

TDE台德 部品承认书

PART FOR APPROVAL

File No: JX-RD-04-036

Ver: 1.0

No:

原厂名称（品牌名称）Vendor Name: Shenzhen HamyWe Technology Co., Ltd.

原厂型号 Vendor Part P/N: X2938-WBT1032B-BT

原厂规格描述 Part Description: FPC L=140MM

供应商确认签章Supplier: Shenzhen HamyWe Technology Co., Ltd.

台德适用机型 Model: WBT1032B

台德 ERP 料号 Part No:E110002924

台德部品名称 Part Name: FPC Antenna

台德规格描述 Part Description:

X2938-WBT1032B-BT , FPC (X2938-WBT1032B-BT-V1.0) +1.13
L=140MM, ROHS2.0+REACH

备注 Remarks:_____

RD/研发中心	QA/品质中心	APPROVED/批准



天线承认书

Parts Approval Sheet

Customer	台德 Taide	Project	WBT1032
Band	BT	Color	BLACK
PN	X2938	Version	V2
Customer material number	THE CORD LENGTH WAS UPDATED FROM 135MM TO 140MM		

DATE: 2024/08/14

R&D			QC
Issued by	Checked by	Confirmed by	Checked by
伍海沅 Wu Haiyuan	项念 XiangNian	项念 XiangNian	蔡枝 Cai Zhi
Customer Confirm			

Environmental requirements: ☒ ROHS

☐ REACH

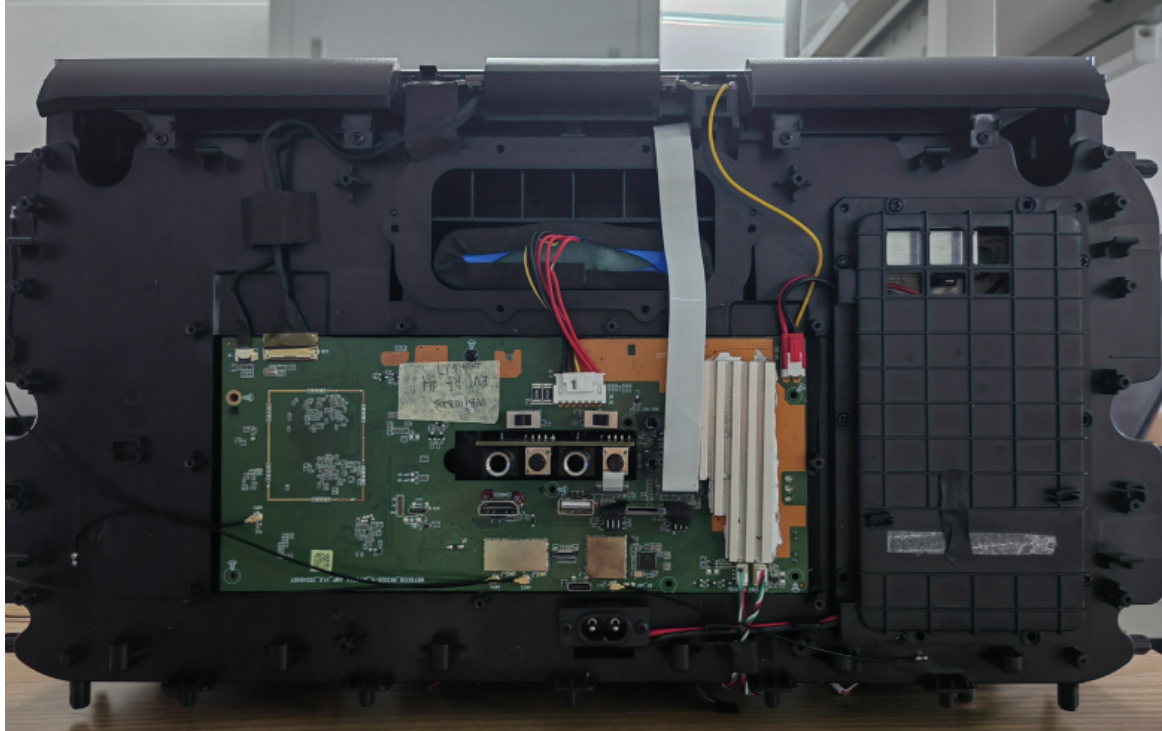
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Contents

Contents	2
1.Summary	3
2.General Description	3
2.1Antenna Components/Part revisions	3
2.2Definitions	3
3.Electrical Performance	4
3.1 Matching Circuit Description	4
3.2 VSWR(Test in free space)	5
3.3 Gain&Efficiency	6
3.4 2D &3D Radiation Pattern	7
3.5 Environment treatment	8
4. Antenna Engineer drawing	9
5.Reliability Testing Report	10

1.Summary

This report summarizes the electrical results of the our antenna to support the project WBT1032B. The test fixture is made for further testing, which is show below:



2.General Description

2.1Antenna Components/Part revisions

The antenna part number is T: A

2.2Definitions

VSWR: Voltage Standing Wave Rate

TRP: total radiated power

TIS: total isotropic sensitivity

3. Electrical Performance

3.1 Matching Circuit Description

BT天线匹配电路

BT Antenna Matching Circuit

匹配是否有改动

Is there any change in matching

无

No

RF Module

E3

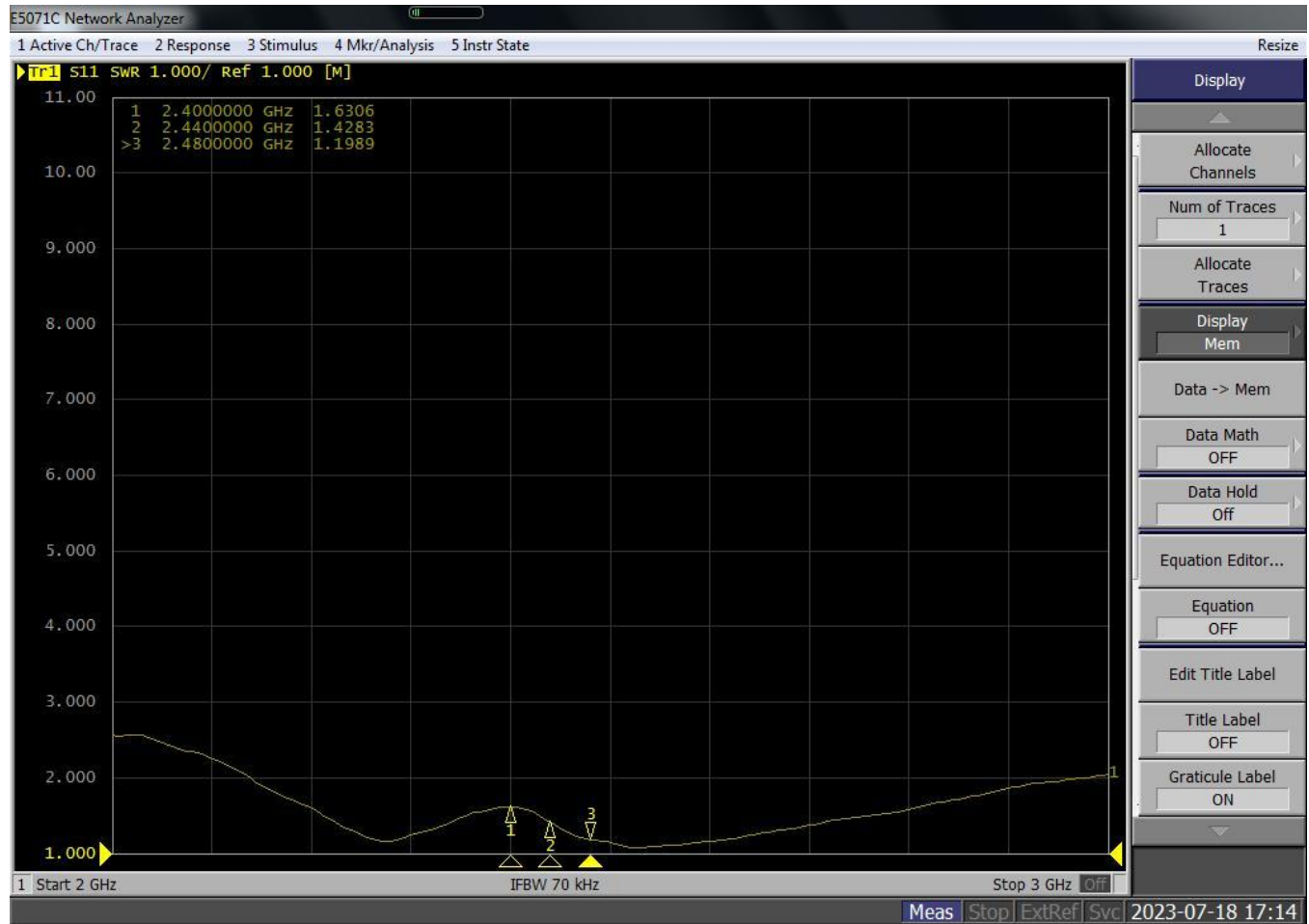
E2

E1

Antenna

天线	
Element	Value
E1 (0201)	
E2 (0201)	
E3 (0201)	

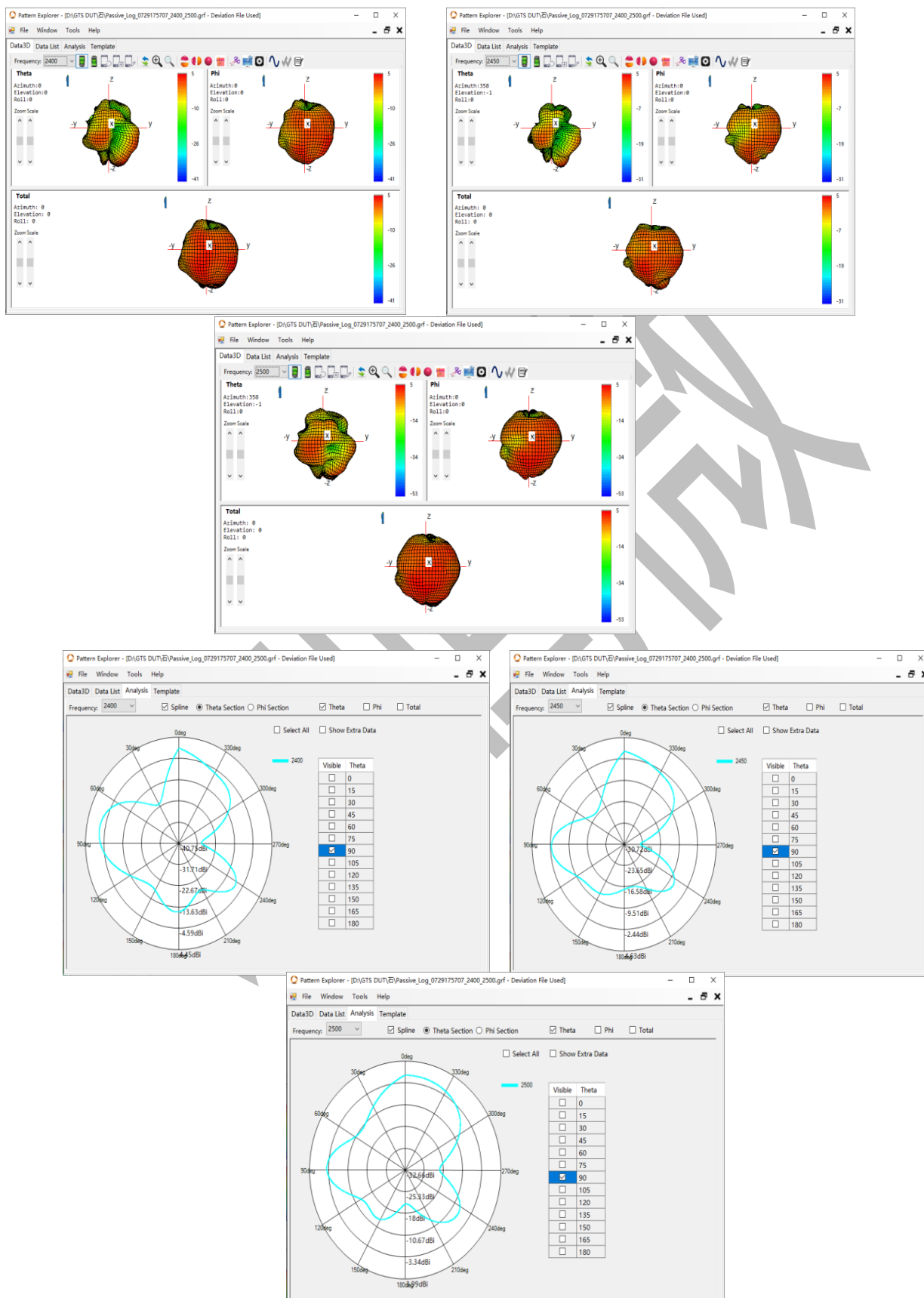
3.2 VSWR(Test in free space)



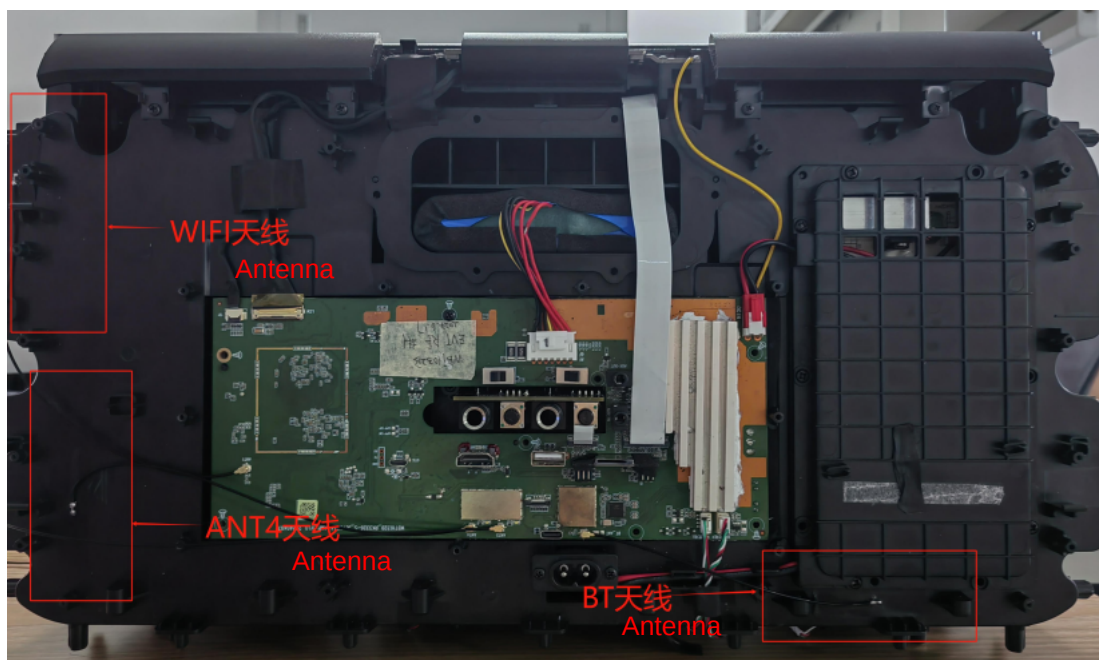
3.3 Gain&Efficiency

BT			
Freq(MHZ)	efficiency_db	Gain	efficiency (%)
2400	-1.32	4.49	73.82
2410	-1.37	4.71	72.96
2420	-1.44	4.57	71.72
2430	-1.56	4.82	69.76
2440	-1.64	4.7	68.54
2450	-1.53	4.83	70.26
2460	-1.64	4.94	68.51
2470	-1.66	4.87	68.28
2480	-1.63	5.07	68.69
2490	-1.53	5.26	70.3
2500	-1.84	4.69	65.5

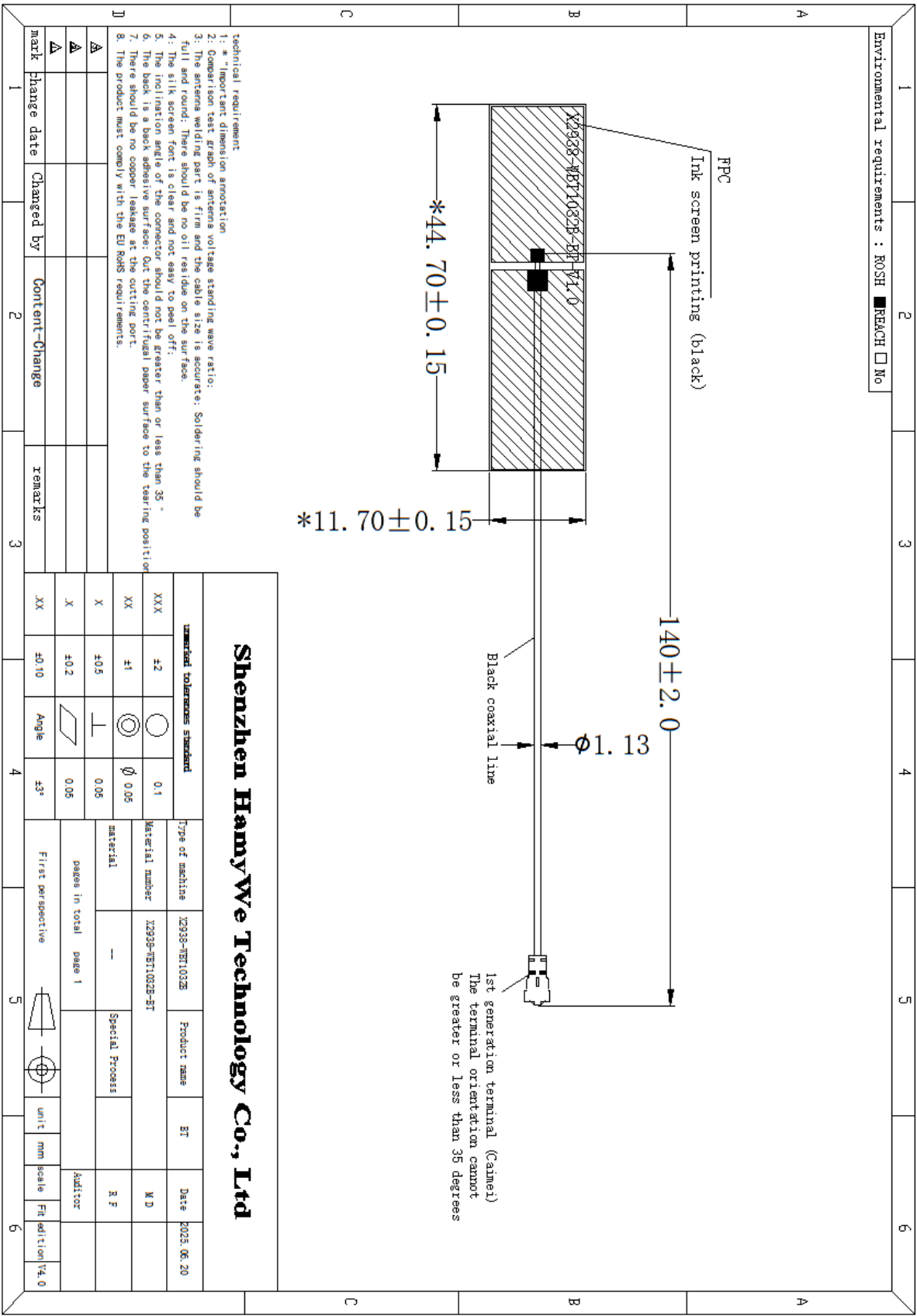
3.4 2D & 3D Radiation Pattern



3.5 Environment treatment



4. Antenna Engineer drawing



5. Reliability Testing Report

customer	台德 Taide	part number	FPC	Work Date	2024.07.26
Test item	Test requirement			Test result	Evaluation
neutral Salt-Fog test	Hydrochloric fog through neutral testing: In the time of 24 hours, no rust corrosion, color fading or solder peel off to the antenna fpc sop in Nacl 5%±1% PH value 6.5-7.2, above 85% humidity. and 35℃±2℃ Seals environment.			Norust corrosion, color fading or solder peel off on the antenna surface after testing	pass
tester: 伍海沅 Wu Haiyuan		approval: 伍海沅 Wu Haiyuan			