

TDE台德 部品承认书

PART FOR APPROVAL

文件编号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-ANT5

原厂规格描述 Part Description: FPC L=355MM

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:E110002923

台德部品名称 Part Name: FPC Antenna

台德规格描述 Part Description:

X2938-WBT1032B-ANT5 ， FPC (X2115-WBT1032-ANT5-V1.0)
L=355MM, 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	Project	WBT1032B
Band	ANT5	Color	BLACK
PN	X2938	Version	V1
Customer material number	THE CORD LENGTH WAS UPDATED FROM 310MM TO 355MM		

DATE: 2024/08/02

R&D			QC
Issued by	Checked by	Confirmed by	Checked by
伍海沅	项念	项念	蔡枝
Customer Confirm			

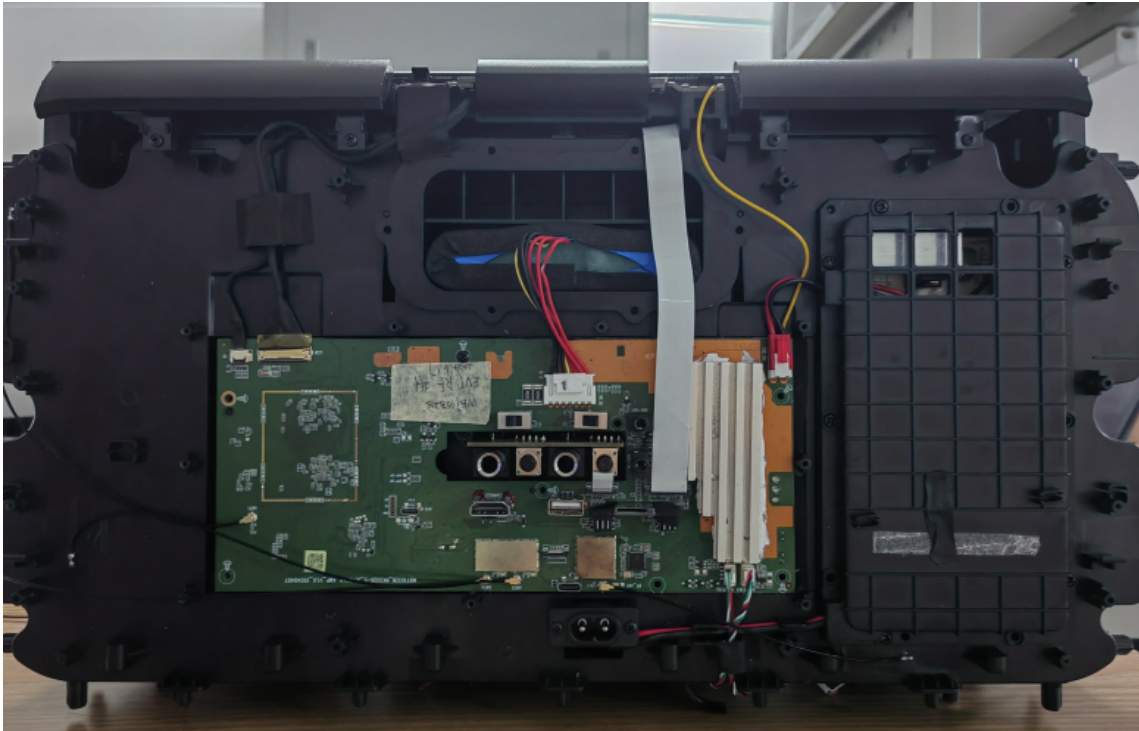
Environmental requirements: ☒ ROHS ☐ REACH ☐ 无

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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

ANT5天线匹配电路

匹配是否有改动

无

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

RF Module

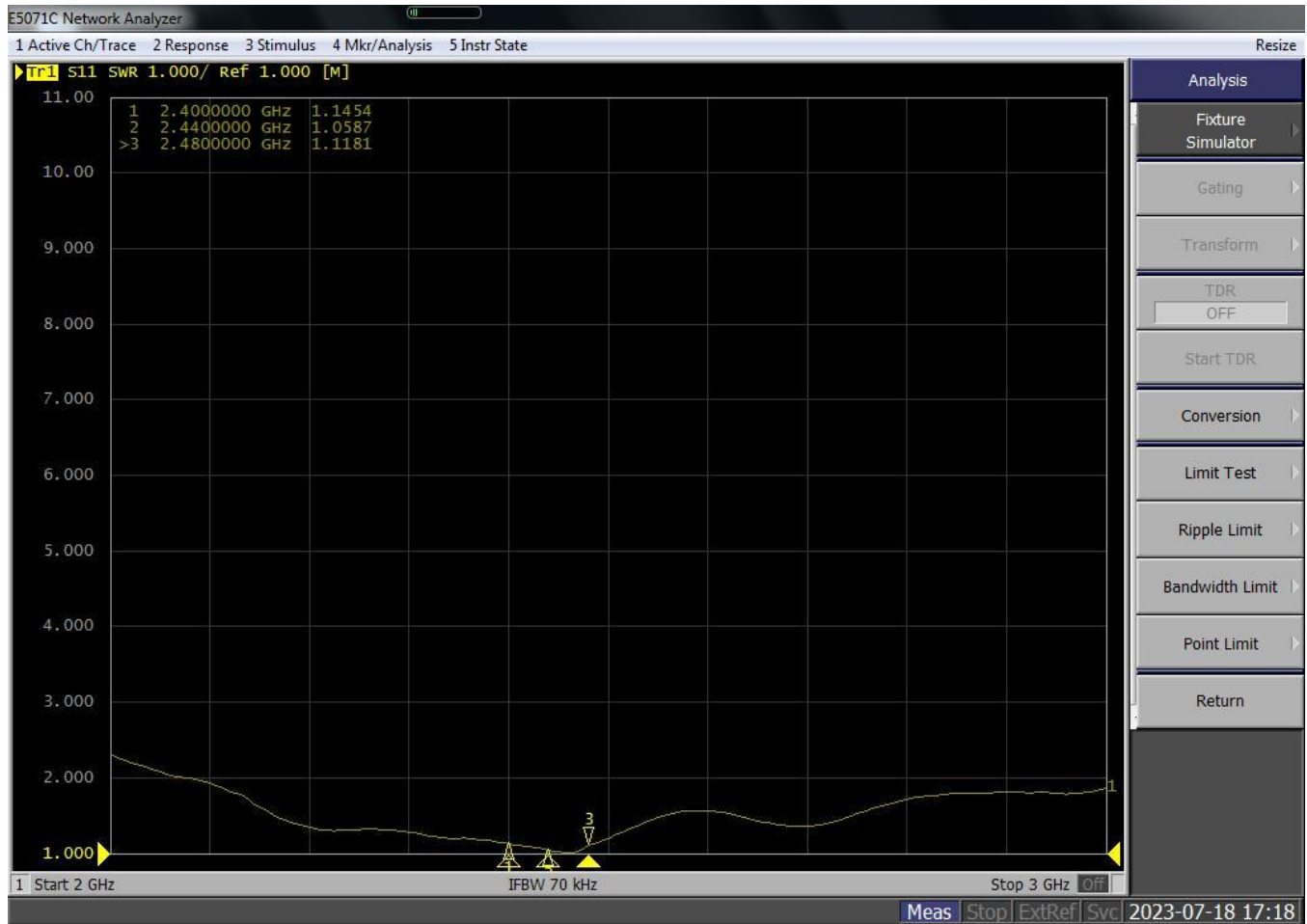
E2

E3

E1

Antenna

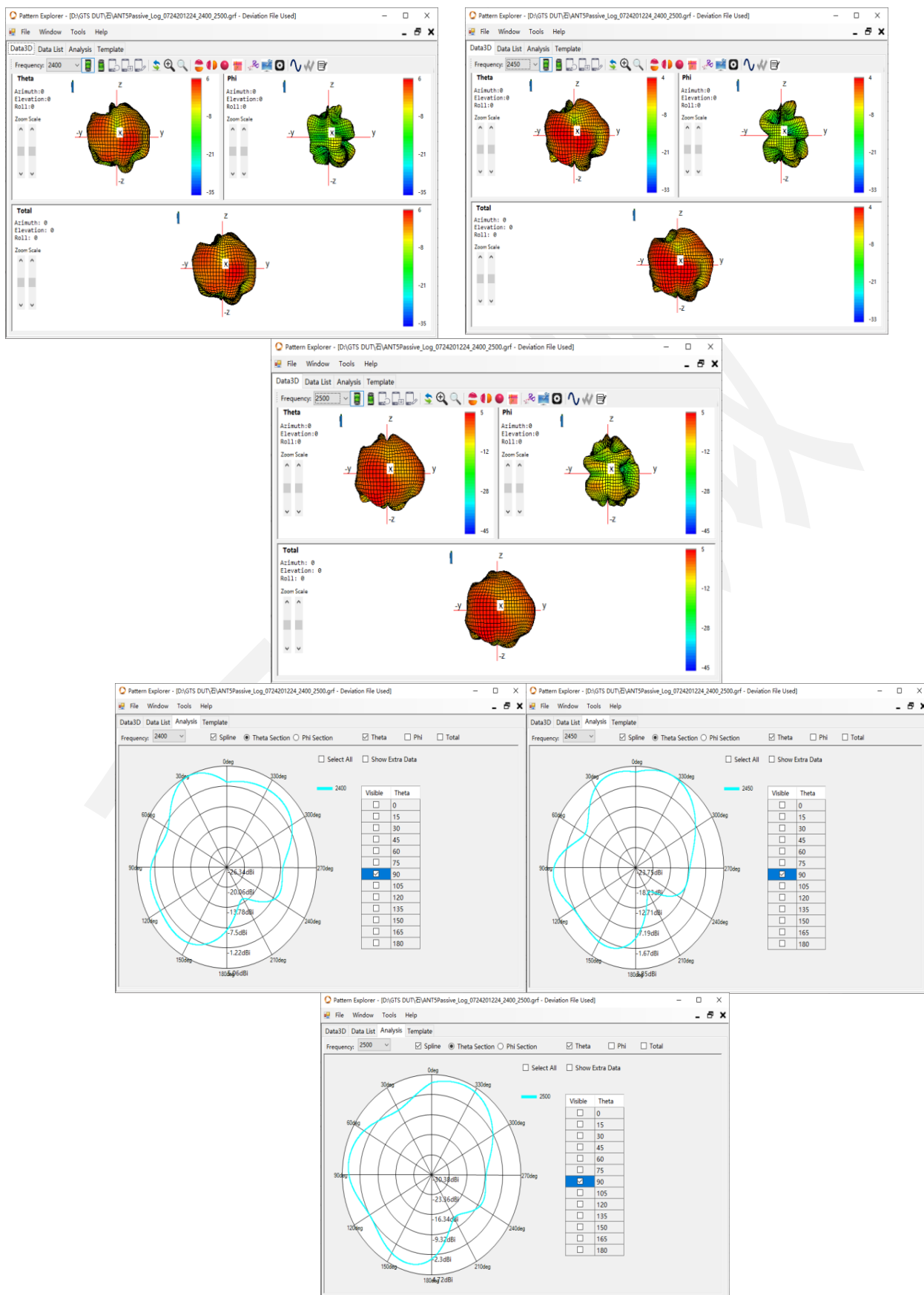
3.2 VSWR(Test in free space)



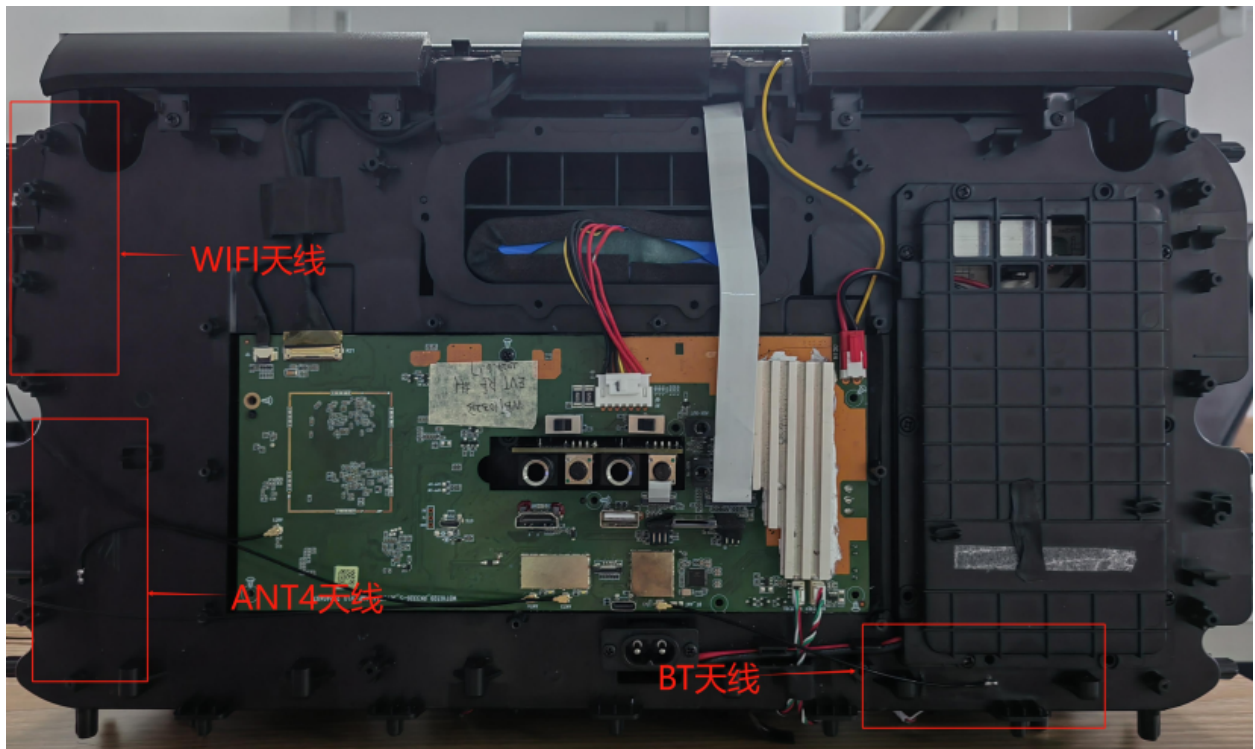
3.3 Gain&Efficiency

ANT5			
Freq (MHZ)	efficiency_db	Gain	efficiency (%)
2400	-1.29	5.04	74.33
2410	-1.33	4.62	73.66
2420	-1.44	3.83	71.8
2430	-1.42	3.49	72.1
2440	-1.4	3.57	72.4
2450	-1.43	3.68	71.89
2460	-1.36	3.8	73.13
2470	-1.39	4.11	72.61
2480	-1.23	4.72	75.32
2490	-1.23	4.87	75.4
2500	-1.32	4.84	73.79

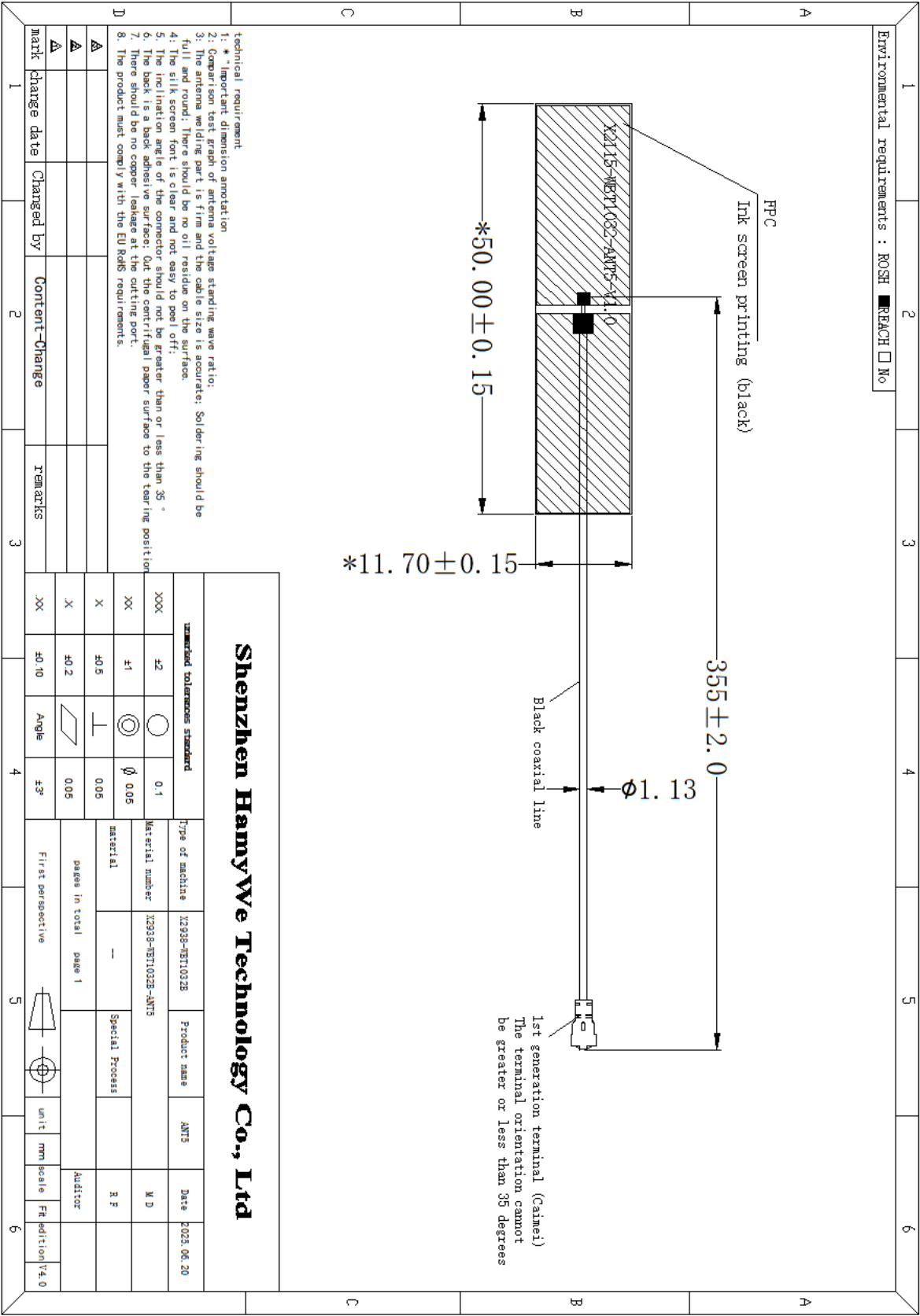
3.4 2D & 3D Radiation Pattern



3.5 Environment treatment



4. Antenna Engineer drawing



5. Reliability Testing Report

customer	台德	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			approval: 伍海沅		