



天线承认书

Parts Approval Sheet

Customer	安鸿	Project	ABM900 摄像头
Band	2.4G WIFI	Color	Black
PN	X2023	Version	V2
Customer material number			

DATE: 2024/01/26

R&D			QC
Issued by	Checked by	Confirmed by	Checked by
伍海沅	蔡章林	项念	文孝群
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 ABM900. 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

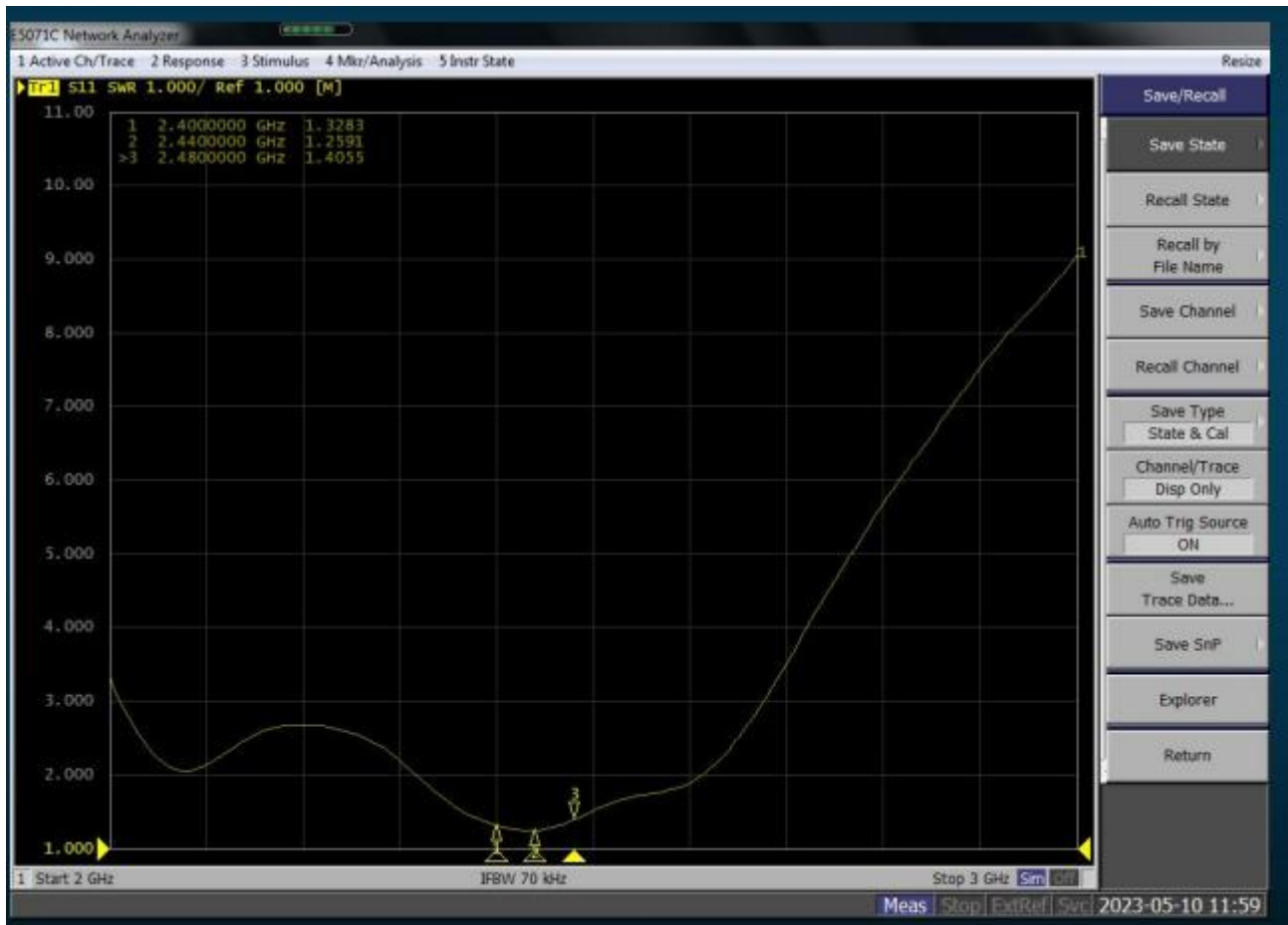
TIS: total isotropic sensitivity

3. Electrical Performance

3.1 Matching Circuit Description



3.2 VSWR(Test in free space)



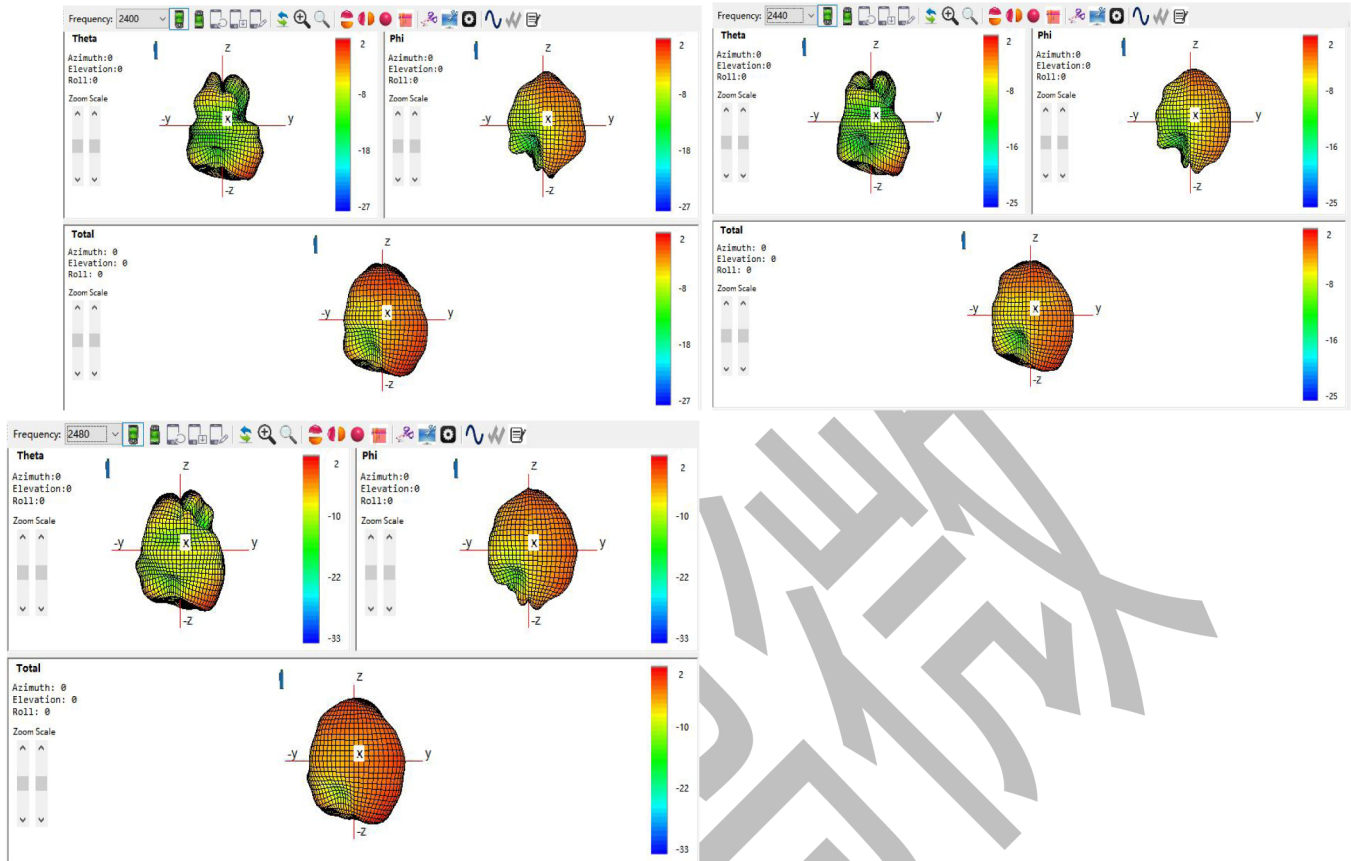
3.3 Gain&Efficiency

Frequency (MHz)	Gain(dB)	Efficiency(%)
2400	1.73	54.85
2410	1.64	53.93
2420	1.33	51.75
2430	1.55	54.11
2440	1.66	54.26
2450	1.88	55.53
2460	1.81	52.21
2470	1.95	56.97
2480	1.84	56.49
2490	1.8	56.26
2500	1.66	56.66

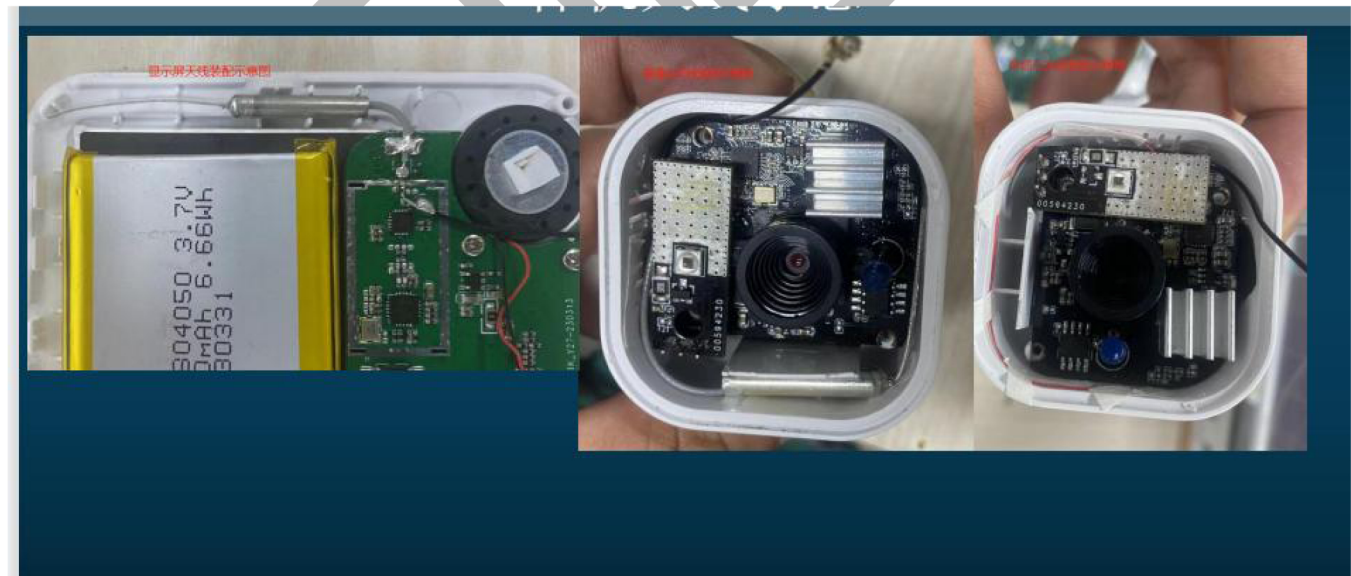
3.4 TRP&TIS test results

	channel	frequency	TRP	TIS
802.11b	1	2412	13.85	-78.77
	7	2442	14.27	-79.57
	13	2472	13.71	-78.65

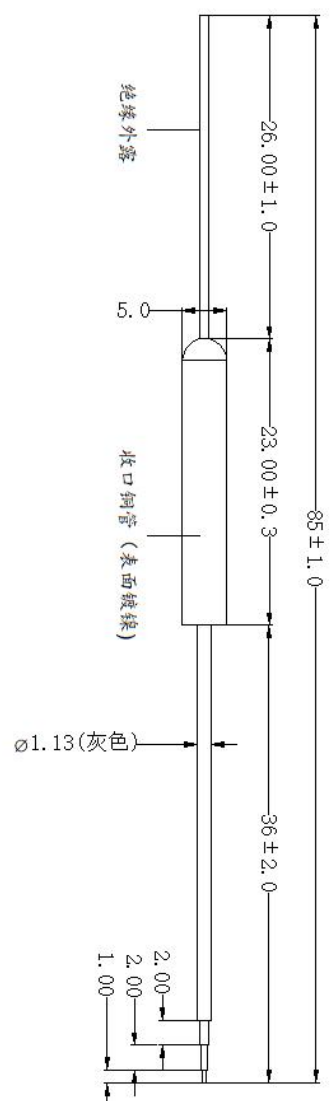
3.5 3D Radiation Pattern



3.6 Environmental Treatment



4. Antenna Engineer drawing

1	2	3	4	5	6																																																												
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技术要求 1: “*” 重要尺寸标注 2: 天线电压驻波比对照测试图形; 3: 天线焊接部位牢固, 线缆尺寸准确; 4: 产品必须符合欧盟RoHS要求。																																																																	
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5. Reliability Testing Report

customer	安鸿	part number	FPC	Work Date	2023.05.16
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°C ± 2°C 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		