天线承认书

Parts Approval Sheet

Customer	星易美	**Project**	STM930-JK-K6
Band	**WIFI**	**Color**	**BLACK**
PN	**X3083**	**Version**	**V1**
Customer material number			

DATE: 2024/11/26

R&D			**QC**
Issued by	**Checked by**	**Confirmed by**	**Checked by**
伍海沅	**钟一铭**	梁毅	**蔡枝**
Customer Confirm			

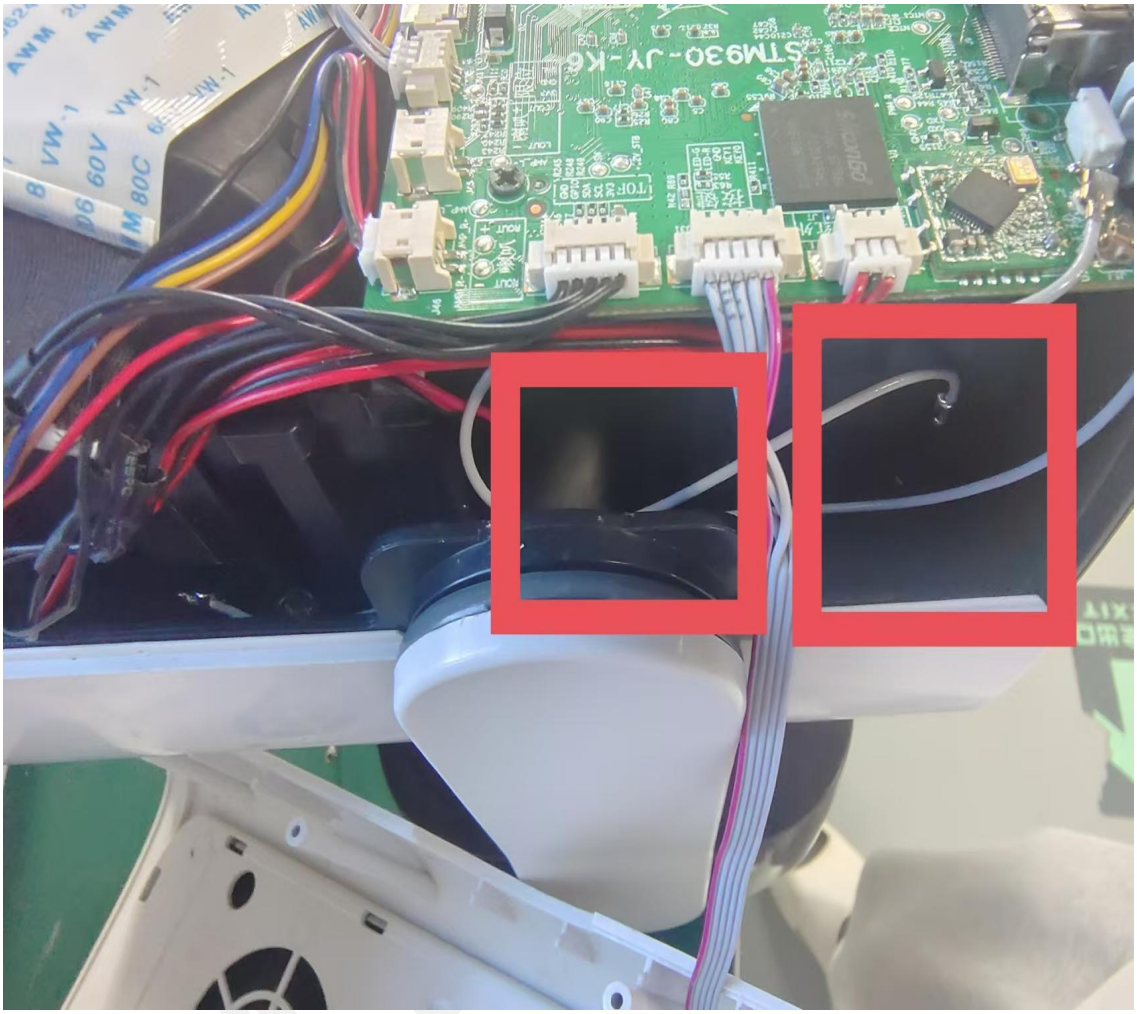
Environmental requirements: ■ ROHS □ REACH □ 无

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 Antenna TRP&TIS test results 5
3.3 Gain&Efficiency 6
3.4 3D Radiation Pattern 7
4. Antenna Engineer drawing 8
5.Reliability Testing Report 9

1.Summary

This report summarizes the electrical results of the our antenna to support the project STM930-JK-K6.The test fixture is made for further testing, which is show below：



2.General Description

2.1Antenna Components/Part revisions

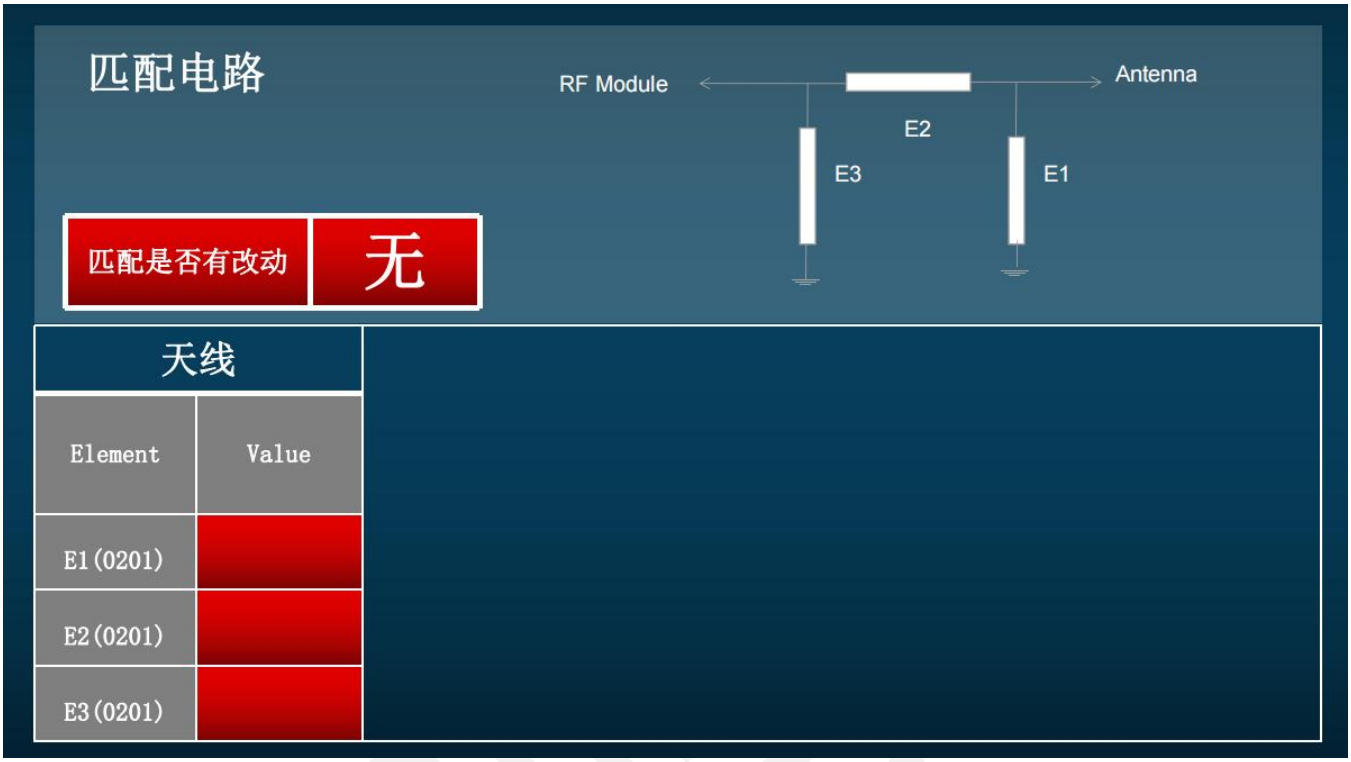
The antenna part number is T：A

2.2Definitions

VSWR：Voltage Standing Wave Rate
TRP：total radiated power
TIS：total istropic sensitivity

3.Electrical Performance

3.1 Matching Circuit Description



3.2 Antenna TRP&TIS test results

OTA 数据(B 模)		
Channel	TRP	TIS
1	16.45	-77.20
7	16.79	-76.66
13	17.36	-76.97

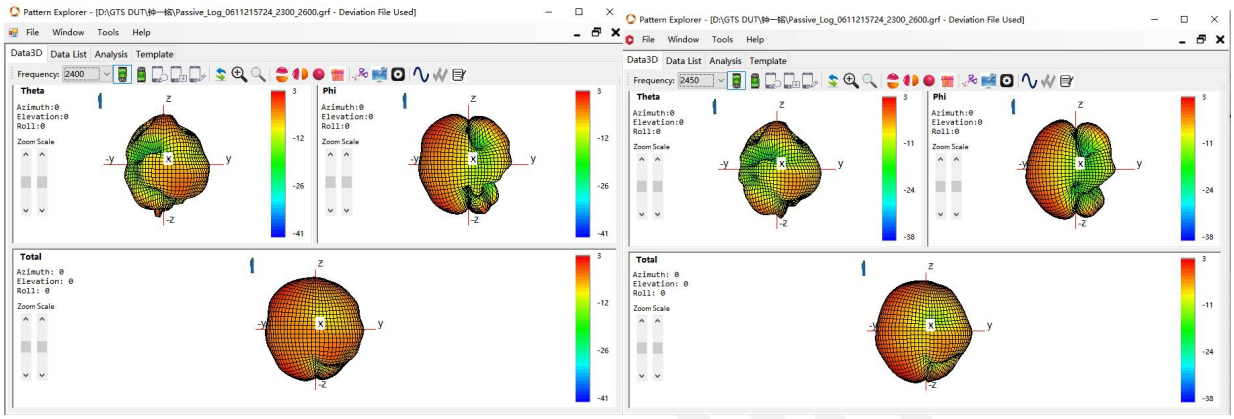
OTA 数据(a 模)		
Channel	TRP	TIS
36	14.56	-71.02
149	14.69	-70.32
165	15.22	-70.99

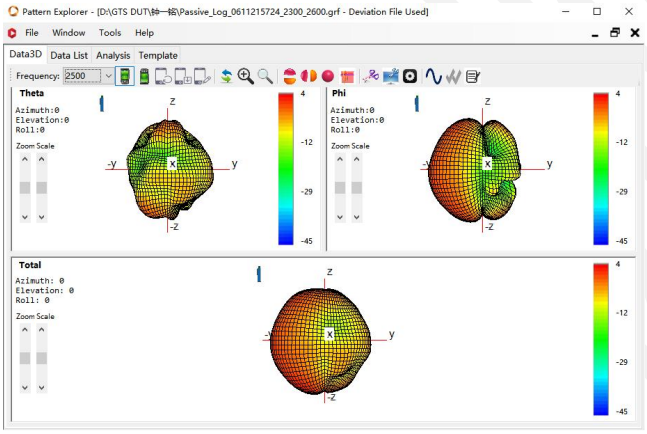
3.3 Gain&Efficiency

2.4G 无源测试数据		
频率(MHZ)	增益(DBI)	效率(%)
2400	2.56	59.94
2410	2.72	58.92
2420	2.18	57.37
2430	2.24	57.23
2440	2.38	55.32
2450	2.85	57.22
2460	2.68	56.42
2470	3.17	58.04
2480	2.99	58.58
2490	3.4	59.72
2500	3.36	57.48

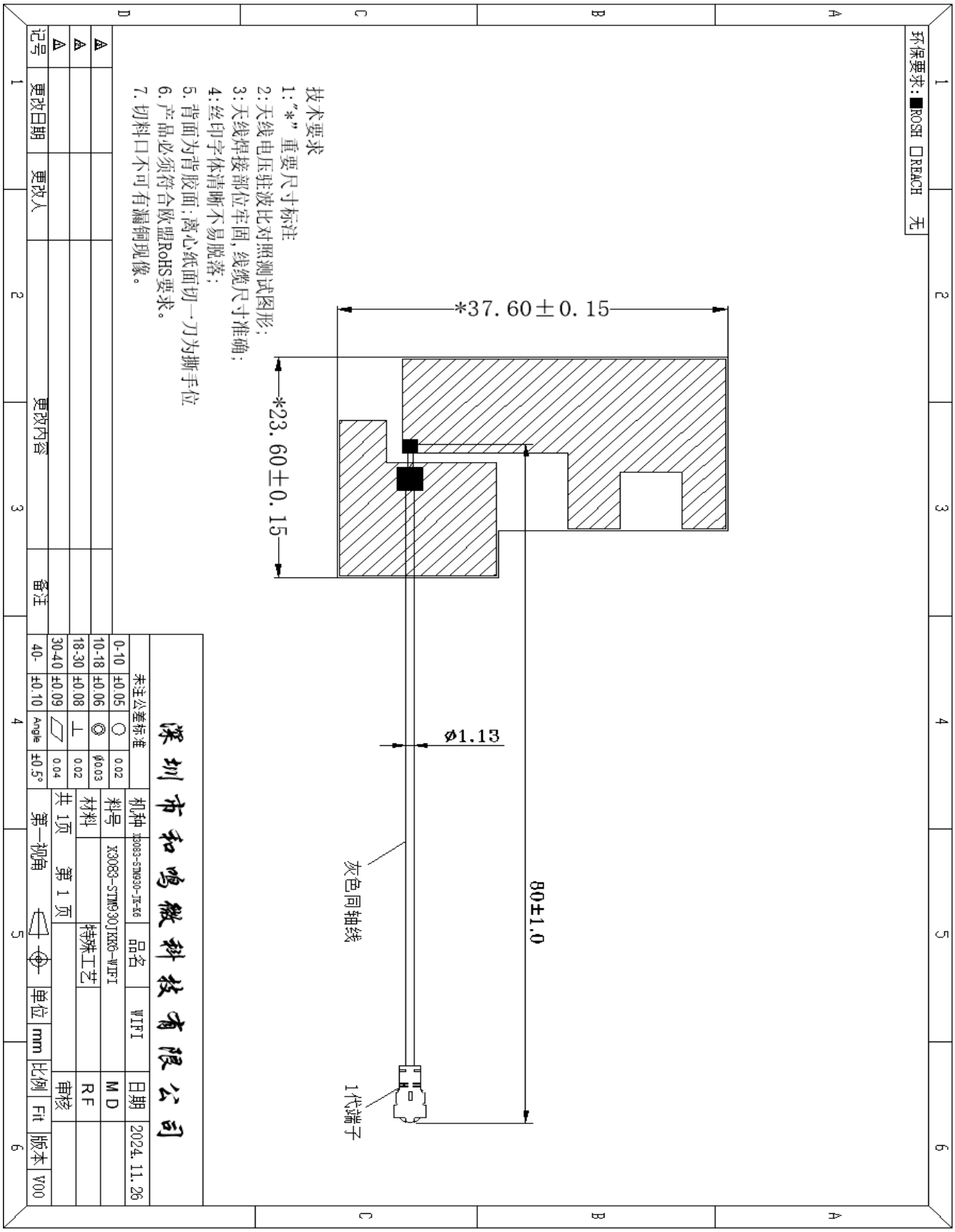
3.4 3D Radiation Pattern

WIFI 2　　2.4G 苹果图





4. Antenna Engineer drawing



5.Reliability Testing Report

customer	星易美	part number	FPC	Work Date	2024.11.26
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		