东莞市一佳电子通讯科技有限公司
DONGGUAN YIJIA ELECTRONICS COMMUNICATION TECHNOLOGY CO., LTD

规 格 承 认 书

SPECIFICATION FOR APPROVAL

日 期 Date	2025/11/28
编 号 File No	25112801
版 本 Revision	1.0

客 户 CUSTOMER: 宇视

客户料号 CUSTOMER NO: 8601闸机增加权限控制板

品 名 PART NAME: WiFi&BT Antenna

供方料号 SUPPLIER NO: YJH01.059.041.302A

送样日期Date: 送样数量Q'TY:

客户确认CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

供方确认 SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
ChenGuoqiang	ZhangLiqun	ChenXingyi

YJ-RD-F04-A

承认书项目表

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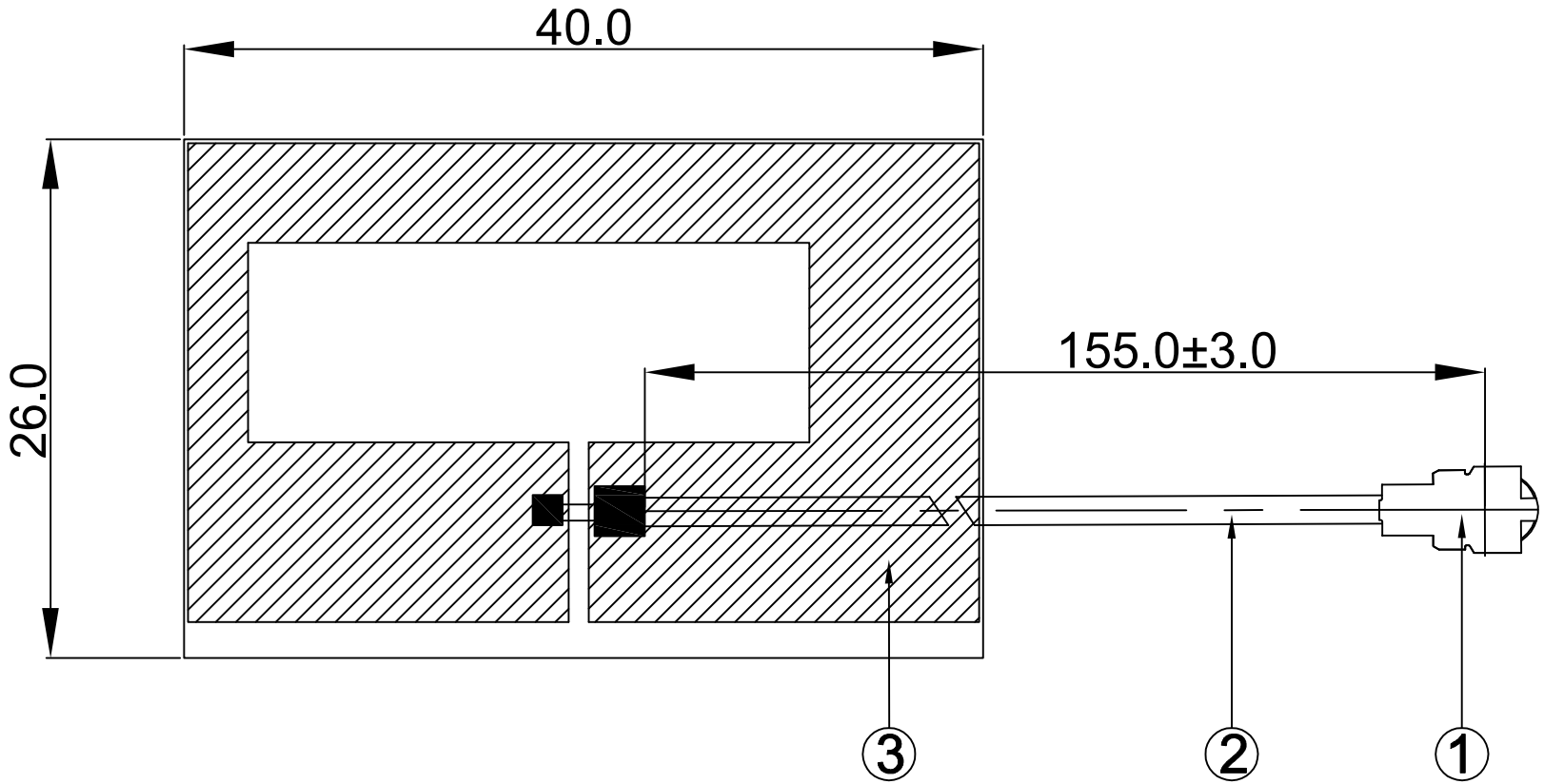
RoHS Compatible

CUSTOMER	
PART NO	

REV.	DESCRIPTION	DATE
A	首次发行	2025-10-28



NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY
3	FPCB	40.0*26.0MM	FPCB	H01.059.041.FPC0201A	1
2	Coaxial Cable	O.D.1.13 Black	O.D.1.13	COA10001A.P01	1
1	Mini Connector	Au Plated 1代	Cu	TER10001A.P01	1

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PART NAME: WiFi&BT Antenna

PART NO.:YJH01.059.041.302A

DATE: 2025-10-28

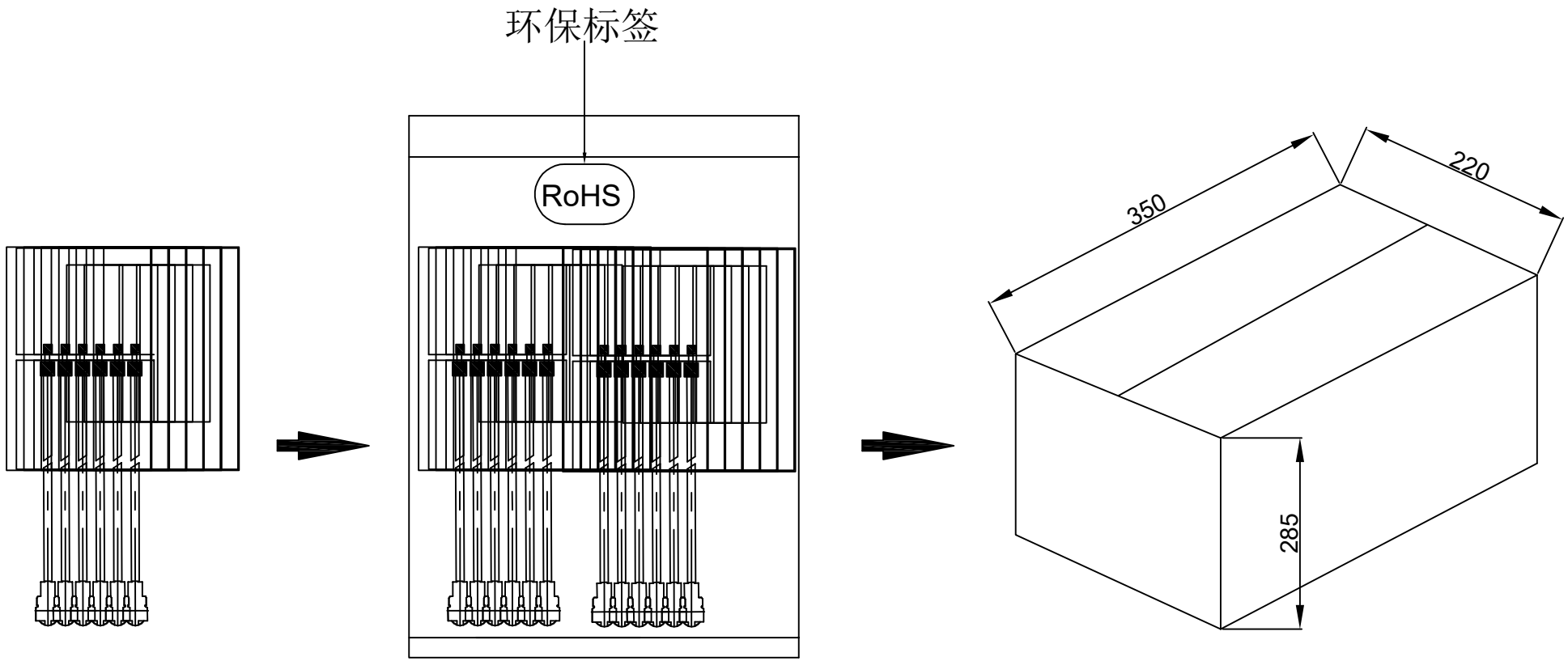
APPROVED BY	CHECKED BY	DESIGNED BY	
陈国强	申辉	贺玉斌	UNITS: mm SCALE: 1/1 REVISION: A

Tolerance
X.X ±0.50
X.XX±0.15
X° ±3°

RoHS Compatible

包装说明

REV.	DESCRIPTION	DATE
A	首次发行	2025-10-28



1. 25PCS/扎

2. 100PCS/袋

3. 5000PCS/每箱

备注:

天线交货袋装及箱装尺寸根据实际出货数量进行调整。

单天线成品重量：1.0g

5000PCS天线成品箱装估重：5.7kg

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PART NO.:YJH01.059.041.302A			DATE: 2025-10-28
APPROVED BY	CHECKED BY	DESIGNED BY	UNITS: mm
陈国强	申辉	贺玉斌	SCALE: 1/1
			REVISION: A

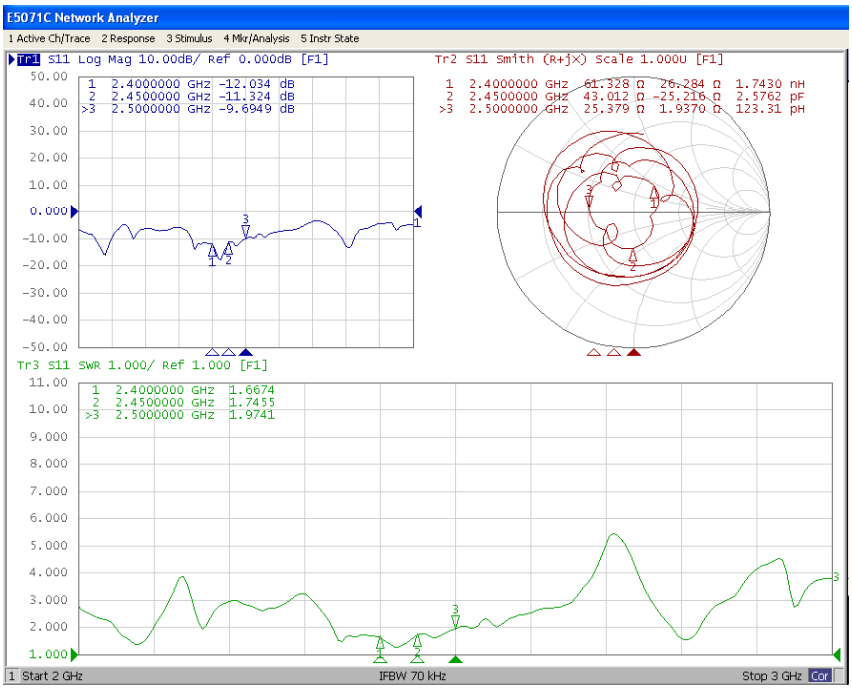
Tolerance
X.X ±0.50
X.XX±0.15
X° ±3°

天线规格
Antenna Specification

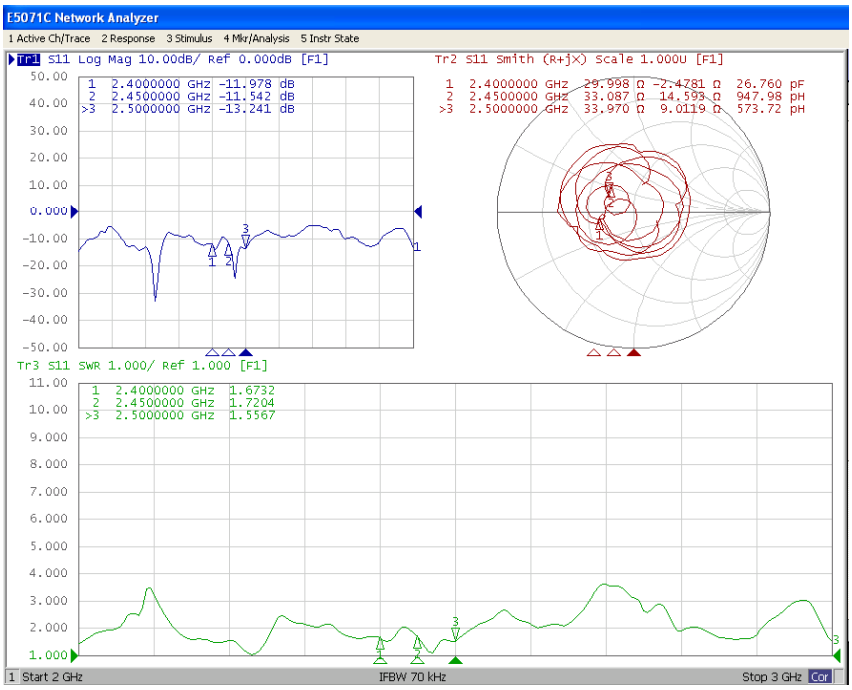
Electrical Properties	
Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	WiFi&BT -1: 3.8 dBi WiFi&BT -2: 3.7 dBi
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	1代IPEX
Cable Type	O.D.1.13mm
Cable Length	155mm
Cable Color	Black
Operating Temp	-20~+70℃
Storage Temp	-20~+70℃

Antenna Performance Test

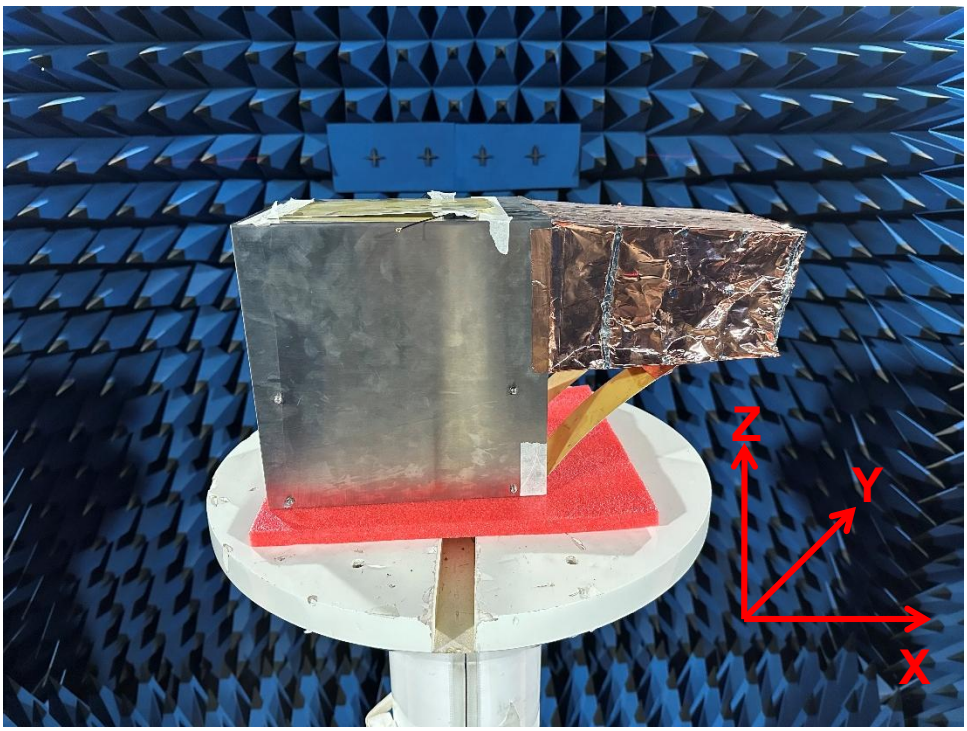
Agilent E5071C S Parameter Test // WiFi&BT Antenna-1

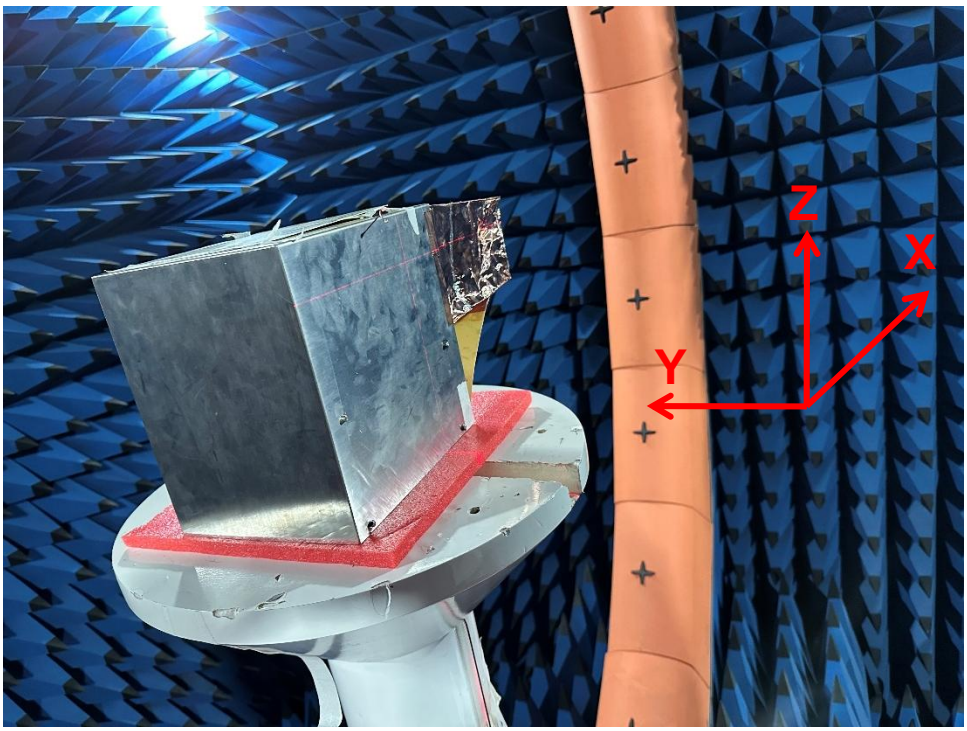


Agilent E5071C S Parameter Test // WiFi&BT Antenna-2



Antenna Passive Test

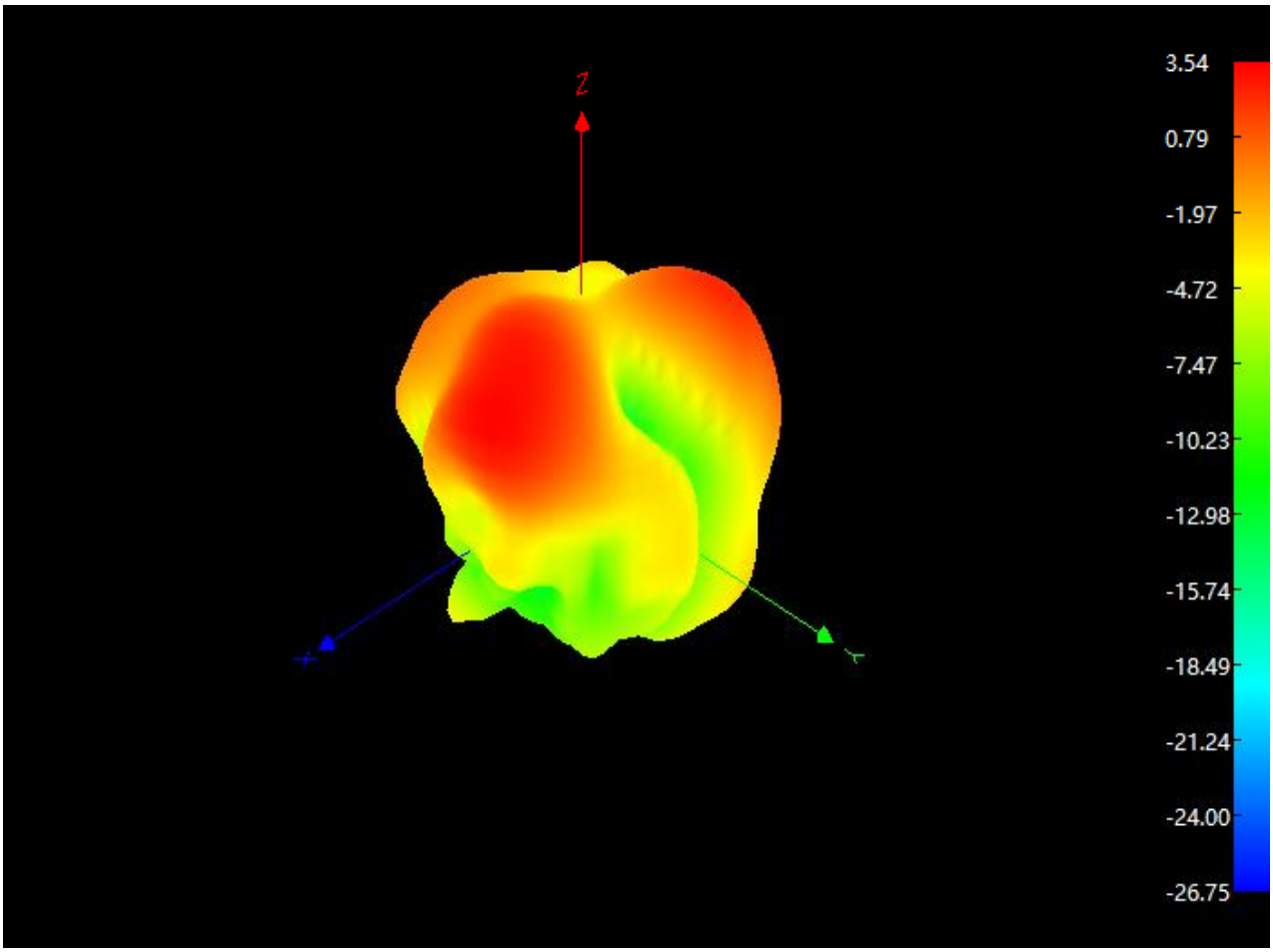




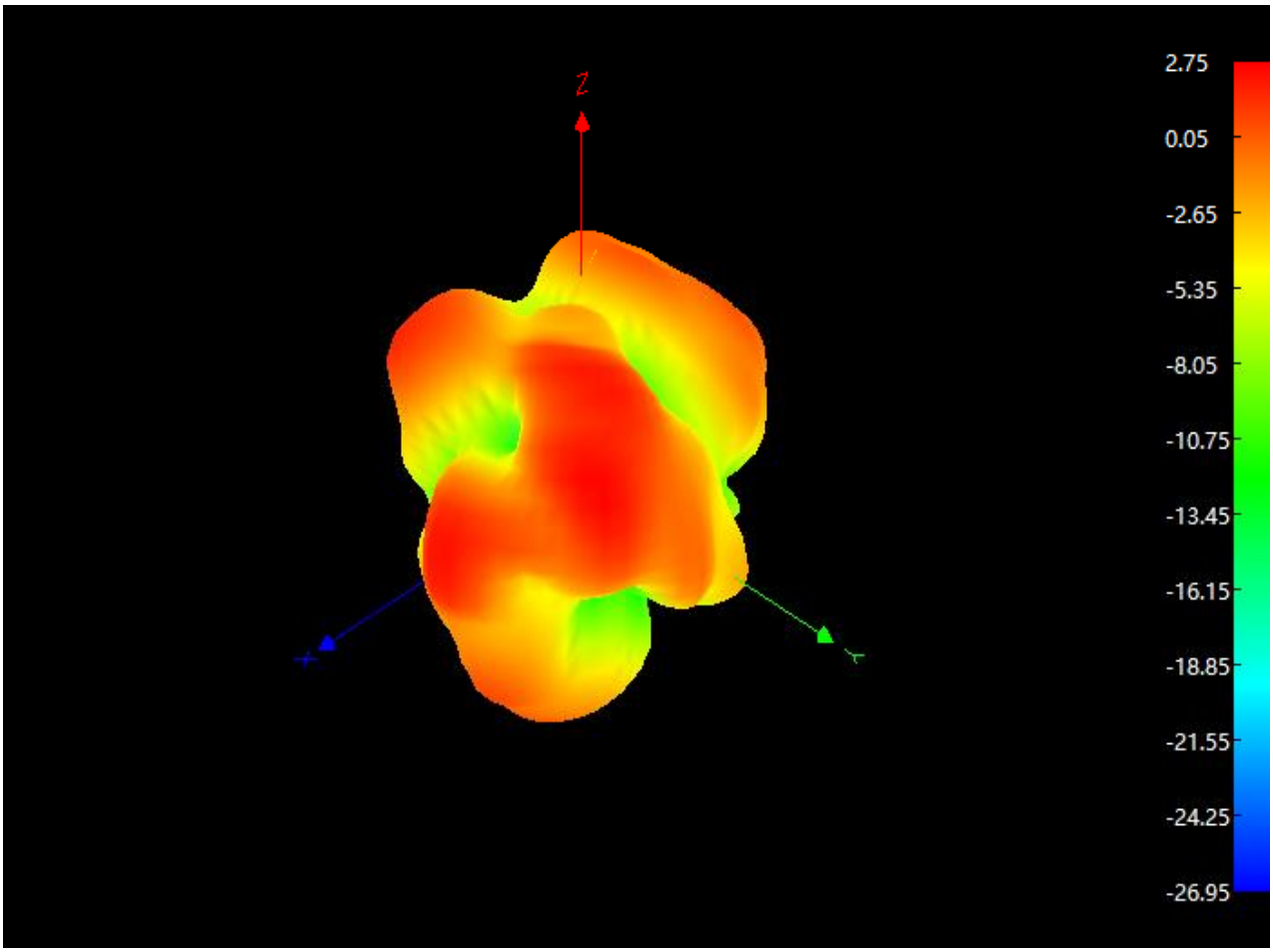
Passive Test For WiFi&BT Antenna-1			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	25.5	-5.9	3.5
2410	26.3	-5.8	3.1
2420	27.3	-5.6	3.2
2430	28.7	-5.4	3.8
2440	28.9	-5.4	3.7
2450	28.4	-5.5	3.5
2460	27.8	-5.6	3.5
2470	26.6	-5.7	3.5
2480	26.8	-5.7	3.5
2490	25.8	-5.9	3.7
2500	24.2	-6.2	3.6

Passive Test For WiFi&BT Antenna-2			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	27.2	-5.7	3.2
2410	28.9	-5.4	3.1
2420	28.4	-5.5	3.4
2430	27.6	-5.6	3.2
2440	26.8	-5.7	3.3
2450	24.9	-6.0	2.8
2460	24.2	-6.2	3.1
2470	24.5	-6.1	3.5
2480	27.6	-5.6	3.6
2490	30.2	-5.2	3.7
2500	29.8	-5.3	3.5

Radiation Pattern For WiFi&BT Antenna-1（2450MHz）

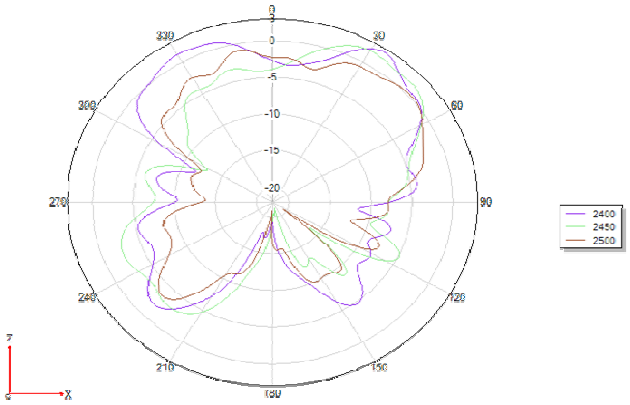


Radiation Pattern For WiFi&BT Antenna-2（2450MHz）

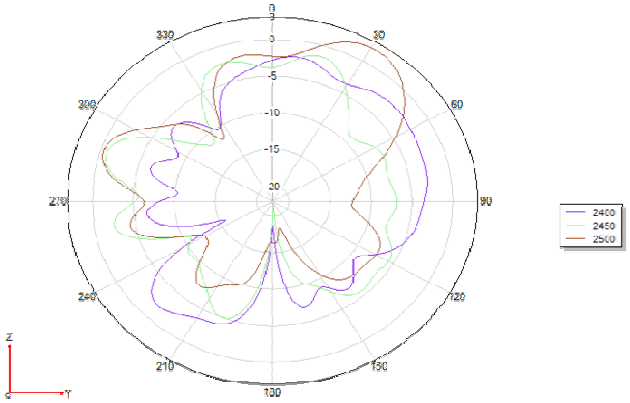


Radiation Pattern For WiFi&BT Antenna-1

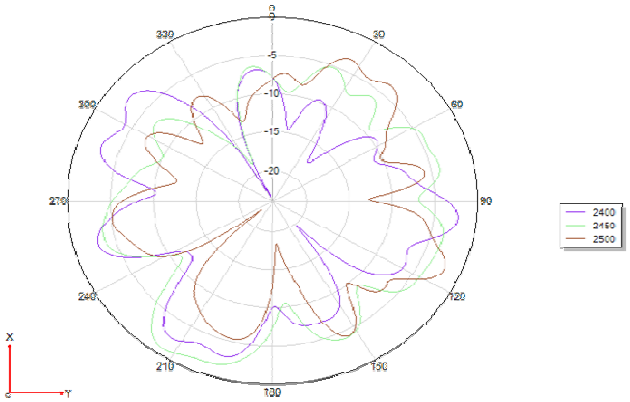
Phi 0°



Phi 90°

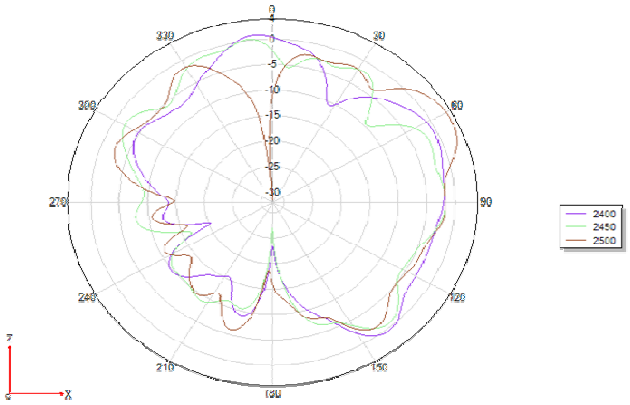


Theta 90°

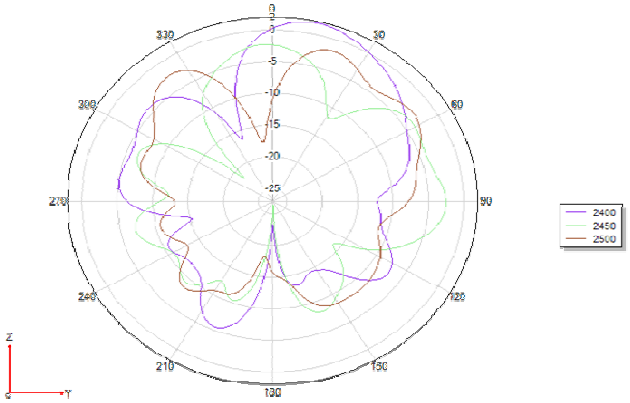


Radiation Pattern For WiFi&BT Antenna-2

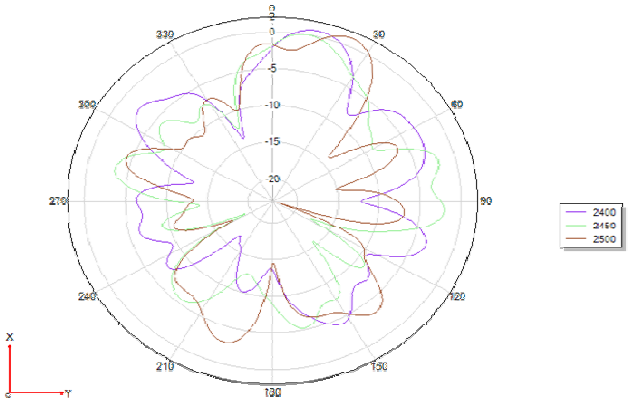
Phi 0°

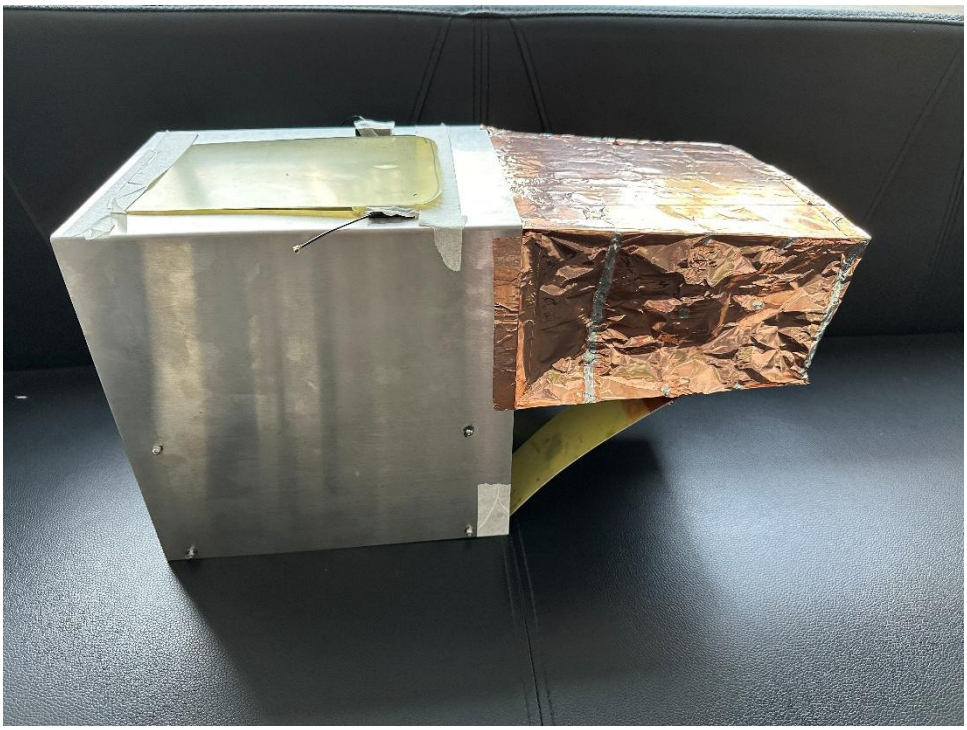


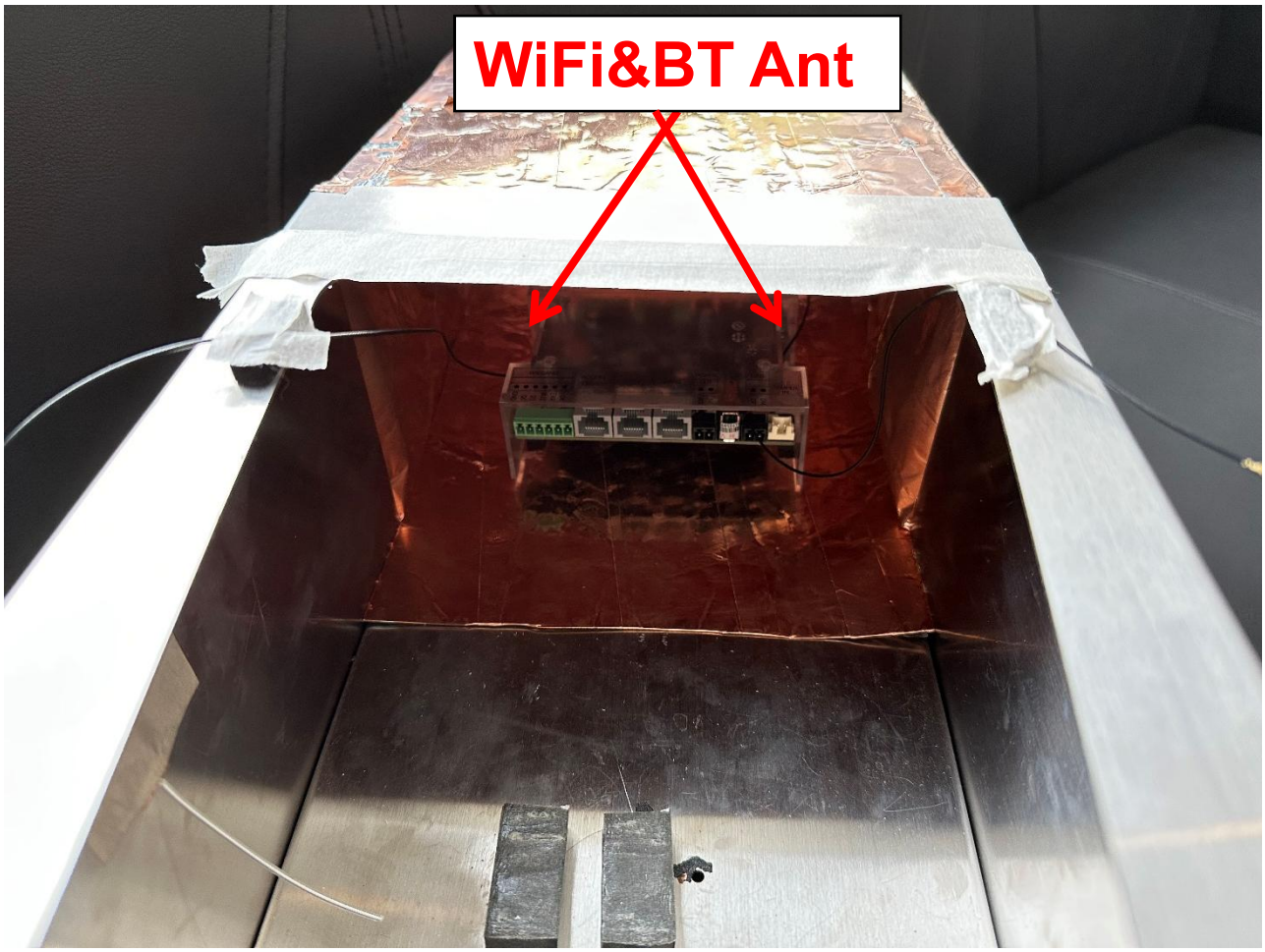
Phi 90°



Theta 90°



Device	


WiFi&BT Ant