

天线承认书

Parts Approval Sheet

Customer	小成	Project	T007
Band	WIFI	Color	BLACK
PN	X2548	Version	V0
Customer material number			

DATE: 2024/01/24

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 T007. The test fixture is made for further testing, which is show below:



2. General Description

2.1 Antenna Components/Part revisions

The antenna part number is T: A

2.2 Definitions

VSWR: Voltage Standing Wave Rate

TRP: total radiated power

TIS: total isotropic sensitivity

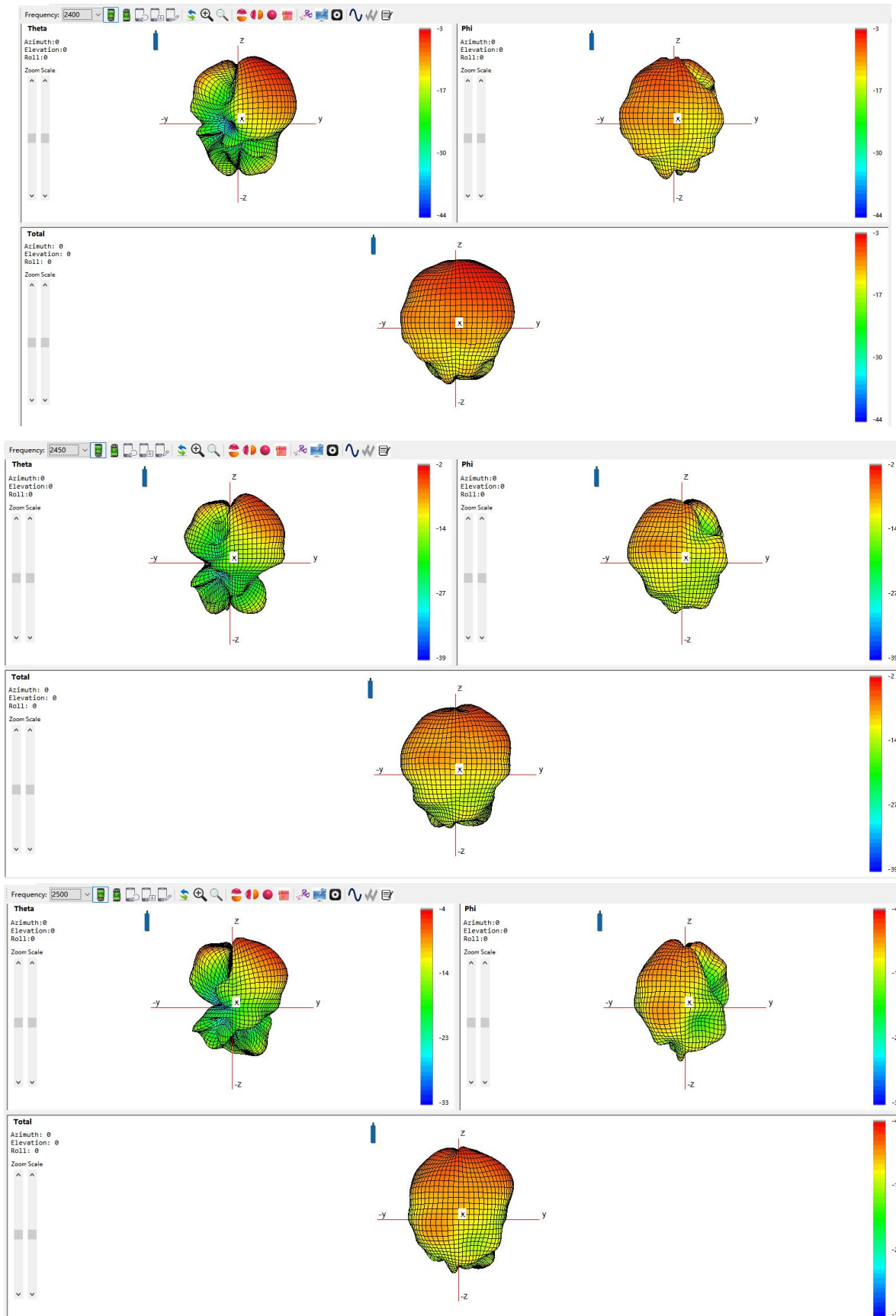
3. Electrical Performance

3.1 Matching Circuit Description



3.2 Gain&Efficiency

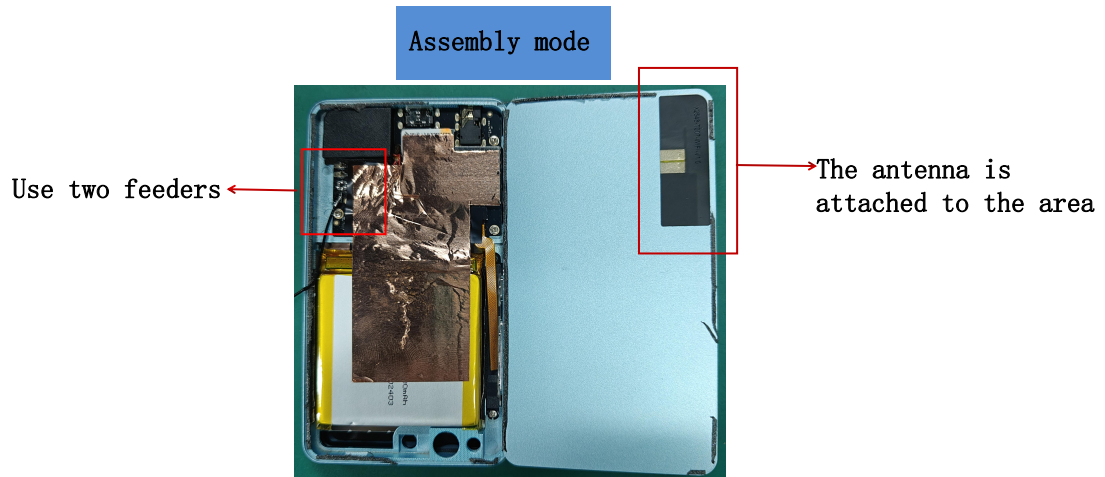
Passive test data		
Frequency	Gain	Efficiency (%)
2400	-3.32	9.56
2410	-3.73	9.85
2420	-3.72	9.62
2430	-3.07	10.4
2440	-3.02	10.26
2450	-2.86	10.35
2460	-2.74	10.4
2470	-2.95	10.74
2480	-3.11	10.38
2490	-2.36	9.8
2500	-3.07	9.71




3.3 Antenna TRP&TIS test results

OTA Test data			
Mode	Band	TRP	TIS
802.11b	1	9.81	-79.55
	7	10.39	-79.87
	13	9.54	-78.76

3.4 Antenna mounting method



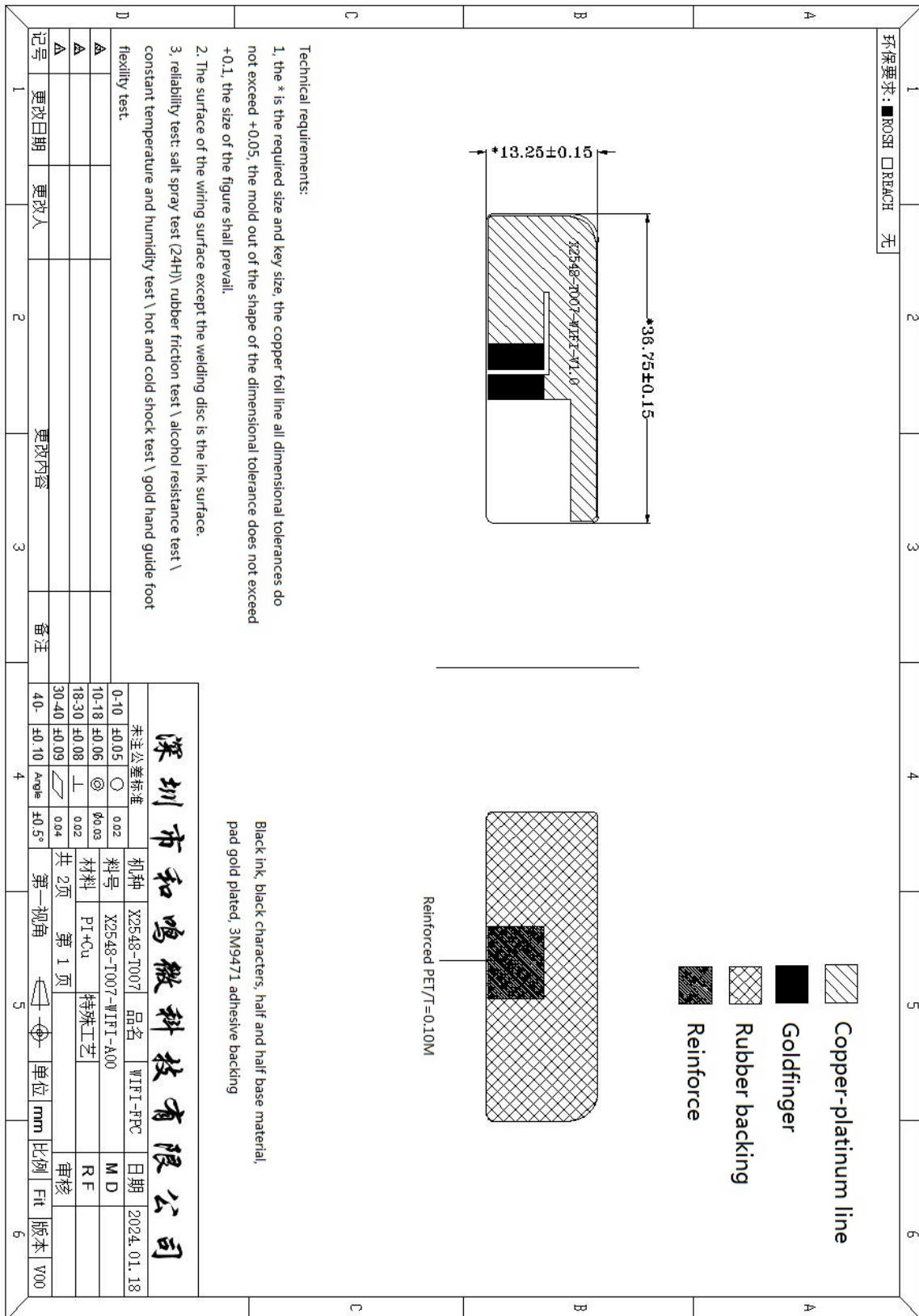
3.5 Bluetooth measurement results



Bluetooth measurement

1. Test time: 2024.01.22
2. Test location: Indoor on the first floor
3. Distance from the ground: 1.2m
4. 360-degree test distance without dead
Angle: 15m
5. Test phone: vivo S16

4. Antenna Engineer drawing



5. Reliability Testing Report

customer		part number	FPC	Work Date	2024.01.20
Test item	Test requirement			Test result	Evaluation
neutral Salt-Fog test	<p>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.</p>			<p>Norust corrosion, color fading or solder peel off on the antenna surface after testing</p>	pass
tester: 伍海沅			approval: 伍海沅		