



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

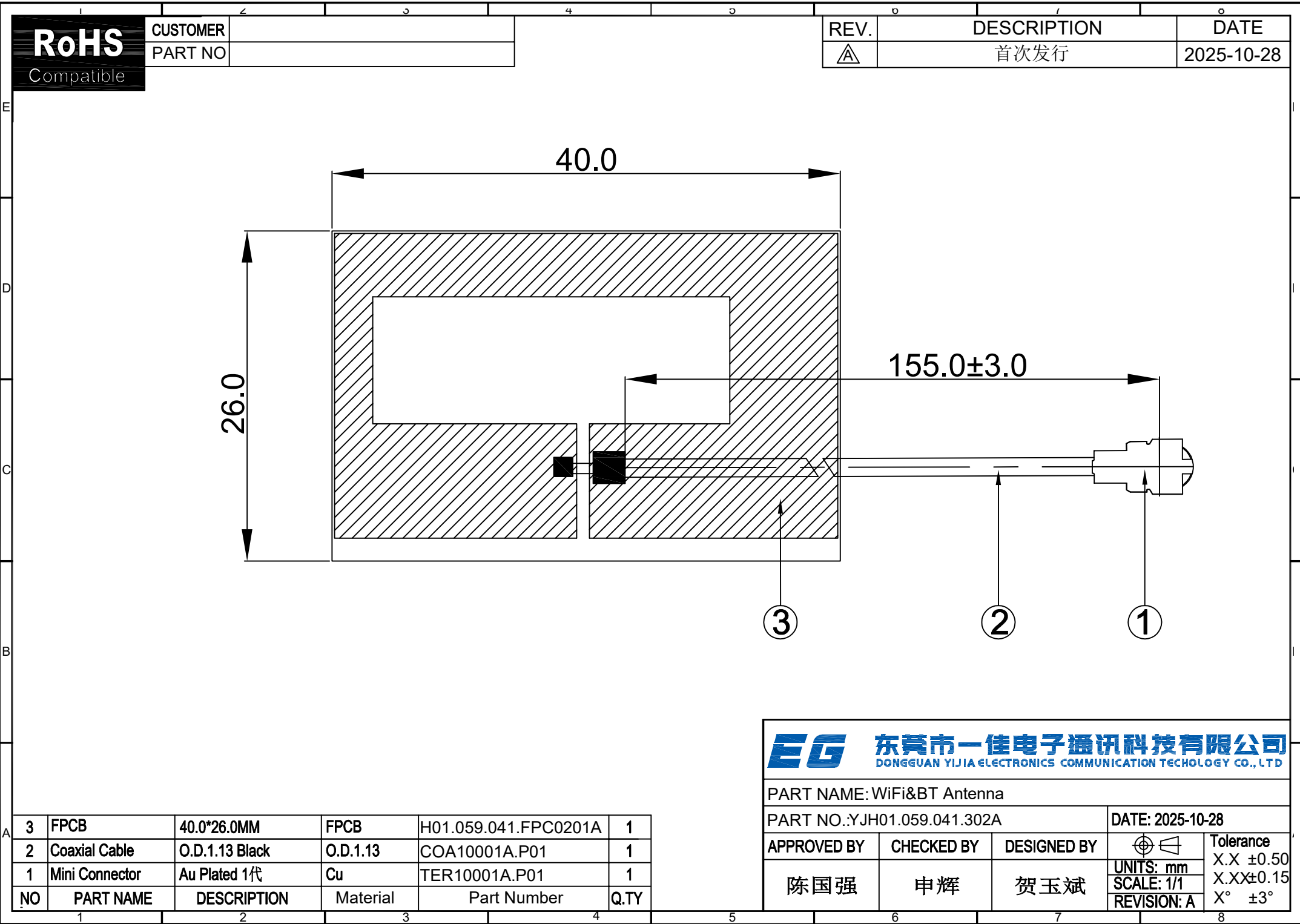




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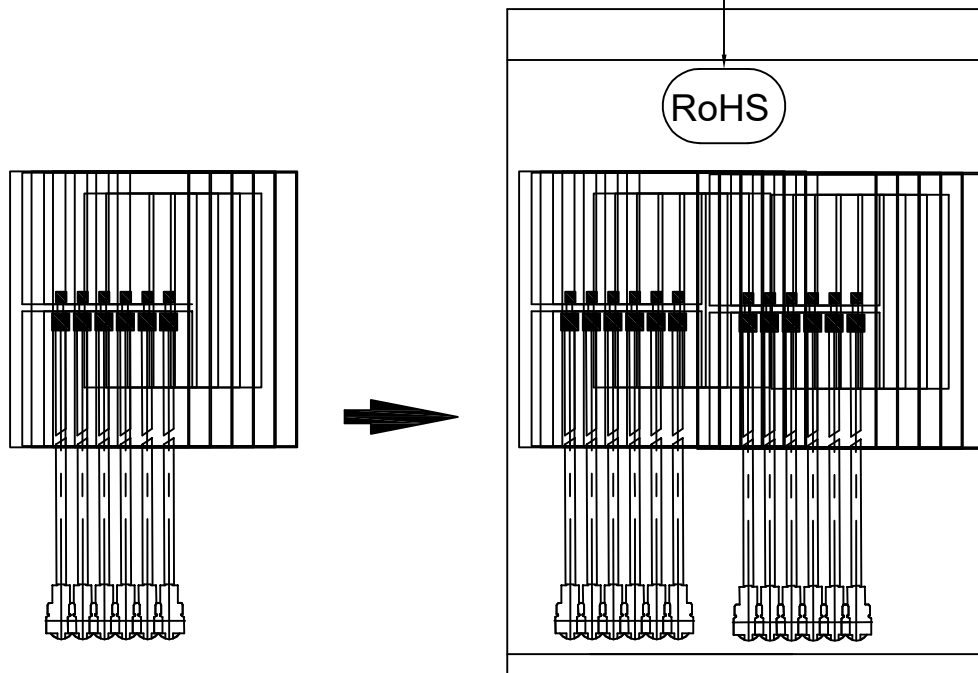


RoHS
Compatible

包装说明

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

环保标签



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



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

PART NAME: WiFi&BT Antenna

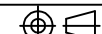
PART NO.:YJH01.059.041.302A

DATE: 2025-10-28

APPROVED BY

CHECKED BY

DESIGNED BY



Tolerance

陈国强

申辉

贺玉斌

UNITS: mm

SCALE: 1/1

REVISION: A

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℃

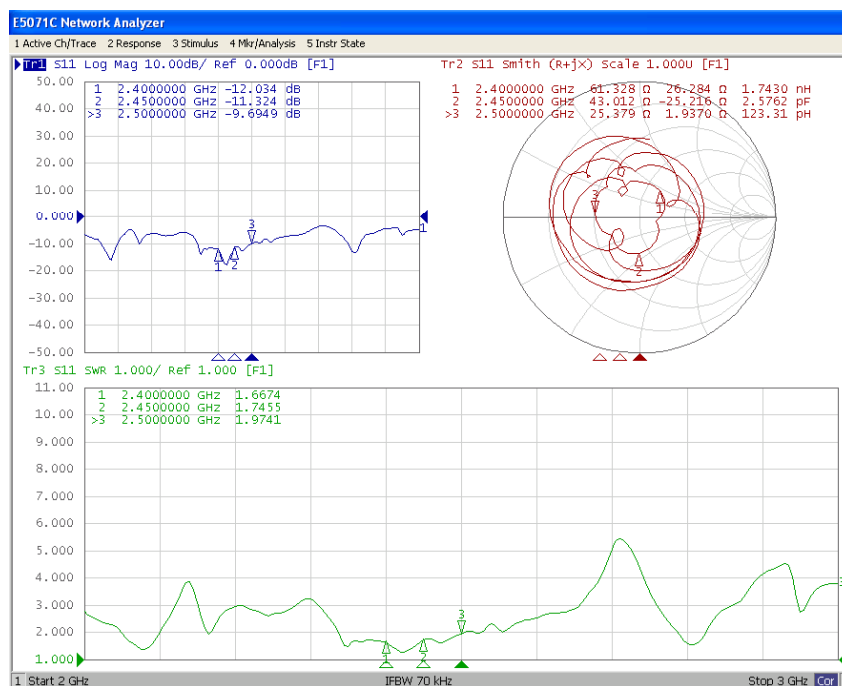




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Antenna Performance Test

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

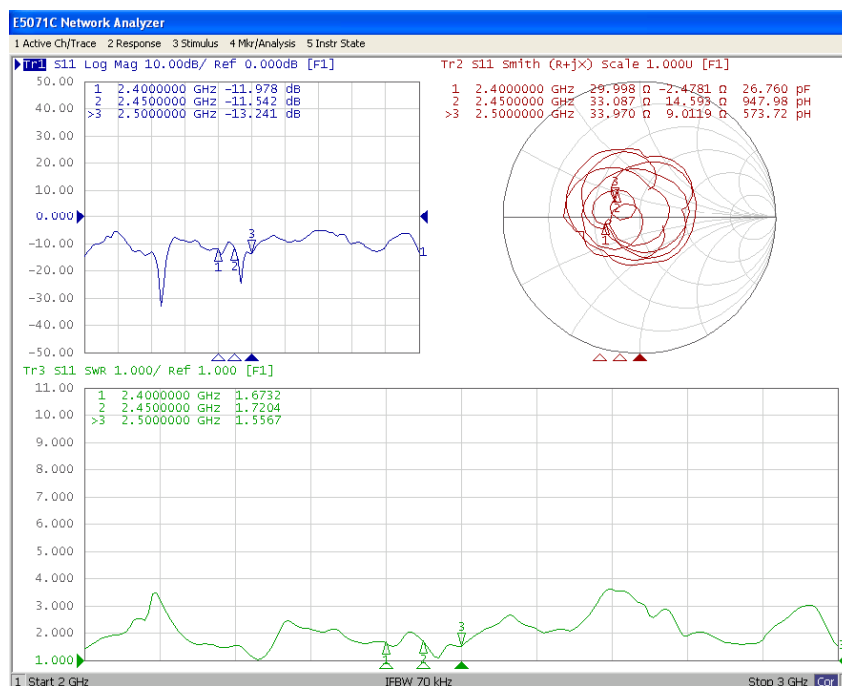


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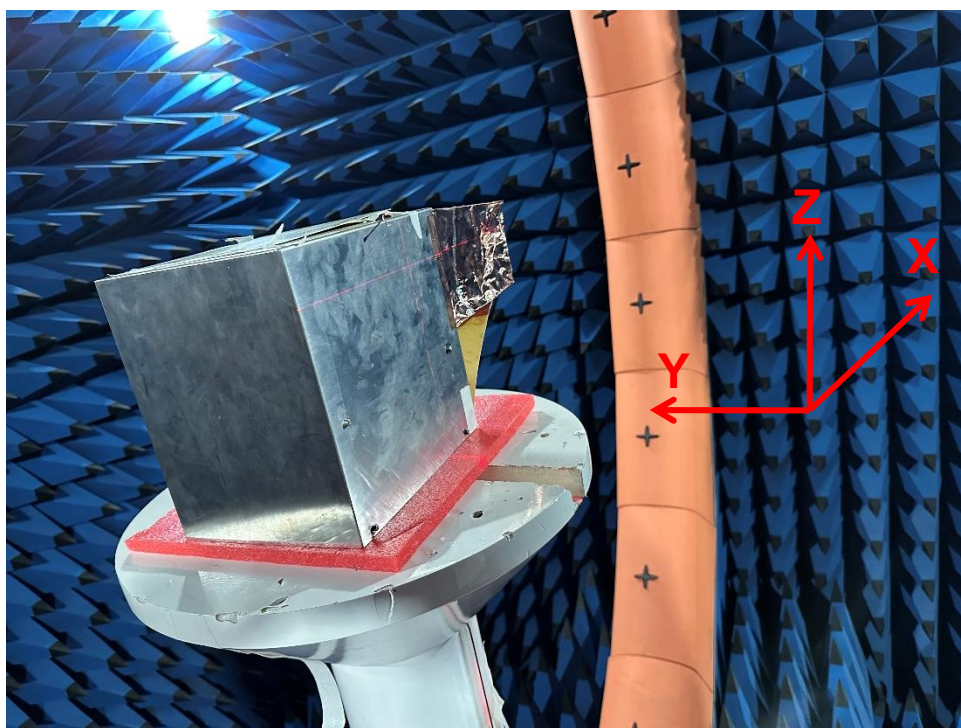
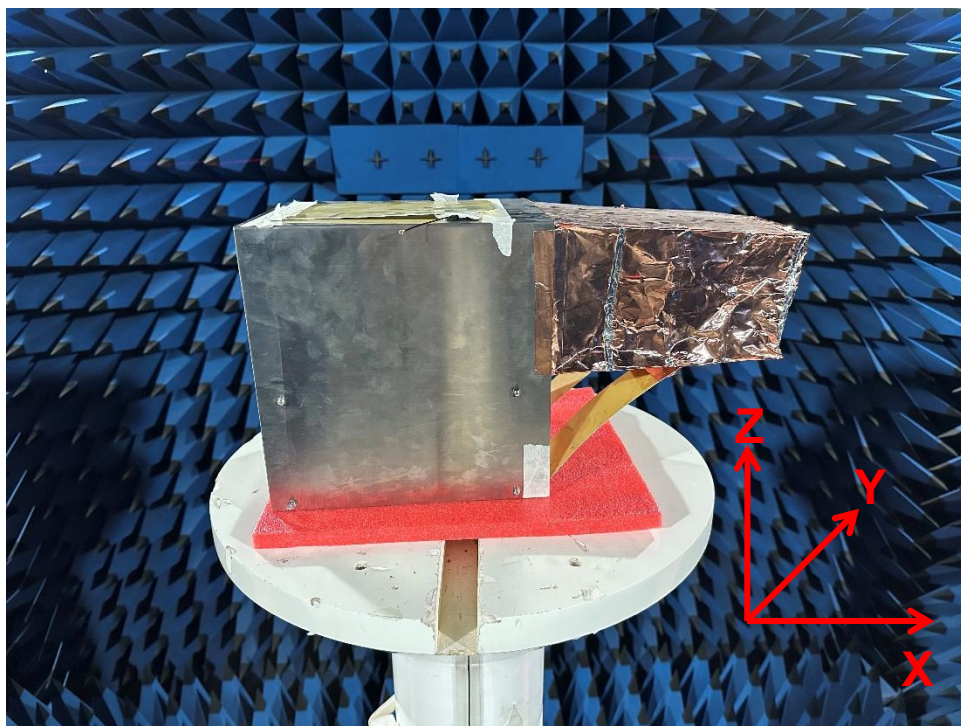
*Agilent
E5071C
S
Parameter
Test //
WiFi&BT
Antenna-2*



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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





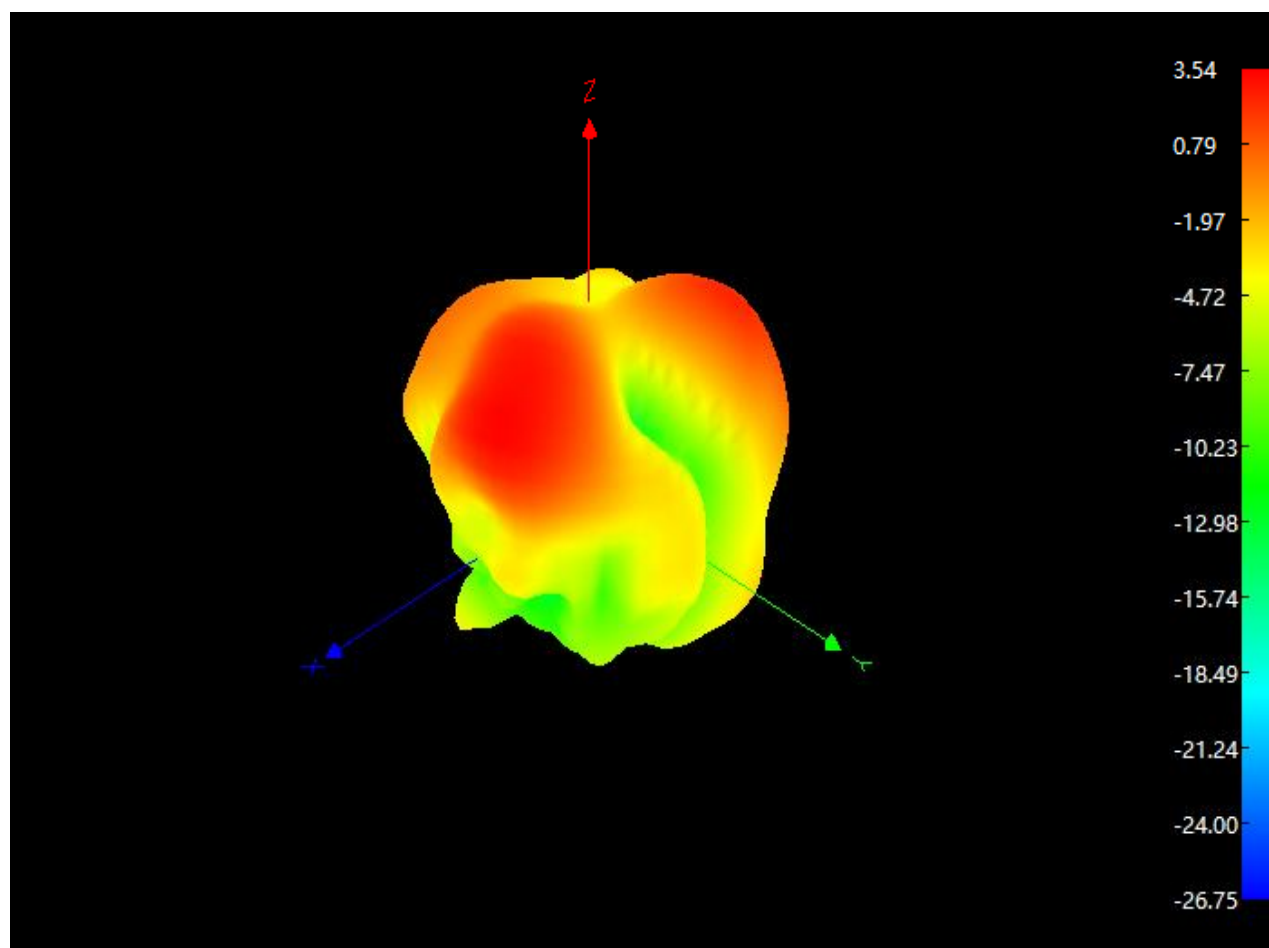
Passive Test For WiFi&BT Antenna-2

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



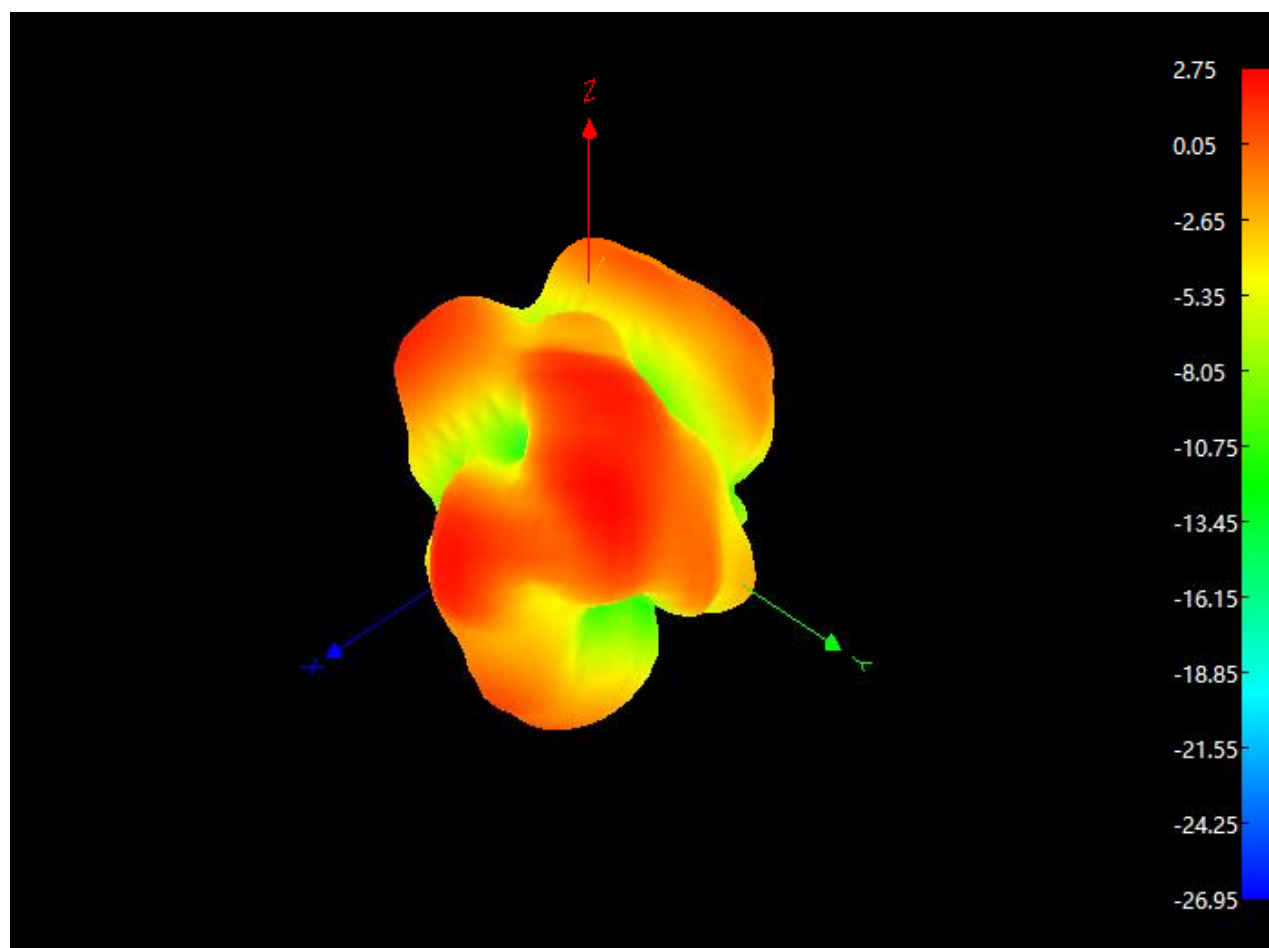


Radiation Pattern For WiFi&BT Antenna-1 (2450MHz)





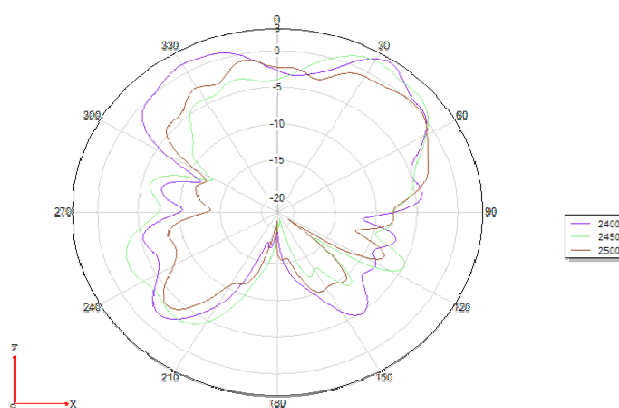
Radiation Pattern For WiFi&BT Antenna-2 (2450MHz)



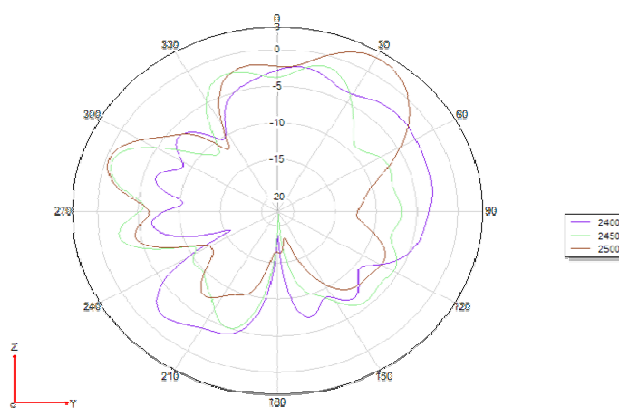


Radiation Pattern For WiFi&BT Antenna-1

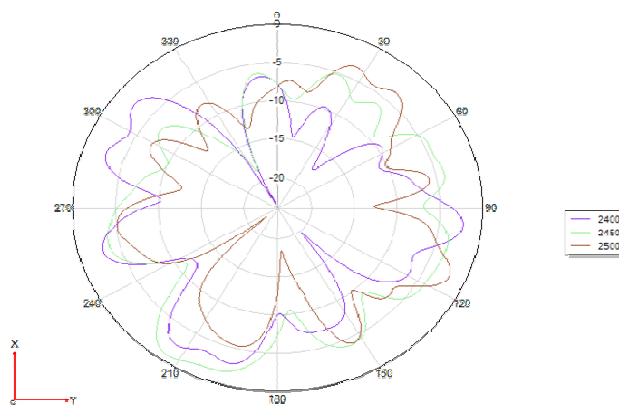
Phi 0°



Phi 90°



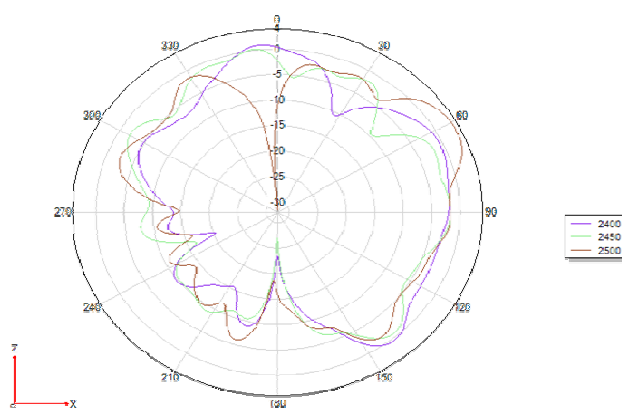
Theta 90°



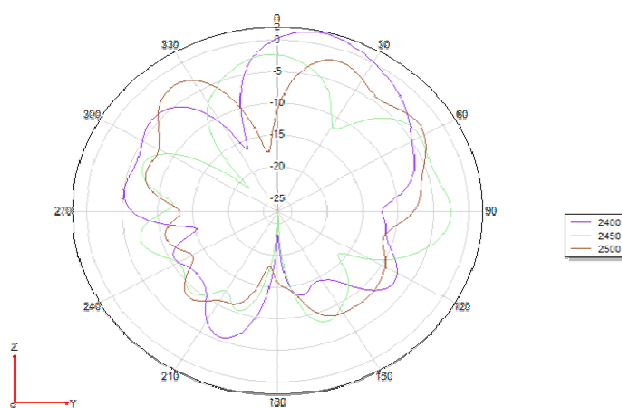


Radiation Pattern For WiFi&BT Antenna-2

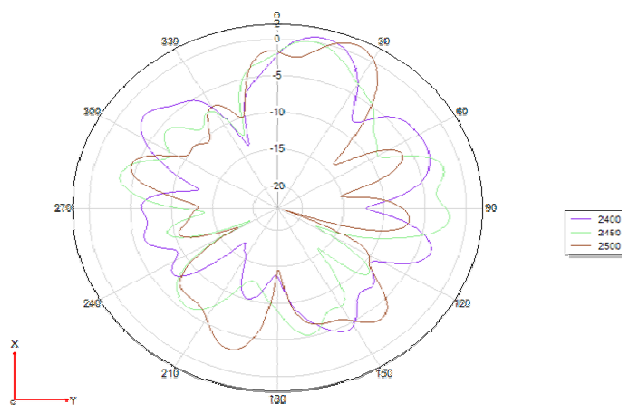
Phi 0°



Phi 90°



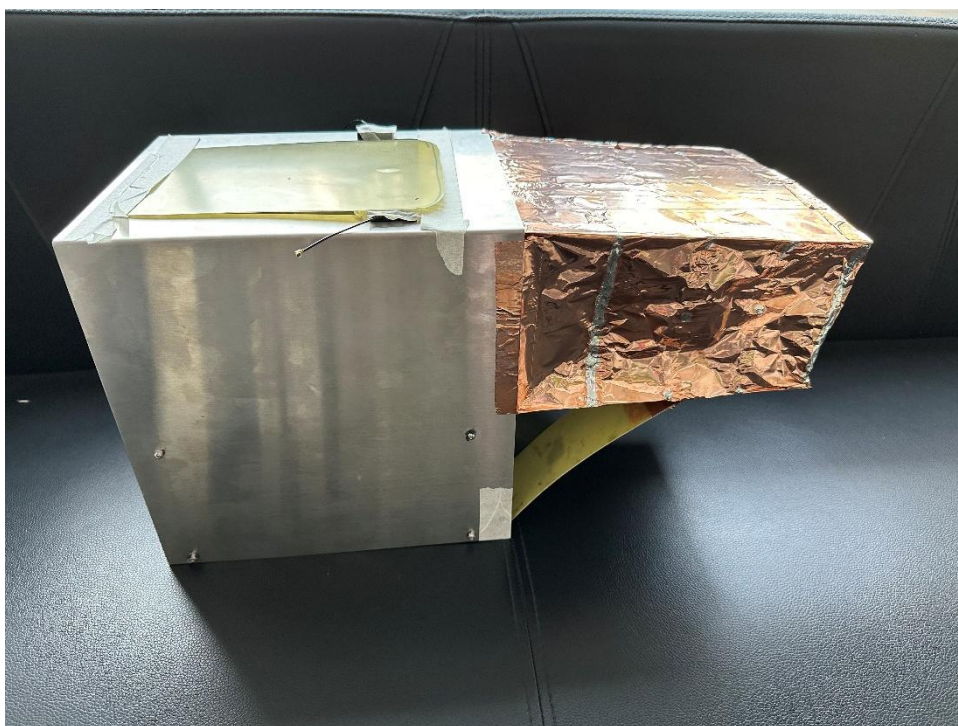
Theta 90°





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Device

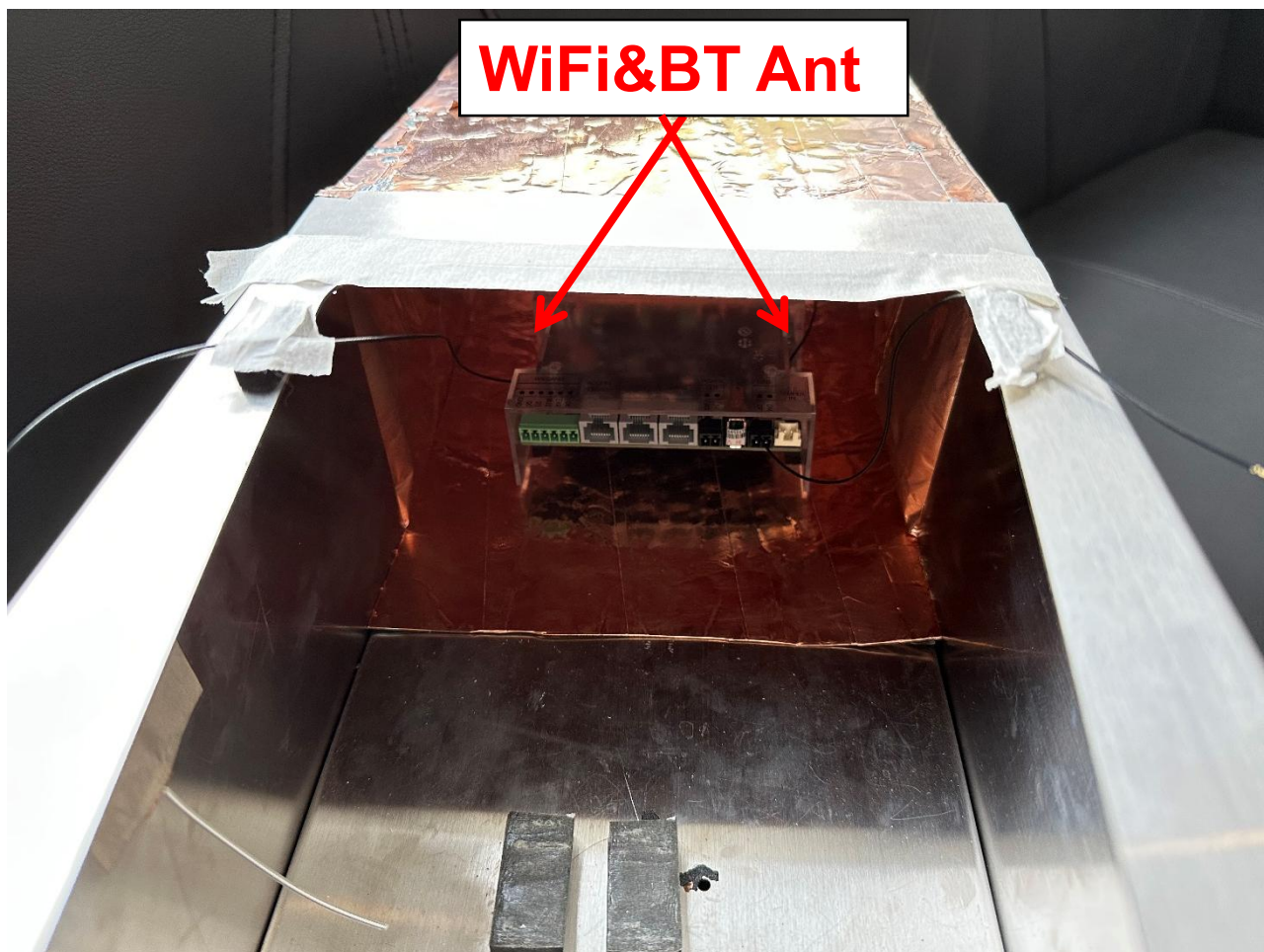


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WiFi&BT Ant



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