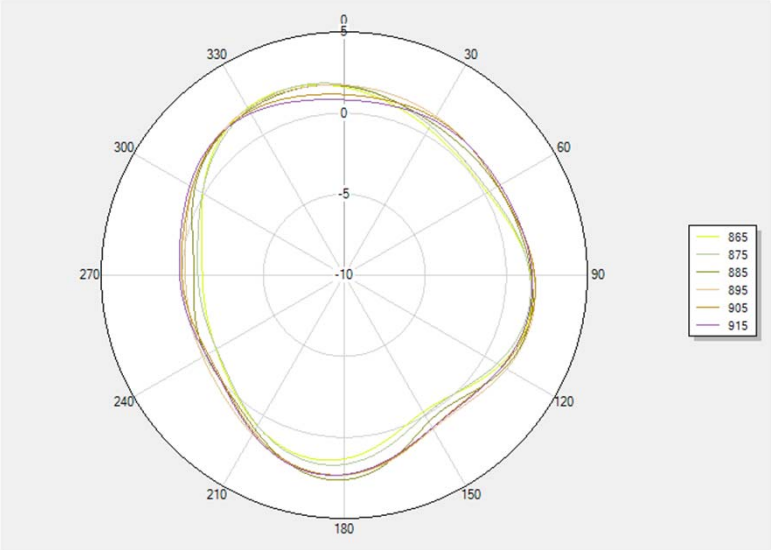
Passive Test For Antenna(2.4GHz)			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	83.56	-0.78	1.04
2425	83.18	-0.8	1.35
2450	80.91	-0.92	1.22
2475	79.62	-0.99	1.12
2500	79.43	-1	1.18

Antenna Radiation Pattern 868MHz

Phi 0 2D



Phi 90 2D



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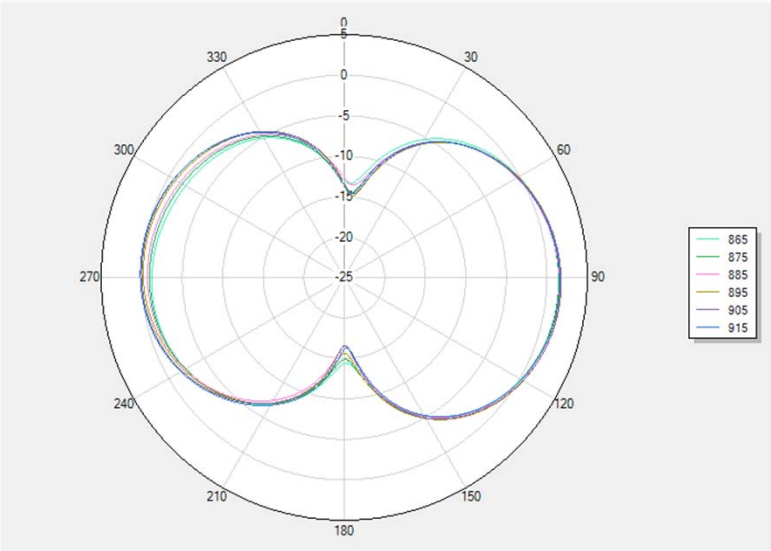
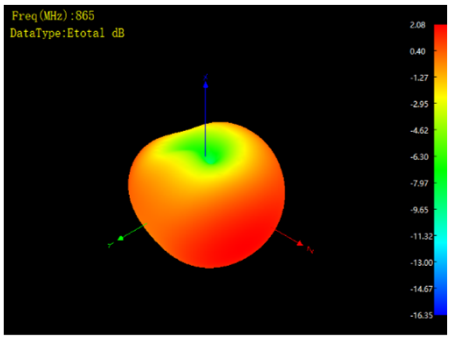
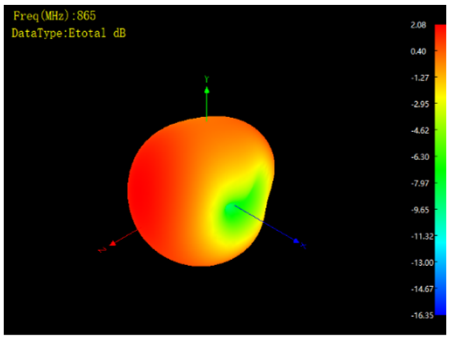
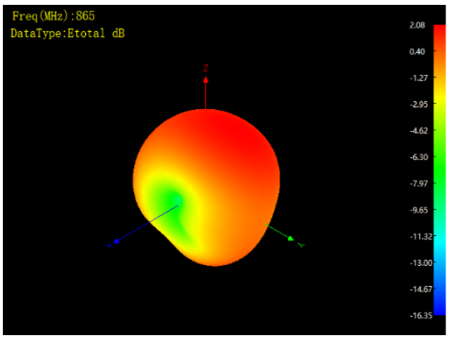


868MHz

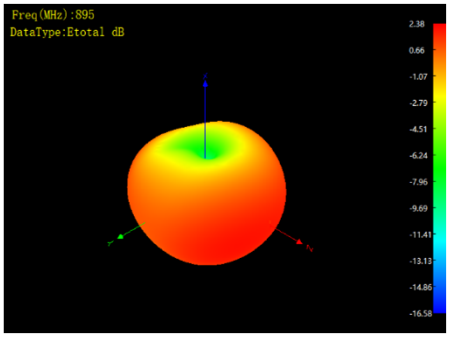
3D：865MHz

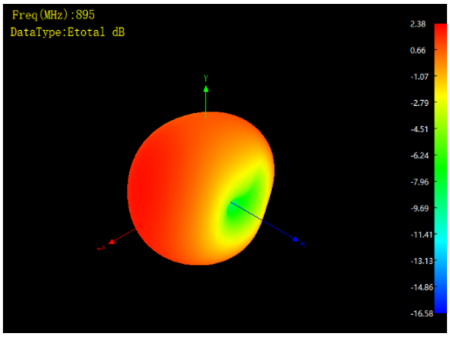


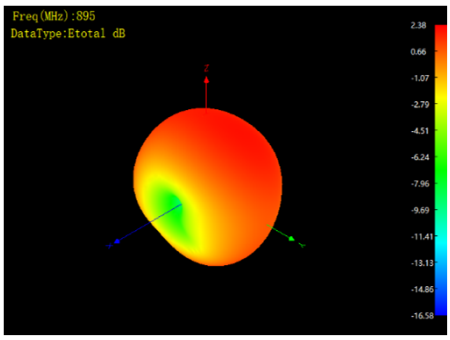




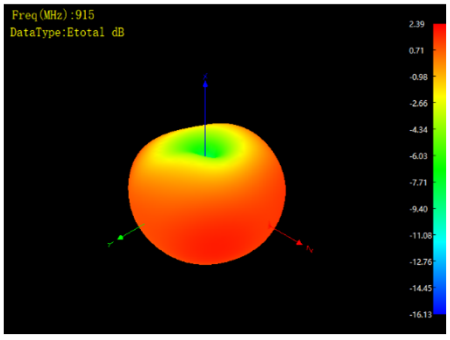
3D：895MHz

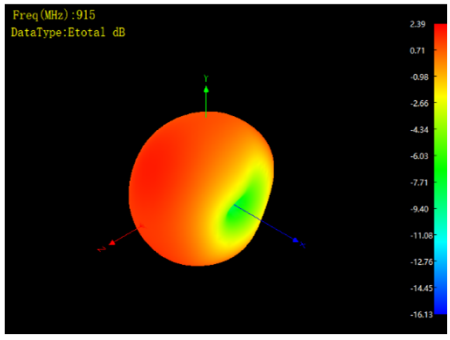


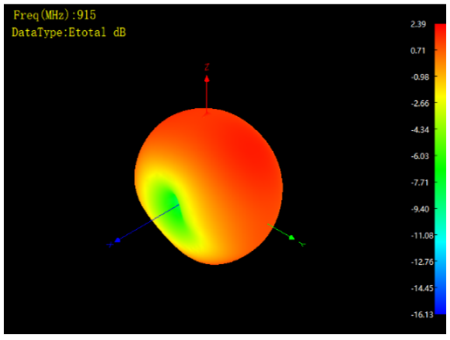




3D：930MHz

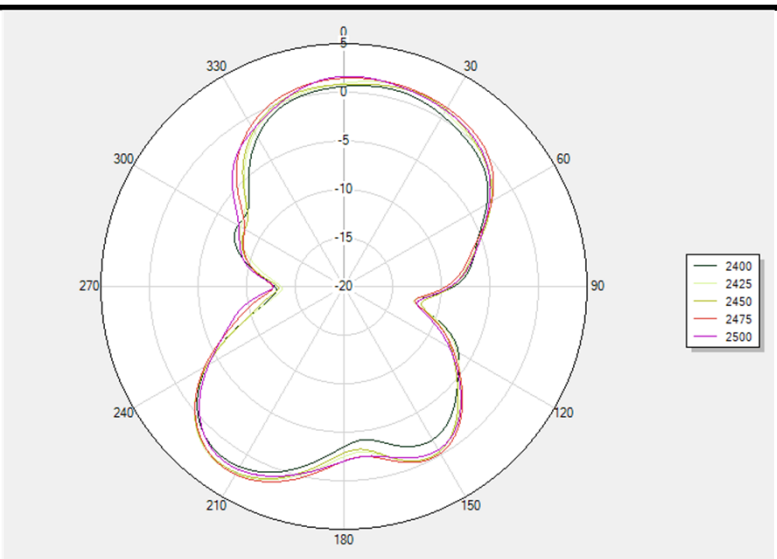




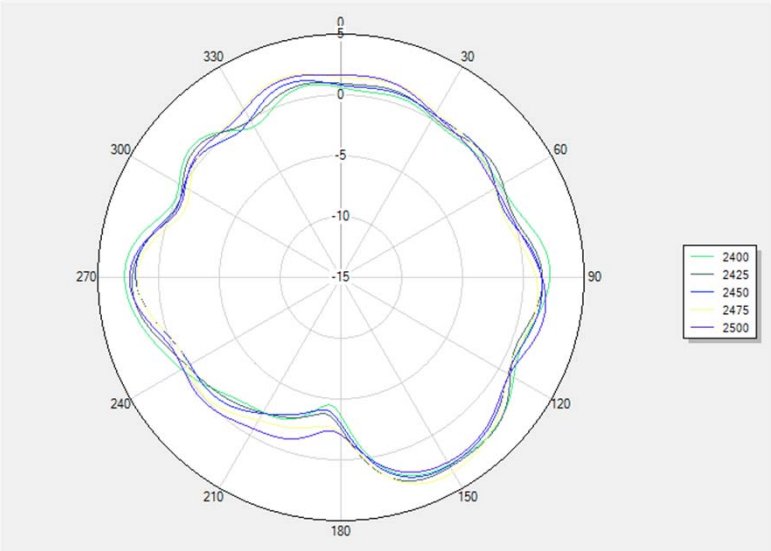


Antenna Radiation Pattern 2.4GHz

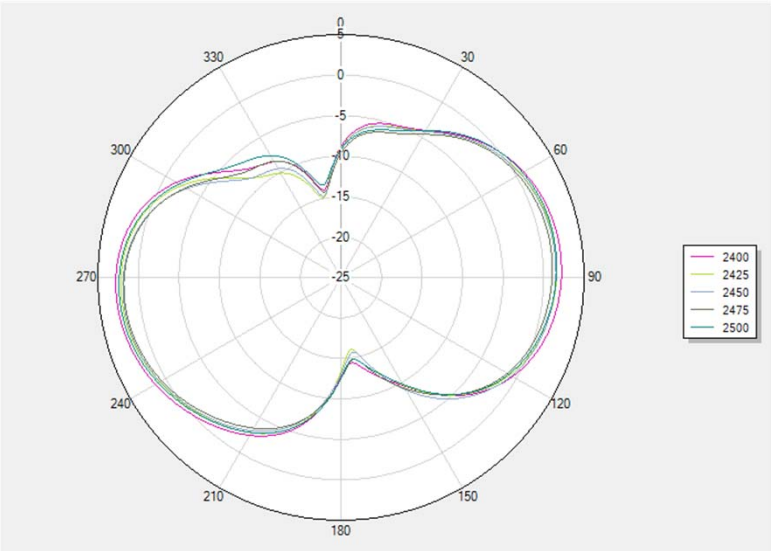
Phi 0 2D



Phi 90 2D

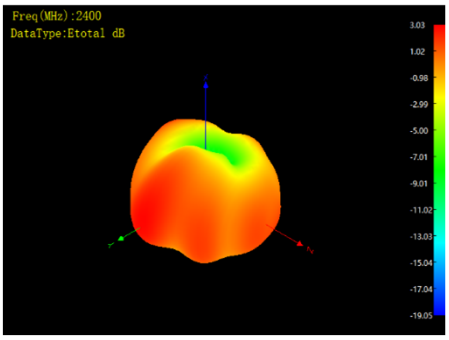


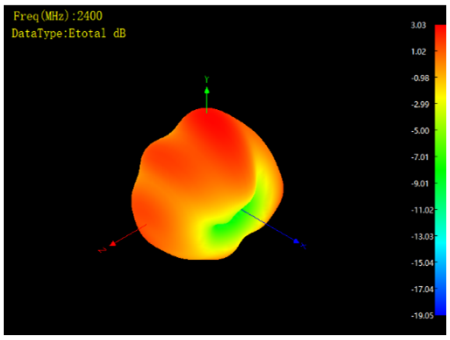
Theta 90 2D

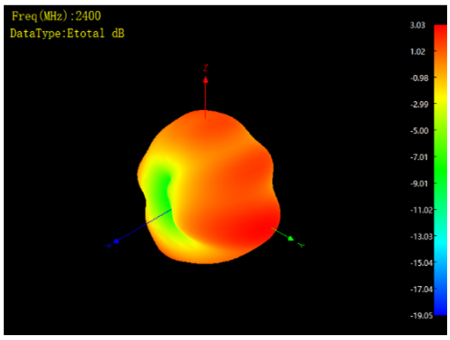


2.4GHz

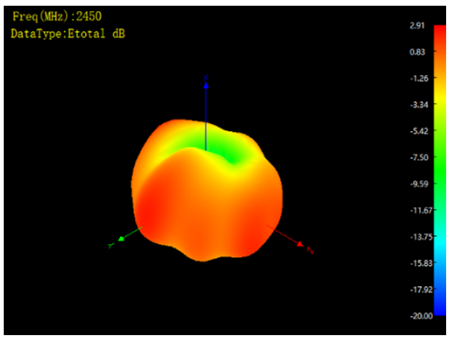
3D：2400MHz

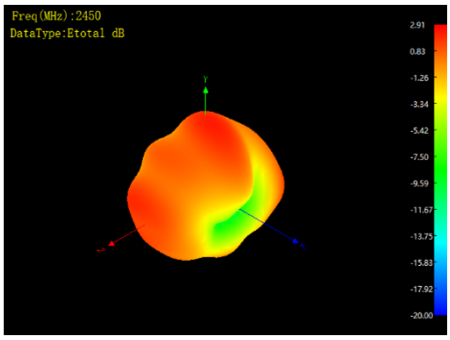


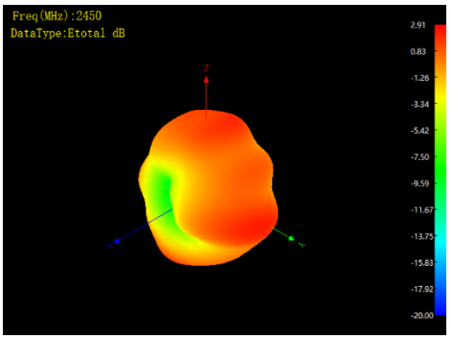




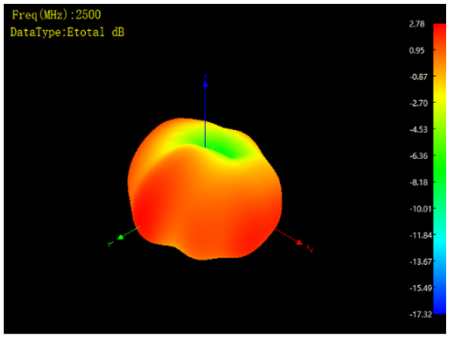
3D：2450MHz

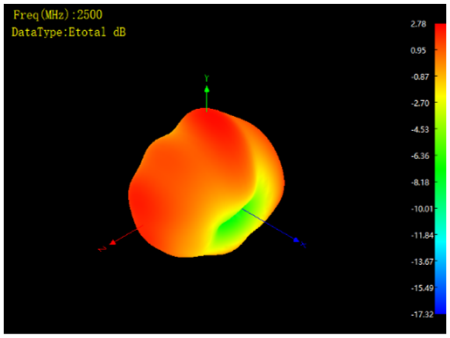


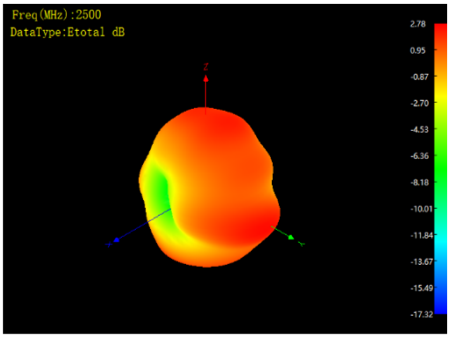




3D：2500MHz







Antenna Photo