



Antenna acknowledgment

Customer Name	Shenzhen AZW Technology Co., Ltd.			
project name: Project Name	EQ13	frequency range: Band Info	WiFi 2.4/5G	
Antenna name: Antenna Name	E Q 1 3 Antenna M a i n Black V1.0	Customer No. : Customer P/N	14.02.03490000	
		Supplier material number: Supplier P/N	MA-D-Main-B-V0	
	E Q 1 3 Antenna A U X Black V1.0	Customer No. : Customer P/N	14.02.03490001	
		Supplier material number: Supplier P/N	MA-D-AUX-G-V0	
version number: Version No	R:V1.0	Date: Date	2024-01-22	
We confirm that				
fabrication : Edited by	Review the Check by	Approval of the Approved by	Admit date Date of approval	affix one's seal Company seal
Customer confirmation				
Engin eering Engineer	charac ter QA	Purcha se of the Purchas e	Admit date Dateof approval	affix one's seal Company seal
Confirm the results Confirmed Result	<input type="radio"/> Qualified OK <input type="checkbox"/> Unqualified NG <input type="checkbox"/> Other Other			

catalogue

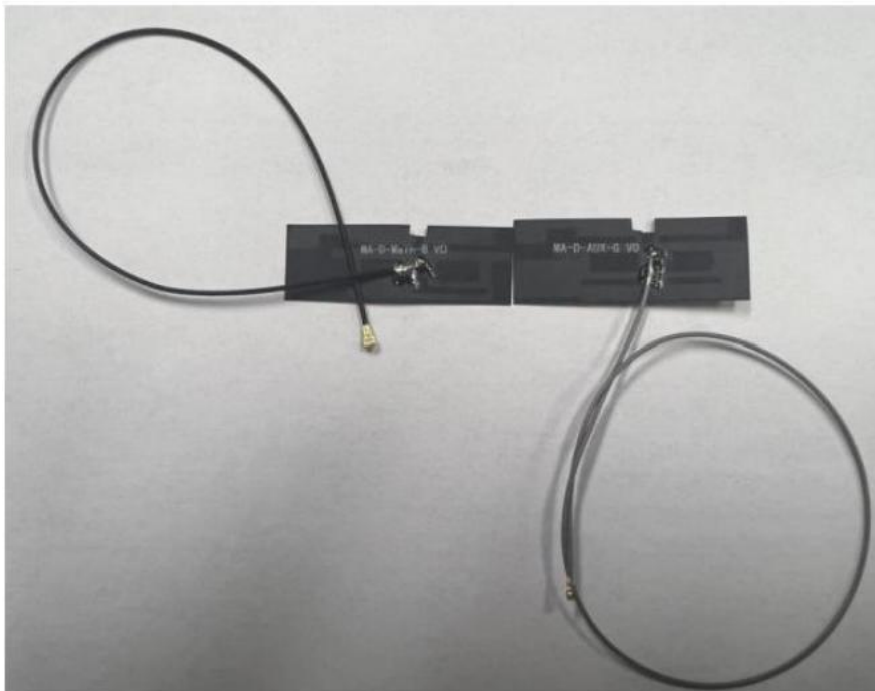
1. Diagram of complete machine, finished antenna, semi-finished product assembly
2. Antenna active parameters
3. Antenna has no passive parameters
4. The Salt Fog Test Report
5. High and low temperature test report
- Vi. Size test report
7. Antenna dimensions diagram
- Viii. Packaging method

I. Drawing representation of the whole machine



The whole picture

1.1 The finished antenna drawing

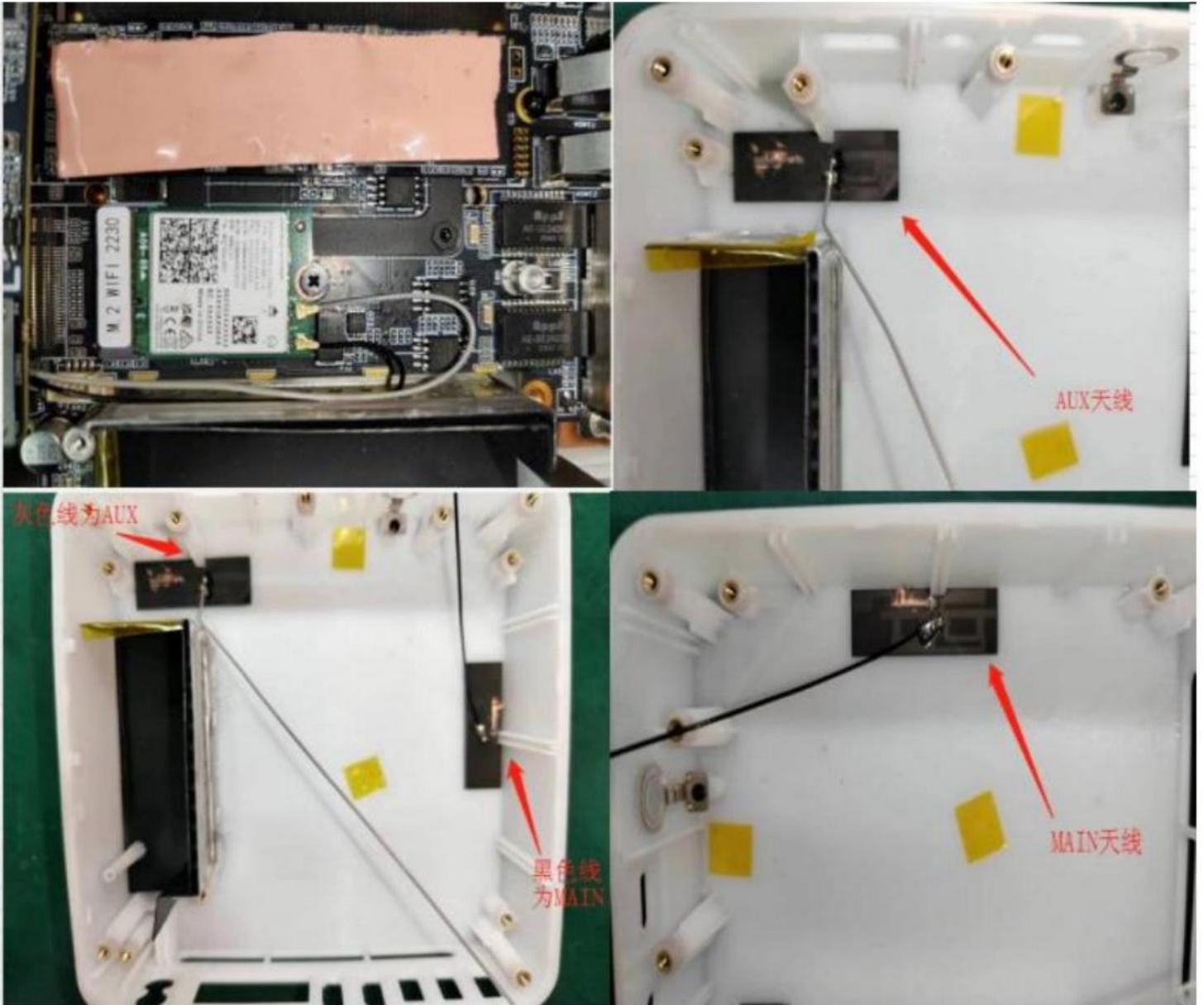


AuxAntenna picture

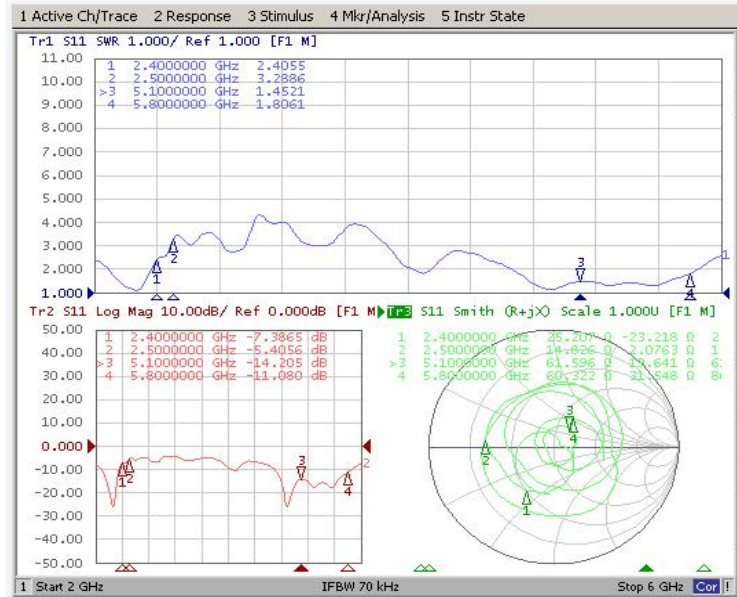
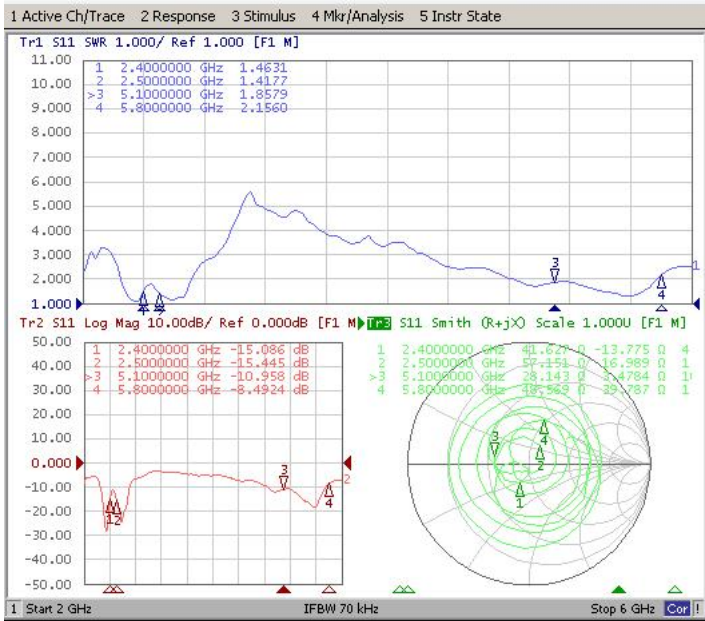
Main Antenna picture

1.2 semi-finished assembly

EQ13 Main/Aux Antenna



2. Active parameters



2.1 Active data reports

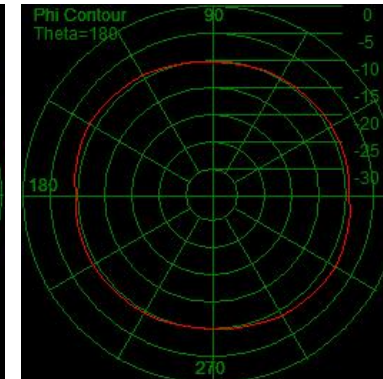
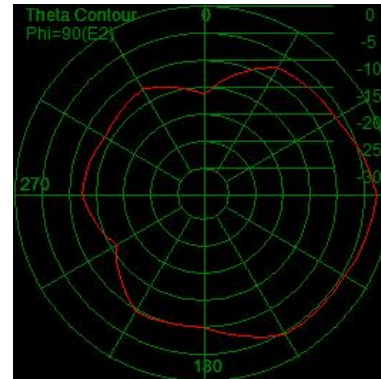
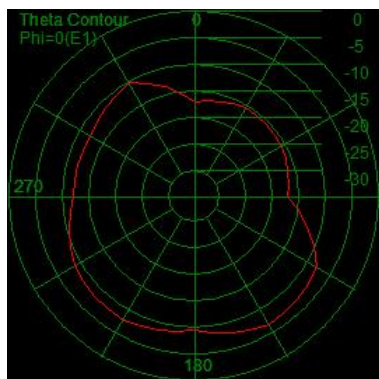
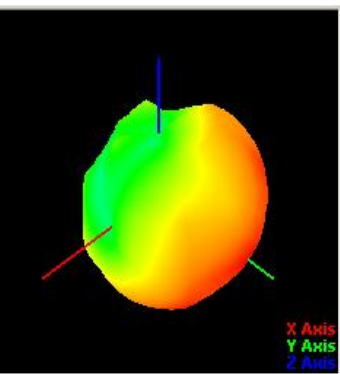
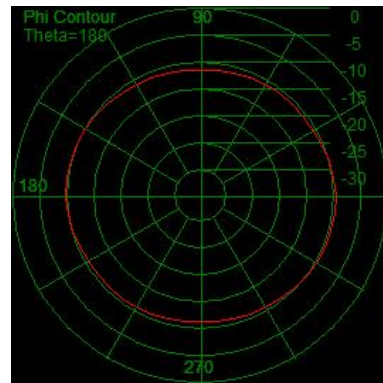
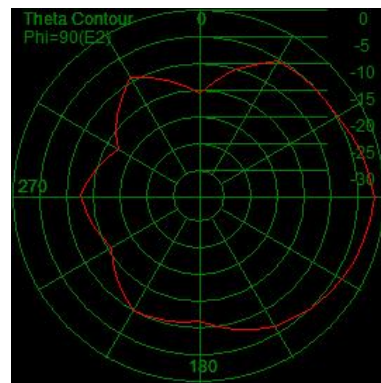
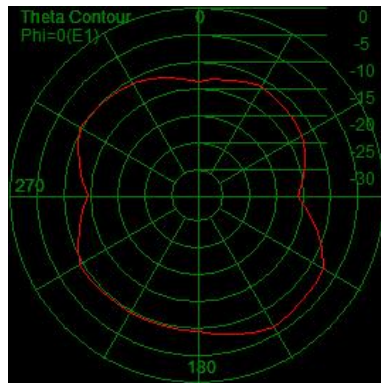
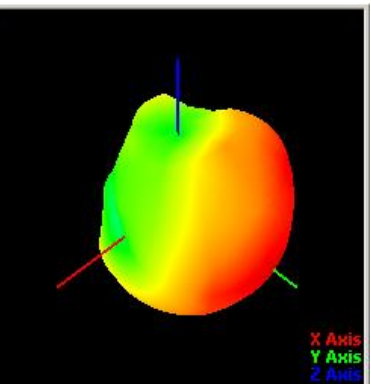
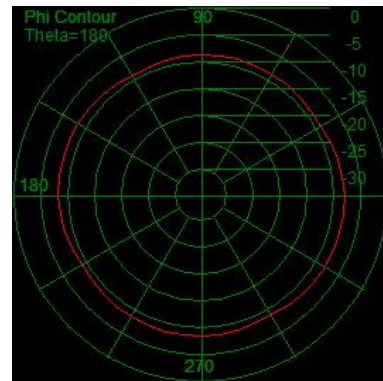
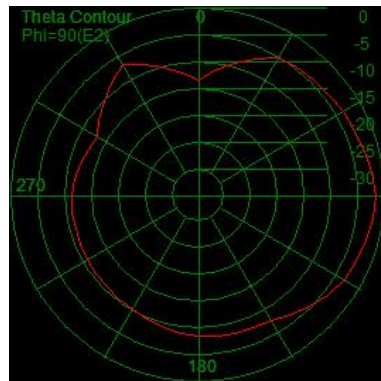
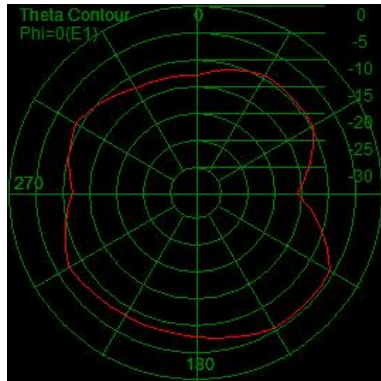
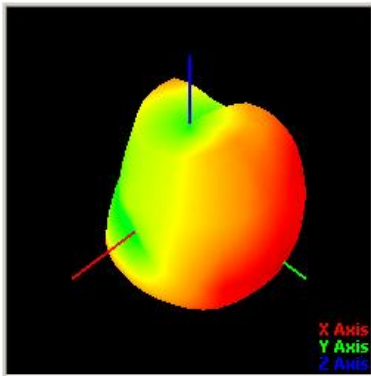
Test Point ID	Freq. (MHz)	Gain (dBi)	Efficiency (%)
1	2400.0	-1.82	20.3%
2	2410.0	-2.10	18.9%
3	2420.0	-1.97	18.9%
4	2430.0	-1.95	18.1%
5	2440.0	-2.03	17.3%
6	2450.0	-2.05	16.6%
7	2460.0	-1.98	16.6%
8	2470.0	-2.19	15.9%
9	2480.0	-2.25	16.0%
10	2490.0	-2.93	14.8%
11	2500.0	-3.04	15.3%
12	5100.0	2.22	39.1%
13	5135.0	1.57	34.9%
14	5170.0	1.31	33.6%
15	5205.0	1.09	35.7%
16	5240.0	1.09	33.9%
17	5275.0	1.24	33.2%
18	5310.0	1.15	32.9%
19	5345.0	0.66	32.0%
20	5380.0	0.24	31.1%
21	5415.0	-0.03	31.3%
22	5450.0	-0.24	31.0%
23	5485.0	0.33	31.7%
24	5520.0	0.40	32.0%
25	5555.0	0.50	30.4%
26	5590.0	0.79	31.8%
27	5625.0	1.64	34.2%
28	5660.0	1.39	32.4%
29	5695.0	1.53	33.1%
30	5730.0	2.11	33.5%
31	5765.0	1.43	30.0%
32	5800.0	0.84	29.2%

MAIN ANT

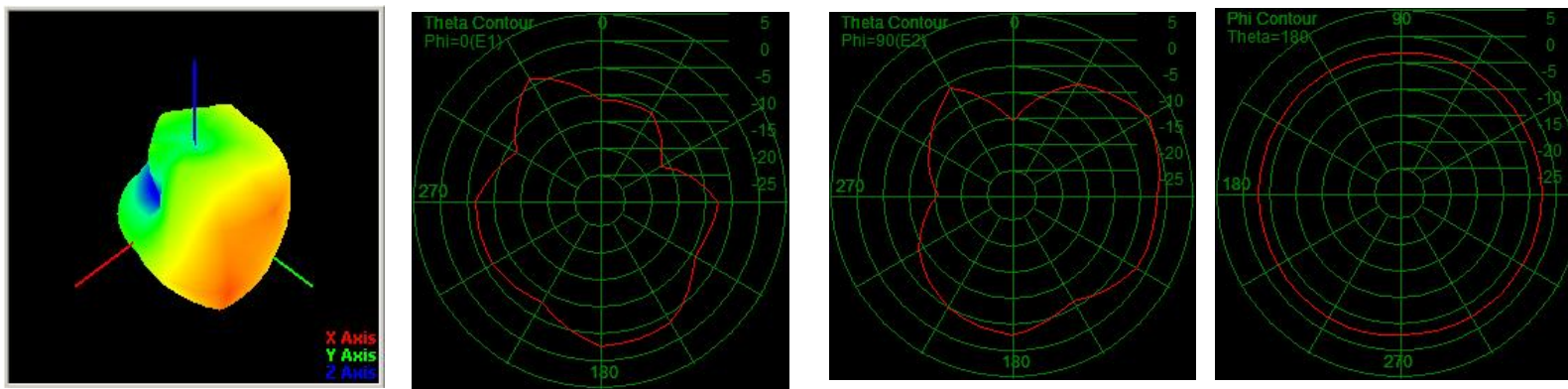
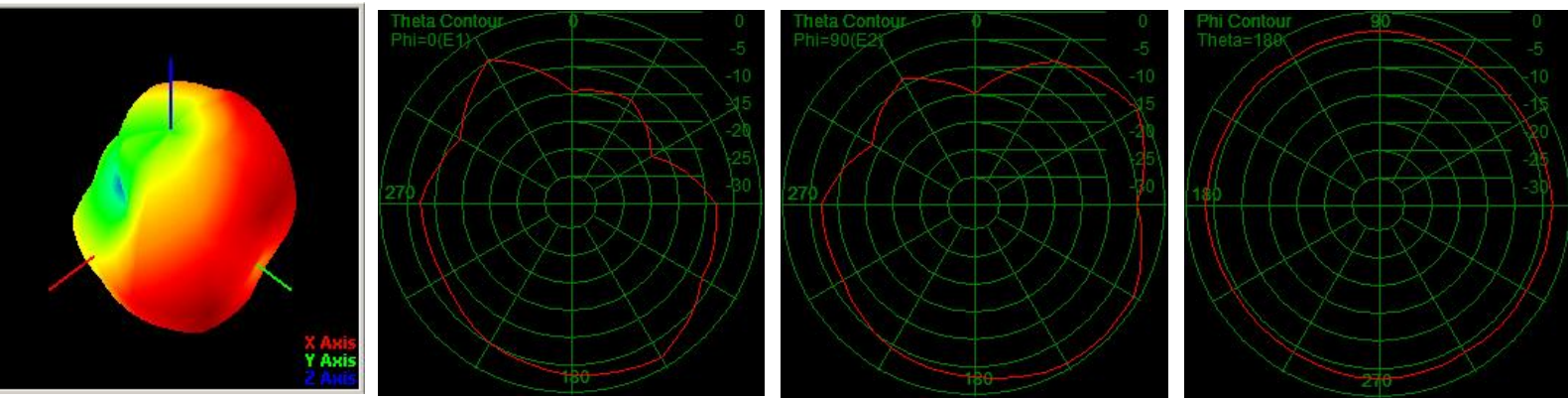
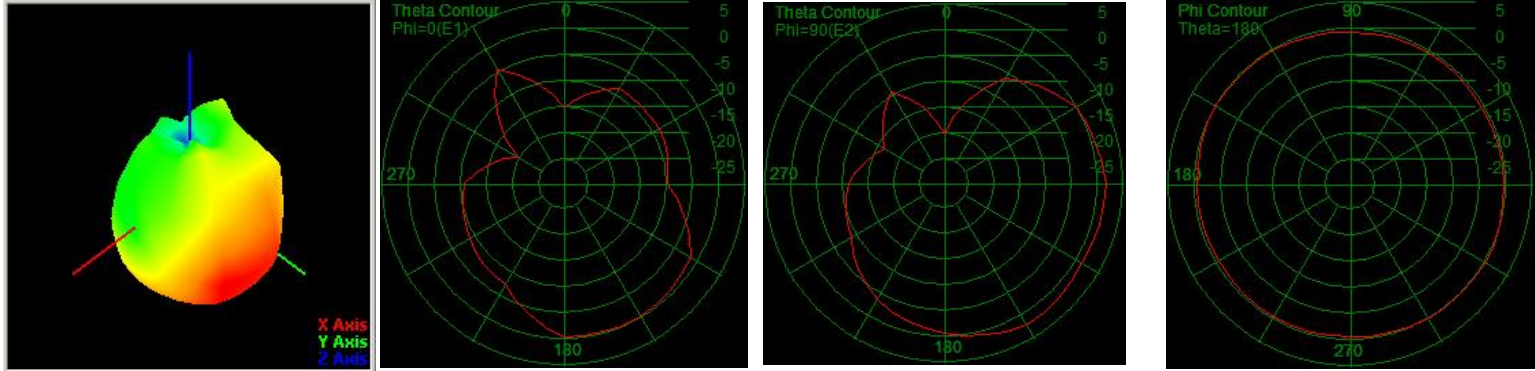
Test Point ID	Freq. (MHz)	Gain (dBi)	Efficiency (%)
1	2400.0	-0.48	22.0%
2	2410.0	-0.58	19.9%
3	2420.0	-0.55	18.7%
4	2430.0	-0.66	17.3%
5	2440.0	-0.89	16.1%
6	2450.0	-1.01	15.8%
7	2460.0	-0.96	16.8%
8	2470.0	-1.27	16.7%
9	2480.0	-1.08	18.5%
10	2490.0	-1.14	18.7%
11	2500.0	-0.89	20.9%
12	5100.0	3.30	35.5%
13	5135.0	3.21	32.3%
14	5170.0	3.22	31.0%
15	5205.0	3.54	33.3%
16	5240.0	3.31	32.3%
17	5275.0	3.16	32.1%
18	5310.0	3.12	33.1%
19	5345.0	3.05	32.9%
20	5380.0	2.71	32.8%
21	5415.0	3.05	34.0%
22	5450.0	2.48	33.7%
23	5485.0	2.33	33.7%
24	5520.0	1.80	32.8%
25	5555.0	0.86	30.6%
26	5590.0	1.24	32.0%
27	5625.0	0.79	31.7%
28	5660.0	0.32	30.0%
29	5695.0	-0.14	28.0%
30	5730.0	0.26	27.3%
31	5765.0	-0.70	22.6%
32	5800.0	-0.16	21.2%

AUX ANT

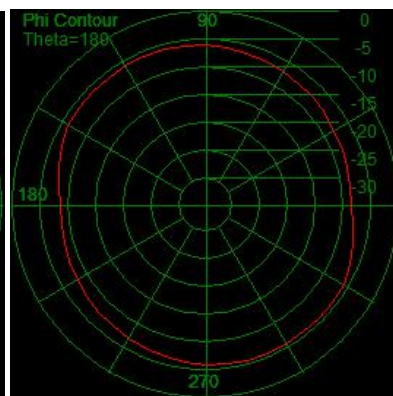
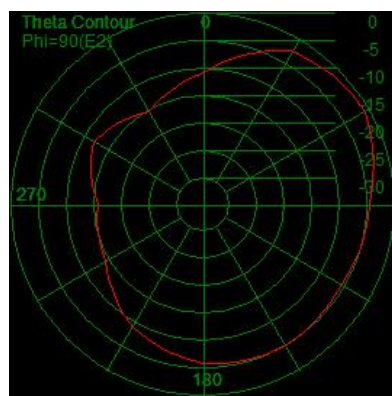
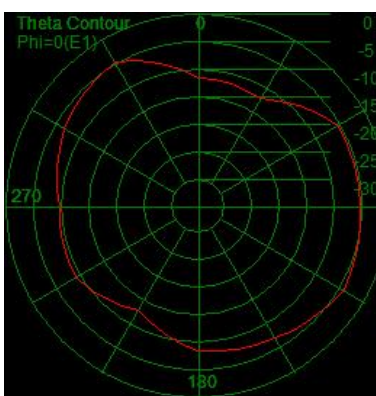
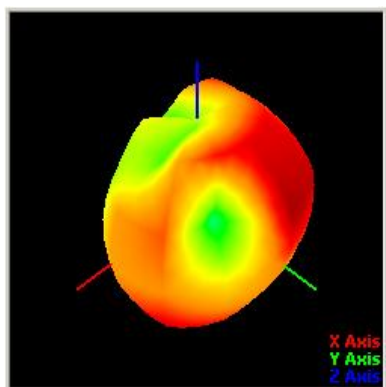
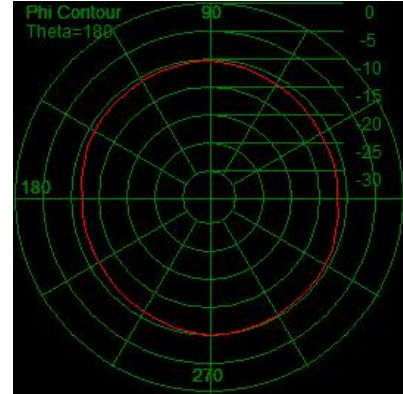
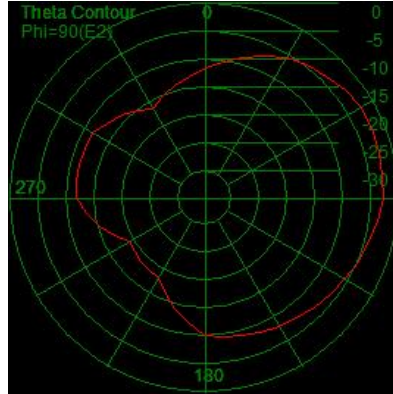
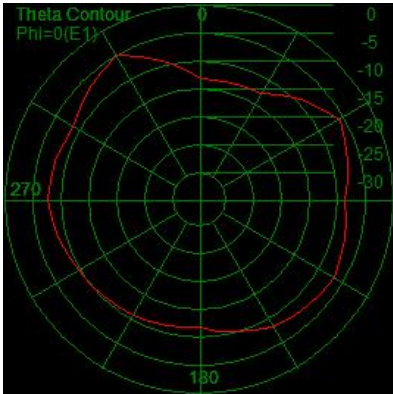
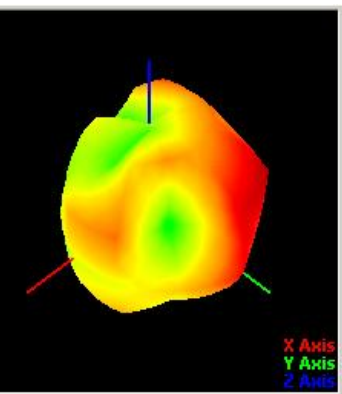
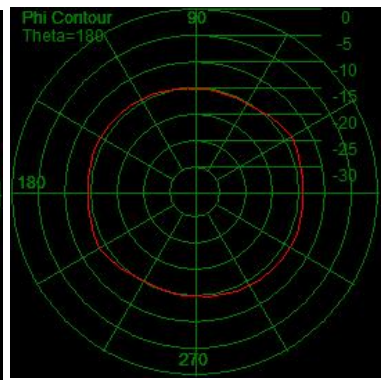
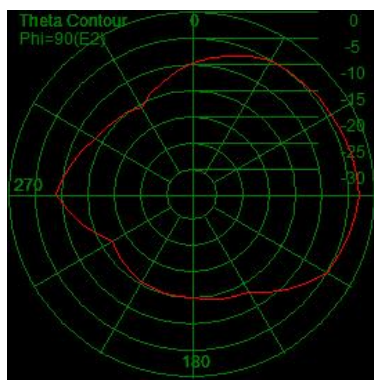
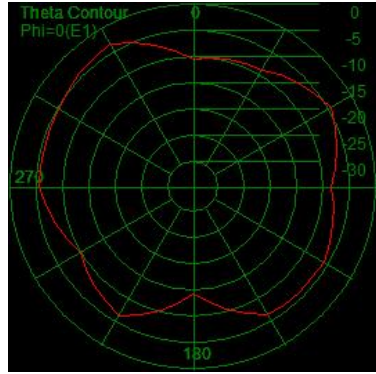
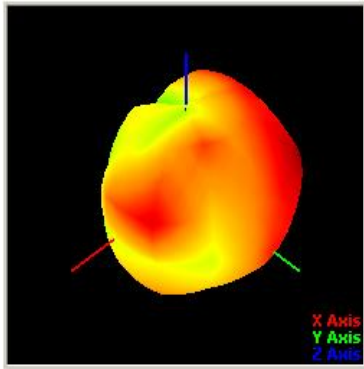
MAIN 2400-2500MHz



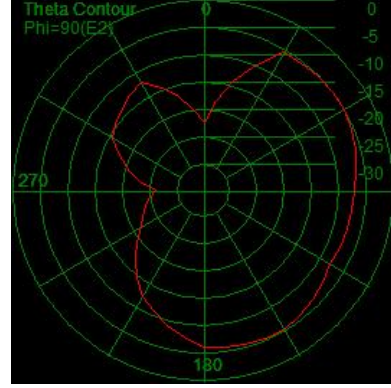
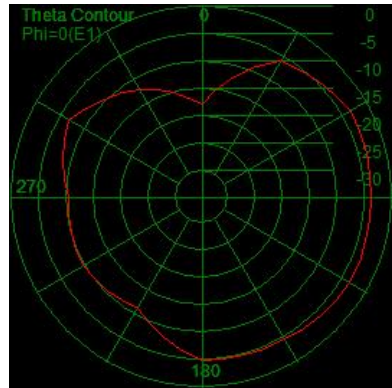
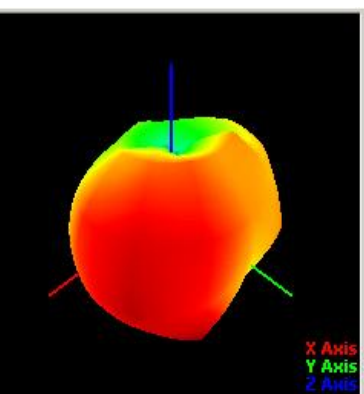
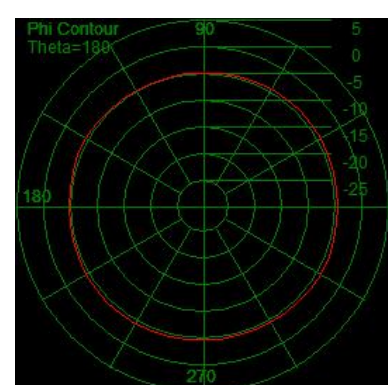
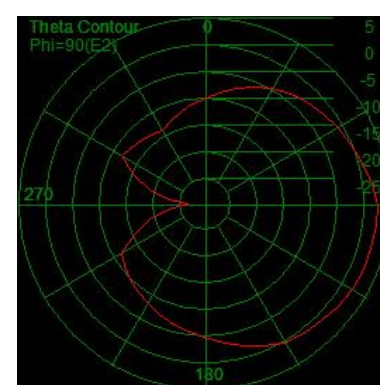
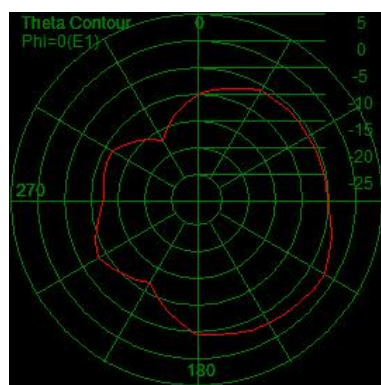
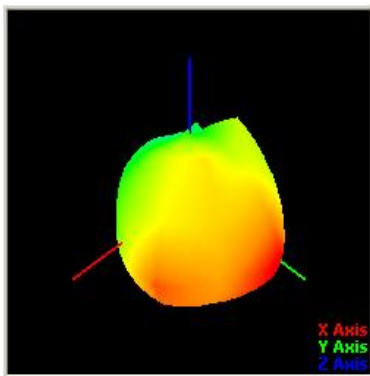
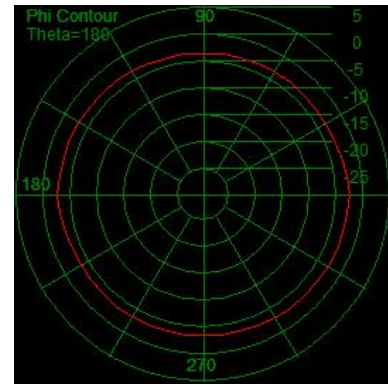
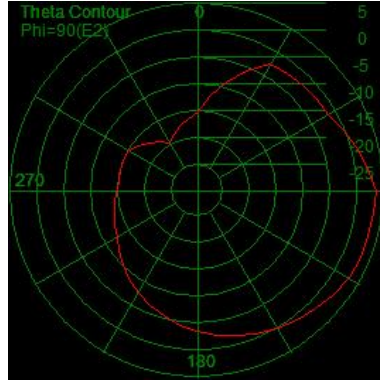
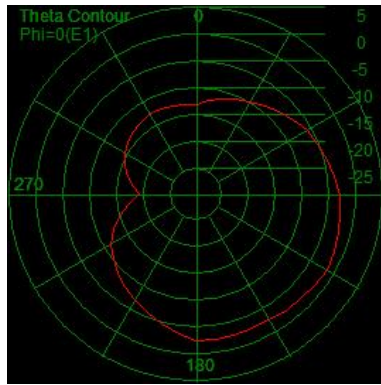
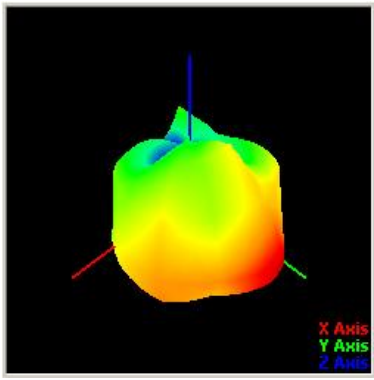
MAIN 5150~5850MHz



AUX 2400~2500MHz



This document is a confidential document of Dongguan Meijin Communication Technology Co., Ltd., which shall not be transmitted externally. Dongguan Meijin Communication Technology Co., Ltd. has the full right to interpret the contents of the document



IV. Salt spray test report

Test Date: January 22, 2024 Test No.: {TPWL} 20240122701April						
Test time: January 2010:00 to January 2210:00 Total: <u>48</u> hour (Spray time) Test is interrupted, due to: No interruption						
1. Quality of sodium chloride		50g/L				
2. Distilled water quality		purified water for drinking				
3. Spray Strap:		1.0-2.0 mL/80cm/h				
	3.1 Spray volume	1.0-2.0 mlh				
	3.2 Specific gravity or concentration of the collected solution at room temperature	1.0258-1.0443				
	3.3 PH	Between the lines of 6.5 and 7.2				
4. Sample:						
	4.1 Species	FPC				
	4.2 Shape	oblong				
	4.3 Scale	(36*12.67) (36*13.49)				
	4.4 Number	2PCS				
5. Compressed air pressure		1±0.01Kgf/cm ²				
6. Relative humidity of the laboratory		More than 85%				
7. Laboratory temperature		35±1 •C				
8. Pressure bucket temperature		47±1 C				
9. Salt bucket temperature		35±1 C				
10. Other		C				
OK	judge:	1. According to other methods: The test product is normally visually visible slight corrosion <corrosion area and judgment grade>, but the corrosion area is not small, judged qualified			At level 7, it is negligible	
		Corrosion level	Degree of surface corrosion	Corrosion level		Degree of surface corrosion
		0	The rust area is nearly 100%	4		The rust area is nearly 10%
		1	The rust area is nearly 5 0%	5		The rust area is nearly 5%
		2	The rust area is nearly 3 0%	6		The rust area was nearly 3%
		3	The rust area was nearly 1 5%	7		The rust area is nearly 1%
Tester: Zhang Ningting reviewed by: Li Daoping 2024.01.22						

5. High and low temperature test report

Test report for high and low temperature test

Report number: TXWLQA20240130302 Date: 2024-01-22

product name	EQ13	Inspection department	research and development	P / N		Number of samples	2PCS
date of test	On January 20	proving time	48H	begin	At 10:00 on that day	client	
				finish	January 22nd at 10:00	supplier	The beauty of jin
measuring and test instruments	Program stant temperature and humidity test machine			Instrument number	TPWL-PG-HS001-051		
condition of experiment	High temperature of 80 + / -2°C			High temperature of -40 + / - 2°C			
proving time	24H			24H			
test method	Store the product in a high temperature environment of 80 + / -2°C for 24H, and then in a low temperature environment of -40 + / -2°C. After the completion of the test, the product is placed over 2H in a normal temperature environment for appearance inspection						
requirement	No cracks, obvious deformation, falling off, FPC warping, electrical performance test passed and qualified						
end of test	The components have no cracks, obvious deformation, falling off, and FPC warping						
Determine the result	OK						

explain:

1. The operation standards for high and low temperature experiments shall be implemented in accordance with the national standard GB/T2424.5-2005 of the Republic of China.

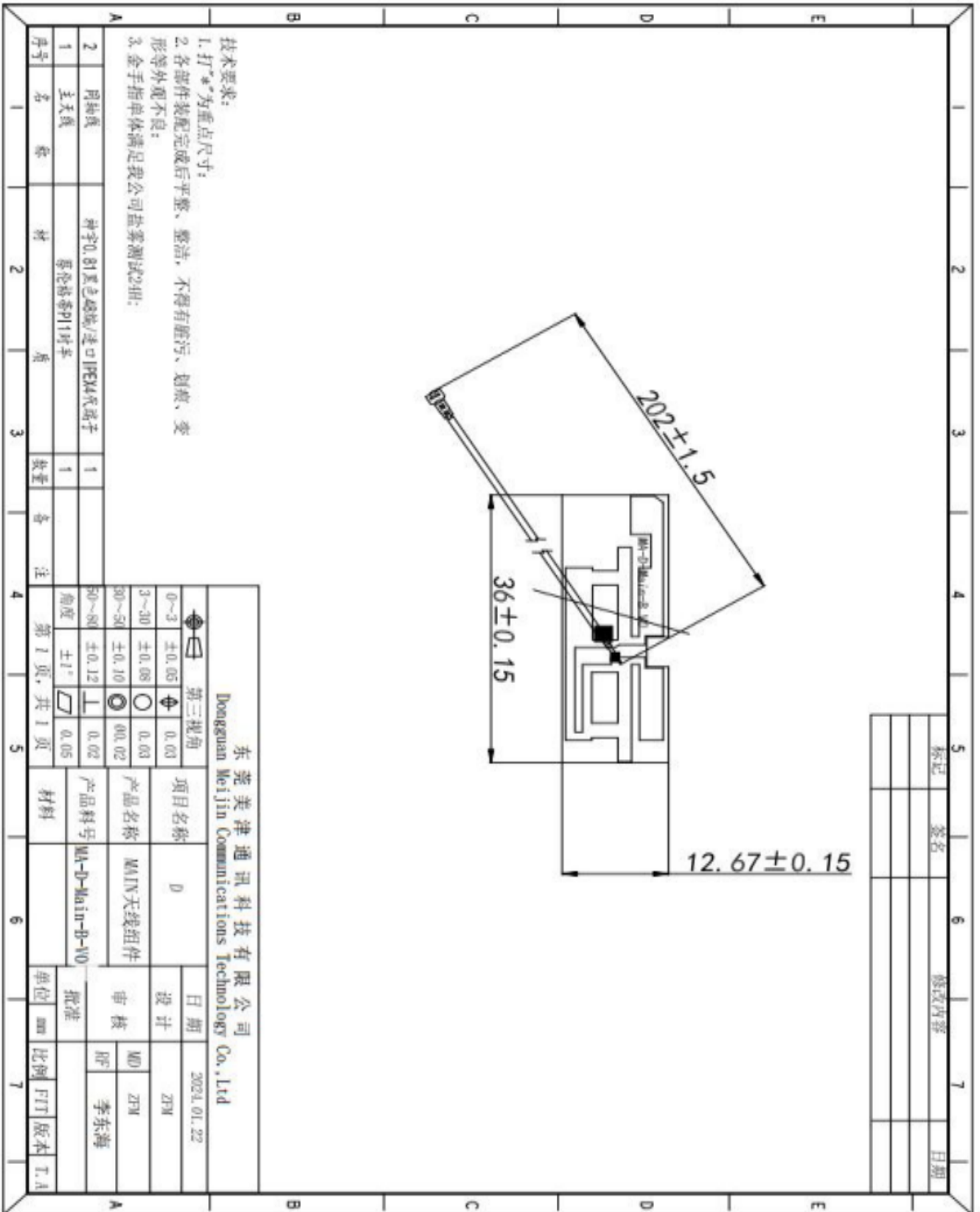
2. The appearance standard of the specimen shall be determined in accordance with the national standard of the Republic of China GB / T6461-02 standard.

ratify	examine and verify	test clerk
Li Daoping	Zhang Linting	Zhang Linxiu

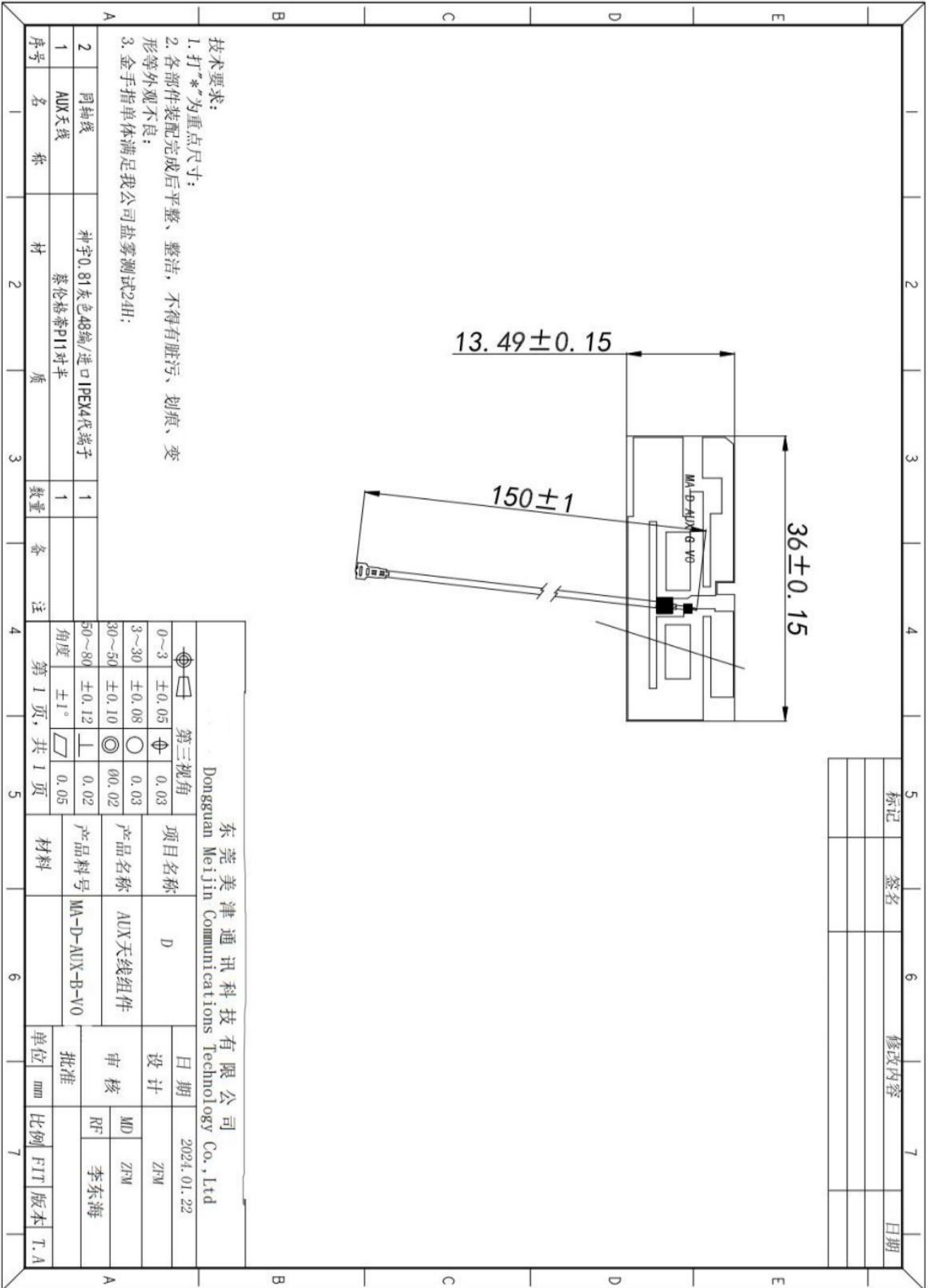
This document is a confidential document of Dongguan Meijin Communication Technology Co., Ltd., which shall not be transmitted externally. Dongguan Meijin Communication Technology Co., Ltd. has the full right to interpret the contents of the document

VII. Antenna size diagram

EQ13 MAIN Antenna Drawing



EQ13 AUX Antenna Drawing



- 技术要求:
1. 打*为重点尺寸;
 2. 各部件装配完成后平整、整洁,不得有脏污、划痕、变形等外观不良;
 3. 金手指单体满足我公司盐雾测试24H;

序号	名称	材	质	数量	备	注
2	同轴线	料字0.81灰色48编/进口	IPEX4代端子	1		
1	AUX天线	蔡伦格蒂P11对半		1		

第三视角 0~3 ± 0.05 ϕ 0.03 3~30 ± 0.08 ϕ 0.03 30~50 ± 0.10 ϕ 0.02		项目名称 D		日期 2024.01.22	
		产品名称 AUX天线组件		设计 ZFM	
角度 50~80 ± 0.12 \perp 0.02 角度 $\pm 1^\circ$ \square 0.05		产品料号 MA-D-AUX-B-V0		审核 MD ZFM RF 李东海	
第 1 页, 共 1 页		材料		批准 单位 mm 比例 FIT 版本 T.A	

东莞美津通讯科技有限公司
Dongguan Meijin Communications Technology Co., Ltd

5	6	7
标记	签名	日期
	修改内容	

VIII. Packaging Method (Example Figure)

manner of packing

First, the summary

Through different packaging materials, bundling methods to meet the safety and specifications of products or goods in transportation, so that the user can get a good experience; 2. ask

1. The user name, project name, model, special logo, etc. should be reflected on the packaging label;

2. It is necessary to describe the packaging method, packaging layer number and quantity during shipment in a clear way (such as drawing or example):

The packaging example illustrates the label information			
		B/B NO	0004000
		order number	P0202304130007
		material code	14.02.02060001 T4 Pro AUX Antenna Gray, 1.13 line diameter, 4 generations
		Material description	IPEX original terminal (welding and Sub-direction toward the top)
		quantity	50 Ass
		date of dispatch	202374
		G/S NO	identification card
		B/B NO	AZW
		Order No.	0004000
		material code	P0202304130007
		Material description	14.02.02060000 T4 Pro Main Antenna Black, 1.13 line diameter, 4- generation IPEX Original terminal (welding terminal force toward FPC, back adhesive surface) 0Qc
		quantity	1000
		date of dispatch	PASs 2023/4/21
		External box identification card	
		G/S NO	AZW
		B/B NO	0004000
		order number	P020230413000 External
		Material	7

Figure 1 for MAIN



Figure 2 Main Antenna 50 PCS (AUX antenna as above)



Figure 3 Multi-layer packaging (1 large bag, 20 small bags, with pearls between the large bags)



Cotton separation to prevent extrusion, collision.

Single large bag 1000 PCS for a total of 5

Figure 4 Protect the top surface and wait to be sealed sack.)

