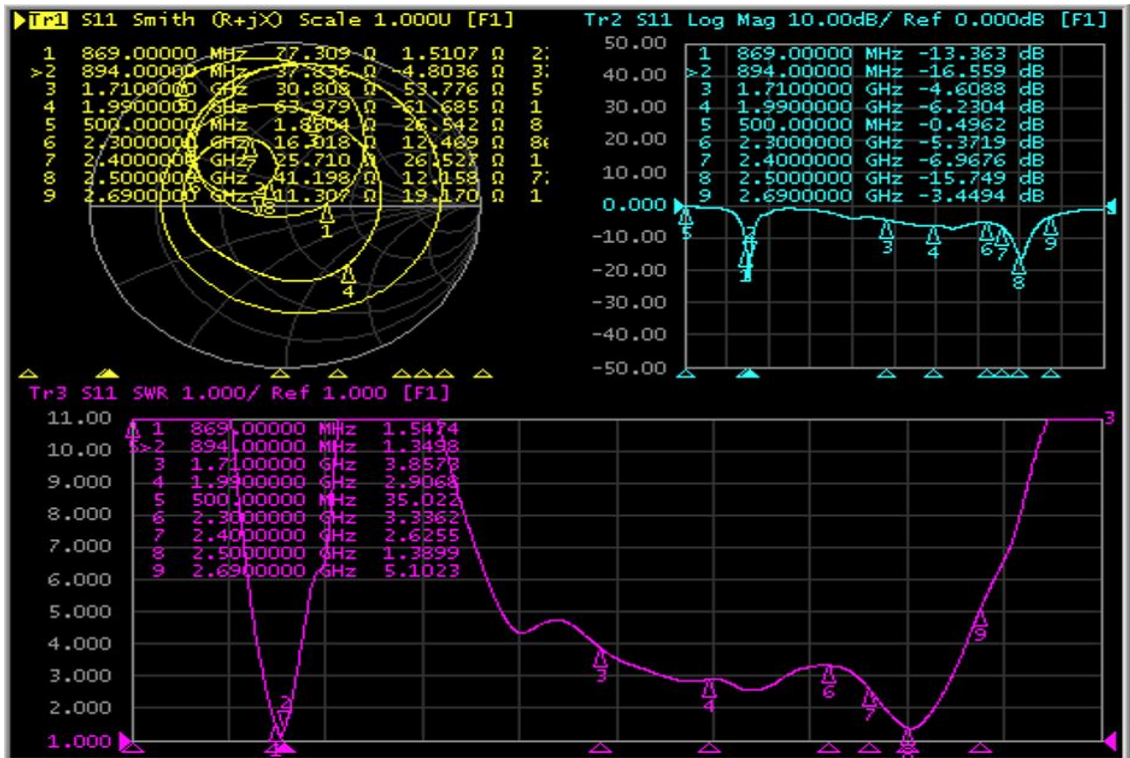
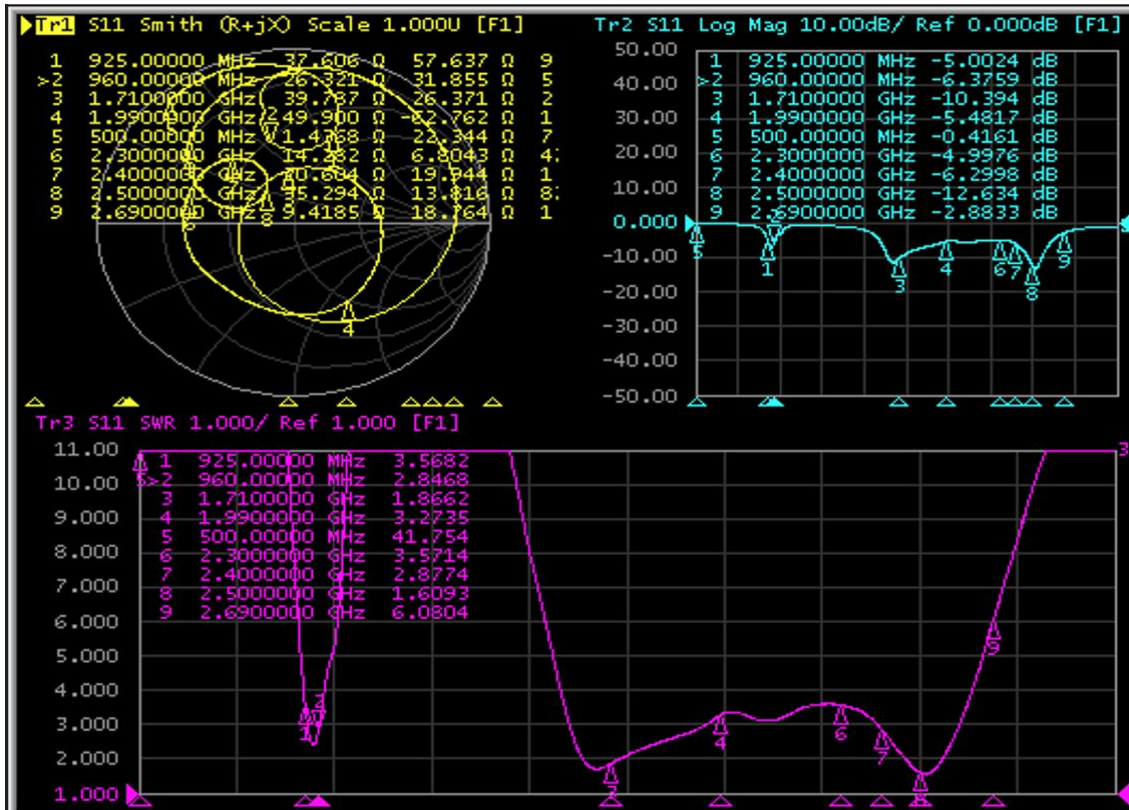


分集天线无源驻波-RF1: 0 欧姆:



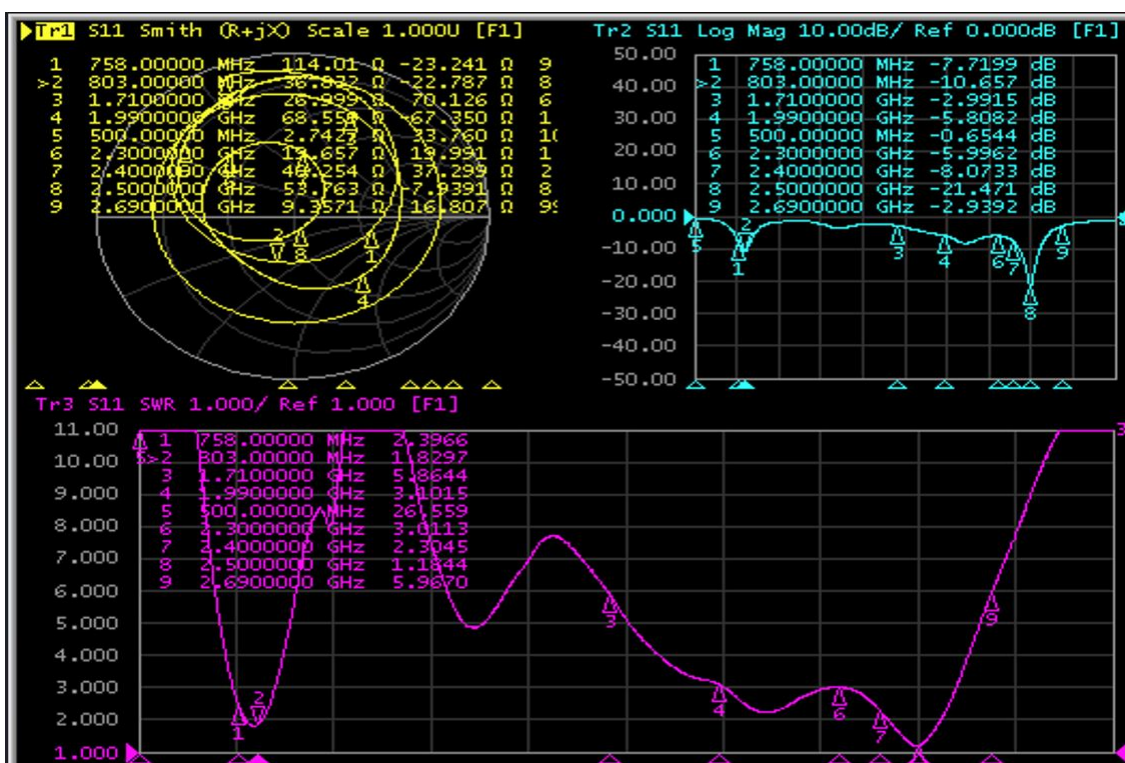
分集天线无源驻波-RF2: 6.8NH:



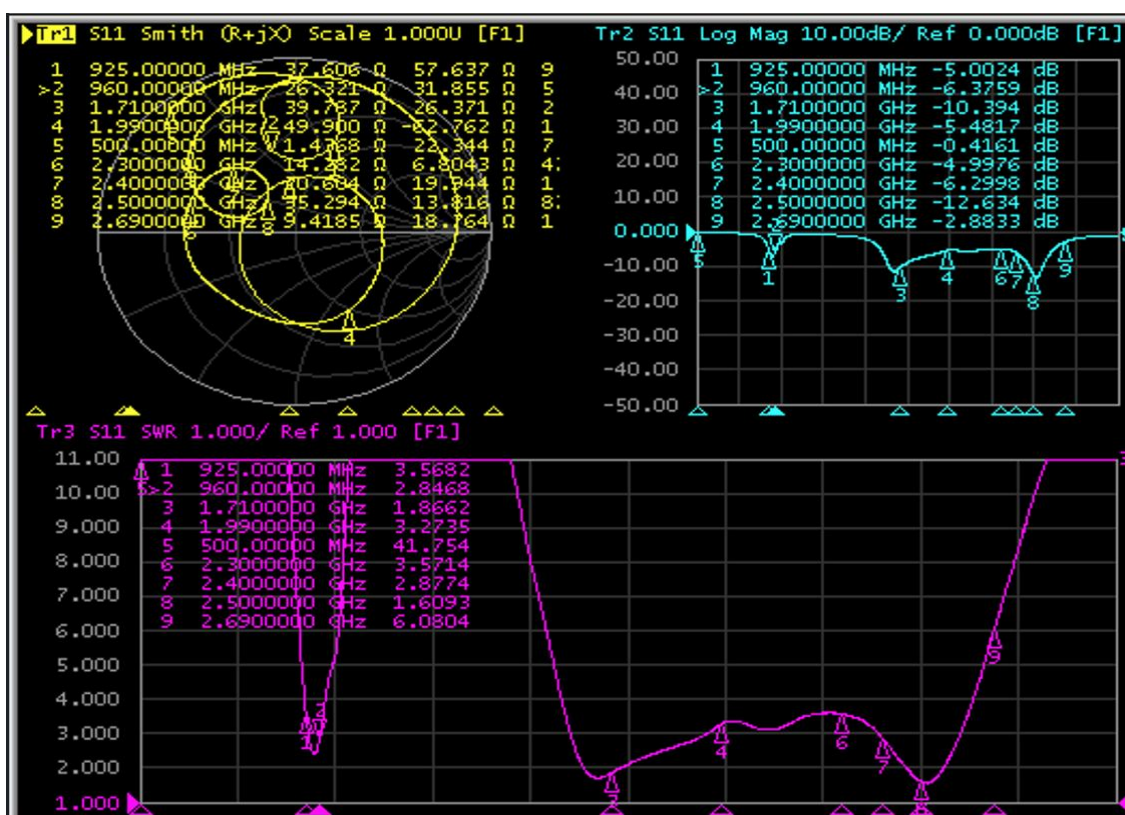
**Confidentiality requirements**

Shenzhen Daxian Technology Co., Ltd. already possesses the information provided by the proprietary technology, which should be strictly confidential and not allowed to be disclosed to any person or company without the prior written consent of Shenzhen Daxian Technology Co., Ltd

分集天线无源驻波-RF3: 15NH:



分集天线无源驻波-RF2: 6.8NH:

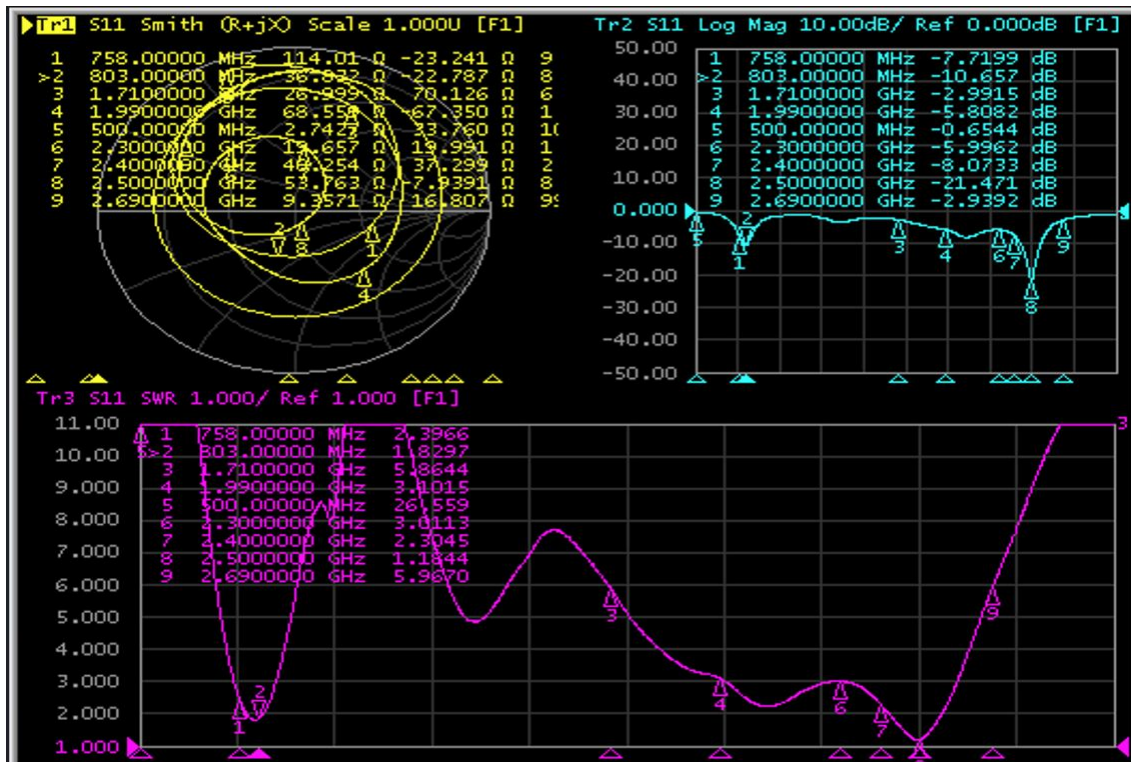


[www.Topant.com.cn](http://www.Topant.com.cn)  
Confidentiality requirements

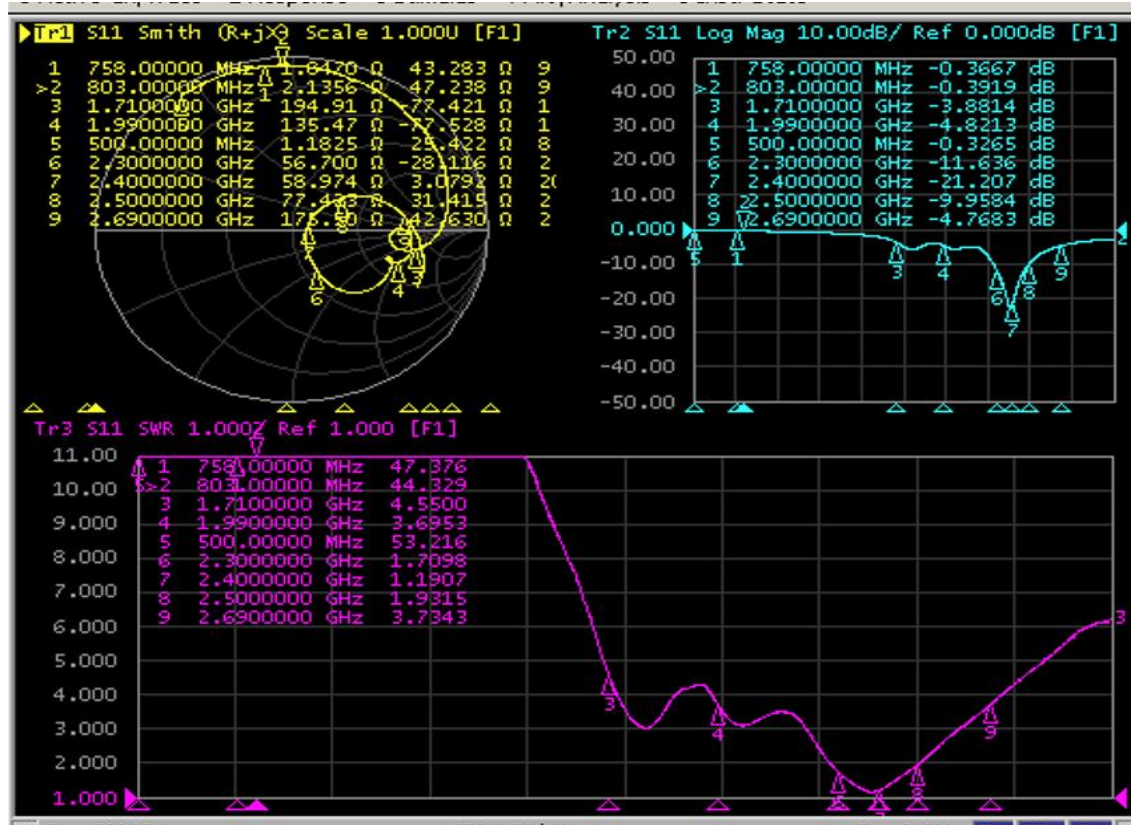
Shenzhen Daxian Technology Co., Ltd. already possesses the information provided by the proprietary technology, which should be strictly confidential and not allowed to be disclosed to any person or company without the prior written consent of Shenzhen Daxian Technology Co., Ltd



分集天线无源驻波-RF3: 15NH:



BT 天线无源驻波图:



Confidentiality requirements

Shenzhen Daxian Technology Co., Ltd. already possesses the information provided by the proprietary technology, which should be strictly confidential and not allowed to be disclosed to any person or company without the prior written consent of Shenzhen Daxian Technology Co., Ltd

## 5、实测结果 Actual results

FM 测试 FM test		
FM 测试环境 FM test environment	总搜台个数 Total number of search stations	播放音质清晰台个数 Number of stations with clear sound quality
办公室内 In the office	11	8
办公室窗台 Office bay window	18	15
BT 测试 BT test		
BT 测试环境 BT test environment	10 米	
办公室内 In the office	10 meters	

## 6、环境处理 environmental treatment



## 7、结论 conclusion

此天线是在客户提供样机基础上设计，电参数和结构性能已达到技术要求，请确认！

This antenna is designed based on the prototype provided by the customer. The electrical parameters and structural performance have met the technical requirements, please confirm!

[www.Topant.com.cn](http://www.Topant.com.cn)  
Confidentiality requirements

Shenzhen Daxian Technology Co., Ltd. already possesses the information provided by the proprietary technology, which should be strictly confidential and not allowed to be disclosed to any person or company without the prior written consent of Shenzhen Daxian Technology Co., Ltd

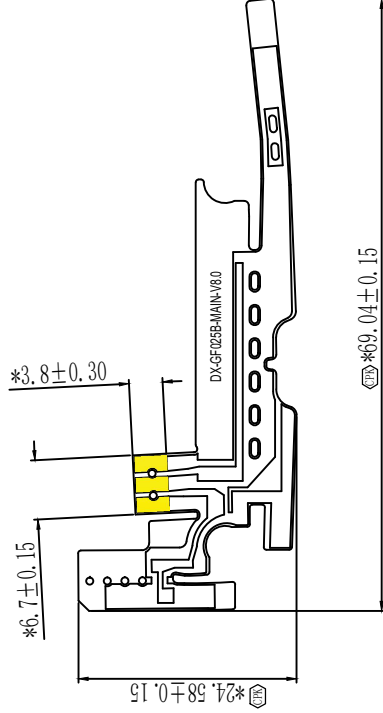
基材: 半对半 有胶电解铜; Base material: half pair half colloidal electrolytic copper

表面: 黑字; Surface: black letters

表面处理: 黑色油墨, Surface treatment Finish: black ink

镍2-6um; 金 $\geq 0.0125\mu\text{m}$ ; Nickel 2-6um; Gold  $\geq 0.0125\mu\text{m}$

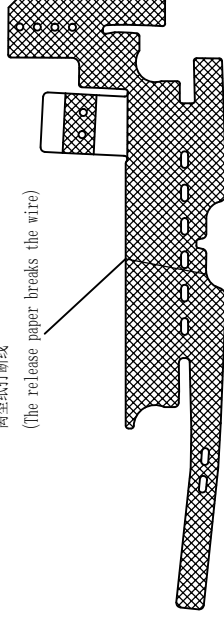
胶纸: TESM68905; Adhesive paper: TESM68905



### 正面

The right side

离型纸打断线  
(The release paper breaks the wire)



### 反面

Reverse side

#### Technical requirements:

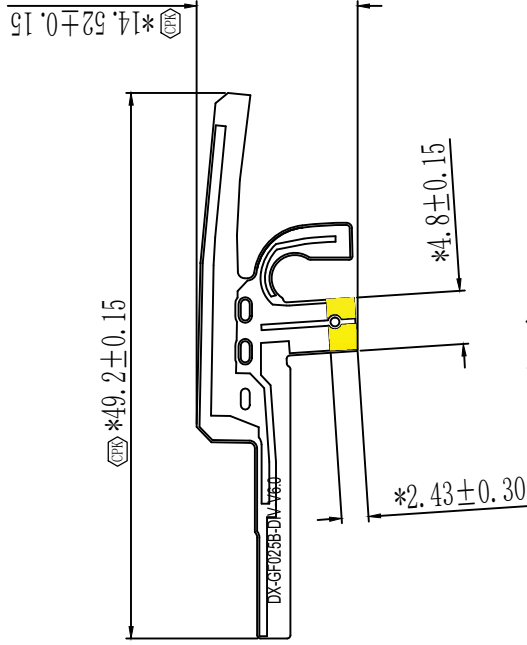
- The front side represents the PPC copper laying wire covering ink or covering film part.  
The back side represents the back collagen filling paper part;
- With "\*" size as the key size, with  $\varnothing$  need to do CPK size,  
"0" is the actual size,  $\Delta$  is the design change;  
Please refer to the tolerance table if no tolerance is specified;
- Clean surface, no dirt, no copper exposure, falling off and other bad;
- The red line "—" is the largest shape of the PPC, and the green line "—" is the antenna cable.  
The yellow line "—" is the release paper cutting line, and the blue line "—" is the antenna change mark;
- $\blacksquare$  is the gold-plated area,  $\blacksquare$  is the blue-backed area,  $\square$  is the hand-torn position of the deviated paper;  
5. Meet the salt spray test/adhesion test and other related reliability tests, according to our internal  
Reliability test standards, all materials are in line with our product environmental substances prohibited management standards;
- PPC incoming materials are made by the way of full plate;
- Product packaging must be clean and tidy, packaging process  
No folding of the product is allowed.

公差 (Tolerance)		规格 (Specification)		名称 (Name)		审核 (Check)		日期 (Date)	
长度 (Length)	$\pm 0.10$	规格 (Specification)	GF025B	名称 (Name)	R F	审核 (Check)	Kang Zhou	日期 (Date)	2024-02-26
宽度 (Width)	$\pm 0.15$	图框 (Picture frame)	BG-F026-110	名称 (Name)	结构 (Structure)	批准 (Give permission to)	Lei Zhang	日期 (Date)	2024-02-26
厚度 (Thickness)	$\pm 0.10$	比例 (Ratio)	1:1	名称 (Name)	1G-F026-110-1	日期 (Date)	Ruibin Zhou	日期 (Date)	2024-02-26
孔径 (Hole diameter)	$\pm 0.05$	单位 (Unit)	MM	名称 (Name)	结构 (Structure)	日期 (Date)	Ruibin Zhou	日期 (Date)	2024-02-26
孔径 (Hole diameter)	$\pm 0.10$	比例 (Ratio)	1:1	名称 (Name)	结构 (Structure)	日期 (Date)	Ruibin Zhou	日期 (Date)	2024-02-26
孔径 (Hole diameter)	$\pm 0.15$	单位 (Unit)	MM	名称 (Name)	结构 (Structure)	日期 (Date)	Ruibin Zhou	日期 (Date)	2024-02-26
孔径 (Hole diameter)	$\pm 0.30$	比例 (Ratio)	1:1	名称 (Name)	结构 (Structure)	日期 (Date)	Ruibin Zhou	日期 (Date)	2024-02-26
孔径 (Hole diameter)	$\pm 0.35$	单位 (Unit)	MM	名称 (Name)	结构 (Structure)	日期 (Date)	Ruibin Zhou	日期 (Date)	2024-02-26

深圳大显科技有限公司  
Shenzhen Daxian Technology Co., Ltd.

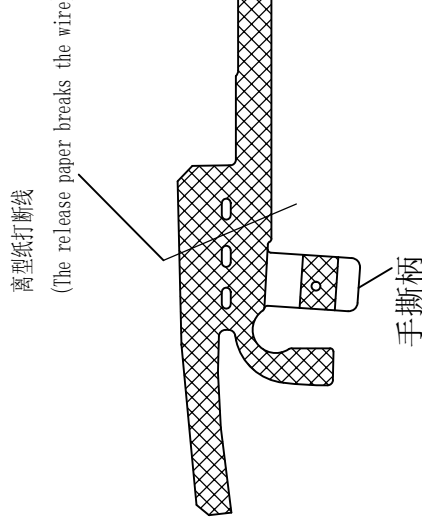


基材: 半对半 有胶电解铜; Base material: half pair half colloidal electrolytic copper  
表面: 黑字; Surface: black letters  
表面处理: 黑色油墨, Surface treatment Finish: black ink  
镍2-6um; 金≥0.0125um, Nickel 2-6um; Gold ≥0.0125um  
胶纸: TESM68905; Adhesive paper: TESM68905



正面

The right side



反面

Reverse side

Technical requirements:

- The front side represents the PPC copper laying wire covering ink or covering film part.  
The back side represents the back collagen filling paper part;
- With "\*" size as the key size, with "CPK" need to do CPK size,  
"0" is the actual size, "△" is the design change;  
Please refer to the tolerance table if no tolerance is specified;
- Clean surface, no dirt, no copper exposure, falling off and other bad;
- The red line "☐" is the largest shape of the PPC, and the green line "■" is the antenna cable.  
The yellow line "—" is the release paper cutting line, and the blue line "—" is the antenna change mark;
- "■" is the gold-plated area, "■" is the blue-backed area, "☐" is the hand-torn position of the deviated paper;  
5. Meet the salt spray test/adhesion test and other related reliability tests, according to our internal  
Reliability test standards, all materials are in line with our product environmental substances prohibited management standards;
- PPC incoming materials are made by the way of full plate;
- Product packaging must be clean and tidy, packaging process  
No folding of the product is allowed.

公差 (Tolerance)		材料 (Material)	名称 (Name)	DWI天线 (DWI antenna)	审核 (Check)	日期 (Date)
长宽(除以下说明的例外情形) (Length and width, except for the following cases)	±0.10	FR025B	R F	Xitian Chen	批准 (Give permission to)	Lei Zhang
除长宽外的其他尺寸 (Other dimensions except for length and width)	±0.15		结构 (Structure)	Ruibin Zhou	日期 (Date)	2024-02-26
起线到外形 (Line to shape)	±0.15					
起线到中心 (Line to center)	±0.05					
孔径 (Aperture)	±0.10	A				
孔径到外形 (Aperture to shape)	±0.15					
孔径到中心 (Aperture to center)	±0.10					
通孔到外形 (Through hole to shape)	±0.30					
通孔到中心 (Through hole to center)	±0.35					

图框 (Picture frame)	比例 (Ratio)	单位 (Unit)
A4	1:1	MM

第三视角 (Third perspective)

深圳大显科技有限公司  
Shenzhen Daxian Technology Co., Ltd.





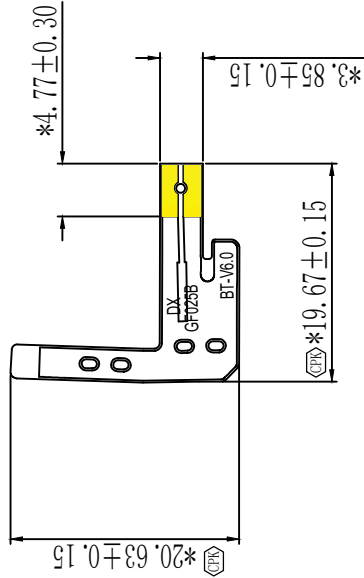
基材: 半对半 有胶电解铜; Base material: half pair half colloidal electrolytic copper

表面: 黑字; Surface: black letters

表面处理: 黑色油墨, Surface treatment Finish: black ink

镍2-6um; 金 $\geq 0.0125\mu\text{m}$ ; Nickel 2-6um; Gold  $\geq 0.0125\mu\text{m}$

胶纸: TESM68905; Adhesive paper: TESM68905

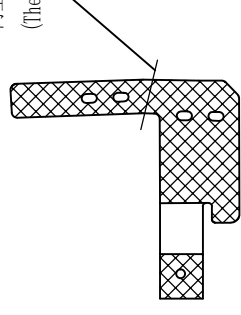


### 正面

The right side

离型纸打断线

(The release paper breaks the wire)



### 反面

Reverse side

#### Technical requirements:

- The front side represents the PPC copper laying wire covering ink or covering film part.
- The back side represents the back collagen filling paper part;
- With "\*" size as the key size, with  $\varnothing$  need to do CPK size, "\*" is the actual size,  $\Delta$  is the design change;
- Please refer to the tolerance table if no tolerance is specified;
- Clean surface, no dirt, no copper exposure, falling off and other bad;
- The red line "—" is the largest shape of the PPC, and the green line "—" is the antenna cable.
- The yellow line "—" is the release paper cutting line, and the blue line "—" is the antenna change mark;
- "—" is the gold-plated area, "—" is the blue-backed area, "—" and "—" is the hand-torn position of the deviated paper;
- Meet the salt spray test/adhesion test and other related reliability tests, according to our internal Reliability test standards, all materials are in line with our product environmental substances prohibited management standards;
- PPC incoming materials are made by the way of full plate;
- Product packaging must be clean and tidy, packaging process
- No folding of the product is allowed.

公差 (Tolerance)		材料 (Material)		名称 (Name)		审核 (Check)		日期 (Date)	
长度 (Length)	$\pm 0.10$	GF025B	名称 (Name)	明天线 (Tomorrow)	审核 (Check)	Kang Zhou	日期 (Date)	8	
宽度 (Width)	$\pm 0.15$	BG-F026-110	R F	Xitian Chen	批准 (Approve)	Lei Zhang			
起线到虚线 (Line to line)	$\pm 0.15$	1G-F026-110-3	结构 (Structure)	Ruibin Zhou	日期 (Date)	2024-02-26			
孔径 (Aperture)	$\pm 0.10$	A	图框 (Picture frame)	A4					
孔位中心距 (Hole center-to-center)	$\pm 0.15$	1:1	第三视角 (Third perspective)	MM					
通孔直径 (Through hole diameter)	$\pm 0.30$								
通孔壁厚 (Through hole wall thickness)	$\pm 0.35$								

深圳大显科技有限公司  
Shenzhen Daxian Technology Co., Ltd.

# 深圳市大显科技有限公司 Shenzhen Daxian Technology Co., Ltd.

## 物料清单

### Bill Of Material

客户Client: 沃特沃德 Waterward 机种Model: GF025B 项目编号project number: BG-F026-110 日期Date: 2024-01-27 编号Number: QR/RD-P01-10 版本version: A

序号 serial number	料号 material code	品名 name of an article	类型 type	版本 versi on	规格 specifications	材料 material	颜色 colour	单位 unit	用量 dosage	备注 remarks
1	1G-F026-110	机壳天线组件 Chassis Antenna Assembly	Z	A						三个天线贴在机壳上成品出货Three antennas affixed to the chassis for finished shipment
1	1G-F026-110-1	4G主天线4G main antenna	W	A	69.04*24.58*0.11	单面板 电解铜 半对半 黑油黑字 背胶 TESA68905 Single-panel electrolytic copper semi- semi-black oil and black letter adhesive TESA68905	黑色 black	pcs	1	微粘膜来料 Micromucosal incoming material
2	1G-F026-110-2	DIV分集天线 DIV diversity antenna	W	A	49.2*14.52*0.11	单面板 电解铜 半对半 黑油黑字 背胶 TESA68905 Single-panel electrolytic copper semi- semi-black oil and black letter adhesive TESA68905	黑色 black	pcs	1	微粘膜来料 Micromucosal incoming material
3	1G-F026-110-3	BT蓝牙天线 BT bluetooth antenna	W	A	20.63*19.67*0.11	单面板 电解铜 半对半 黑油黑字 背胶 TESA68905 Single-panel electrolytic copper semi- semi-black oil and black letter adhesive TESA68905	黑色 black	pcs	1	微粘膜来料 Micromucosal incoming material
4	机壳case	机壳case	W	A			黑色 black	pcs	1	客供guest post

类型typology: W: 外购outsourcing B: 自制self-restraint Z: 成品finished product

批准Approval: 侯明

审核audits: 侯明





# Shenzhen Daxian Technology Co. Ltd.

## Sample test report

Sample sending unit: Engineering

2024-2-29

product name		GF025B-MAIN antenna		Batch quantity		6 pcs		Category		<input type="checkbox"/> Mould parts <input type="checkbox"/> Material evaluation			
Material number		1G-F026-110-1		Number of modules						<input checked="" type="checkbox"/> Sample evaluation <input type="checkbox"/> Other			
Order No.	Picture specification	Gage	Test results								Super difference	Judge	
			One	Two	three	four	five	six	seven	eight		OK	NG
One	3.8±0.30	P	3.92	3.86	3.76	3.94	3.84	3.89			0	✓	
Two	6.7±0.15	P	6.74	6.68	6.66	6.74	6.75	6.72			0	✓	
three	69.04±0.15	P	69.01	69.08	69.10	68.99	69.02	69.07			0	✓	
four	24.58±0.15	P	24.61	24.55	24.63	24.59	24.60	24.57			0	✓	
five													
six													
seven													
eight													
nine													
ten													
elevn													
twelve													
thirteen													
fourteen													
Gage		Visual (E)    Calipers (C)    Micrometer (M)    Projector (P)    Thread gauge (Pg)										Final decision	
Code		Network analyzer (Ne)    Torsion meter (G)    A multimeter (Me)    Ruler (F)										<input checked="" type="checkbox"/> OK <input type="checkbox"/> NG	
Remarks:		AppearanceOK.											

Form number: QR/RD-P01-08

Approved: Hu Zi yin

Made: LI Chao Hua

# Shenzhen Daxian Technology Co. Ltd.

## Sample test report

Sample sending unit: Engineering

2024-2-29

product name		GF025B-DIV antenna		Batch quantity		6 pcs		Category		<input type="checkbox"/> Mould parts <input type="checkbox"/> Material evaluation			
Material number		1G-F026-110-2		Number of modules						<input checked="" type="checkbox"/> Sample evaluation <input type="checkbox"/> Other			
Order No.	Picture specification	Gage	Test results								Super difference	Judge	
			One	Two	three	four	five	six	seven	eight		OK	NG
One	2.43±0.30	P	2.52	2.55	2.41	2.47	2.40	2.57			0	✓	
Two	4.8±0.15	P	4.77	4.85	4.82	4.87	4.83	4.79			0	✓	
three	49.2±0.15	P	49.26	49.22	49.18	49.25	49.27	49.16			0	✓	
four	14.52±0.15	P	14.55	14.49	14.58	14.60	14.54	14.56			0	✓	
five													
six													
seven													
eight													
nine													
ten													
elevn													
twelve													
thirteen													
fourteen													
Gage		Visual (E)    Calipers (C)    Micrometer (M)    Projector (P)    Thread gauge (Pg)										Final decision	
Code		Network analyzer (Ne)    Torsion meter (G)    A multimeter (Me)    Ruler (F)										<input checked="" type="checkbox"/> OK <input type="checkbox"/> NG	
Remarks:		AppearanceOK.											

Form number: QR/RD-P01-08

Approved: Hu Zi yin

Made: LI Chao Hua

# Shenzhen Daxian Technology Co. Ltd.

## Sample test report

Sample sending unit: Engineering

2024-2-29

product name		GF025B-BT antenna		Batch quantity		6 pcs		Category		<input type="checkbox"/> Mould parts <input type="checkbox"/> Material evaluation			
Material number		1G-F026-110-3		Number of modules						<input checked="" type="checkbox"/> Sample evaluation <input type="checkbox"/> Other			
Order No.	Picture specification	Gage	Test results								Super difference	Judge	
			One	Two	three	four	five	six	seven	eight		OK	NG
One	4.77±0.30	P	4.80	4.90	4.72	4.88	4.79	4.92			0	✓	
Two	3.85±0.15	P	3.91	3.88	3.81	3.84	3.92	3.91			0	✓	
three	20.63±0.15	P	20.59	20.67	20.70	20.61	20.66	20.69			0	✓	
four	19.67±0.15	P	19.69	19.71	19.64	19.68	19.73	19.70			0	✓	
five													
six													
seven													
eight													
nine													
ten													
elevn													
twelve													
thirteen													
fourteen													
Gage		Visual (E)    Calipers (C)    Micrometer (M)    Projector (P)    Thread gauge (Pg)										Final decision	
Code		Network analyzer (Ne)    Torsion meter (G)    A multimeter (Me)    Ruler (F)										<input checked="" type="checkbox"/> OK <input type="checkbox"/> NG	
Remarks:		AppearanceOK.											

Form number: QR/RD-P01-08

Approved: Hu Zi yin

Made: LI Chao Hua



# Shenzhen DaXian Technology Co., Ltd.

**1. Basic information:**

Product Name: GF025B-MAIN antenna

Product no.: 1G-F026-110-1

Sample size : 30 pcs

Control paramete SIZP

**2. Data measurement:**

Test date: 24/Feb/24

ITEM \ NO.	NO.1	NO.2				
spec	69.04±0.15mm	24.58±0.15				
USL	69.19	24.73				
LSL	68.89	24.43				
μ	69.04	24.58				
MAX	69.100	24.650				
MIN	69.010	24.550				
1	69.05	24.60				
2	69.02	24.61				
3	69.04	24.60				
4	69.11	24.62				
5	69.10	24.63				
6	69.03	24.58				
7	69.06	24.59				
8	69.04	24.63				
9	69.07	24.57				
10	69.06	24.60				
11	69.07	24.59				
12	69.10	24.56				
13	69.01	24.62				
14	69.06	24.59				
15	69.03	24.56				
16	69.02	24.65				
17	69.09	24.62				
18	69.04	24.57				
19	69.04	24.65				
20	69.04	24.57				
21	69.01	24.65				
22	69.07	24.57				
23	69.08	24.57				
24	69.09	24.64				
25	69.08	24.59				
26	69.06	24.59				
27	69.08	24.59				
28	69.02	24.63				
29	69.02	24.58				
30	69.04	24.55				

**3. Data calculation:**

No.	No.1	No.2				
Average	69.054	24.599				
σ	0.03	0.03				
Ca	0.10	0.13				
Cp	1.75	1.71				
CPK	1.58	1.50				

**4. Conclusion:**

THE CAPABILITY OF PROCESS IS PERFECT STATE, MAINTAIN ACTUALITY.

Approved: Yang Jin

Designed: Li Chaohua

# Shenzhen DaXian Technology Co., Ltd.

**1. Basic information:**

Product Name: GF025B-DIV antenna

Product no.: 1G-F026-110-2

Sample size : 30 pcs

Control paramete SIZP

**2. Data measurement:**

Test date: 27/Feb/24

ITEM \ NO.	NO.1	NO.2				
spec	49.20±0.15mm	14.52±0.15				
USL	49.35	14.67				
LSL	49.05	14.37				
μ	49.20	14.52				
MAX	49.270	14.600				
MIN	49.180	14.510				
1	49.22	14.54				
2	49.19	14.57				
3	49.26	14.60				
4	49.20	14.58				
5	49.25	14.53				
6	49.18	14.54				
7	49.23	14.58				
8	49.21	14.55				
9	49.26	14.56				
10	49.22	14.56				
11	49.26	14.54				
12	49.18	14.52				
13	49.26	14.59				
14	49.23	14.51				
15	49.19	14.54				
16	49.26	14.54				
17	49.18	14.56				
18	49.26	14.51				
19	49.20	14.55				
20	49.22	14.57				
21	49.22	14.53				
22	49.19	14.52				
23	49.22	14.53				
24	49.25	14.59				
25	49.27	14.56				
26	49.26	14.52				
27	49.21	14.58				
28	49.20	14.60				
29	49.20	14.58				
30	49.23	14.58				

**3. Data calculation:**

No.	No.1	No.2				
Average	49.224	14.554				
σ	0.03	0.03				
Ca	0.16	0.23				
Cp	1.71	1.86				
CPK	1.44	1.43				

**4. Conclusion:**

THE CAPABILITY OF PROCESS IS PERFECT STATE, MAINTAIN ACTUALITY.

Approved: Yang Jin

Designed: Li Chaohua

# Shenzhen DaXian Technology Co., Ltd.

**1. Basic information:**

 Product Name: GF025B- BT antenna

 Product no.: 1G-F026-110-3

 Sample size : 30 pcs

 Control paramete SIZP
**2. Data measurement:**

 Test date: 27/Feb/24

ITEM \ NO.	NO.1	NO.2				
spec	20.63±0.15mm	19.67±0.15				
USL	20.78	19.82				
LSL	20.48	19.52				
$\mu$	20.63	19.67				
MAX	20.710	19.750				
MIN	20.610	19.660				
1	20.63	19.68				
2	20.68	19.70				
3	20.67	19.70				
4	20.69	19.74				
5	20.62	19.72				
6	20.66	19.69				
7	20.67	19.67				
8	20.62	19.67				
9	20.63	19.74				
10	20.69	19.67				
11	20.66	19.70				
12	20.66	19.73				
13	20.67	19.69				
14	20.64	19.75				
15	20.64	19.68				
16	20.62	19.73				
17	20.65	19.66				
18	20.66	19.70				
19	20.61	19.72				
20	20.69	19.69				
21	20.71	19.71				
22	20.67	19.68				
23	20.67	19.69				
24	20.63	19.72				
25	20.68	19.70				
26	20.71	19.66				
27	20.63	19.74				
28	20.70	19.74				
29	20.63	19.67				
30	20.68	19.71				

**3. Data calculation:**

No.	No.1	No.2				
Average	20.659	19.702				
$\sigma$	0.03	0.03				
Ca	0.19	0.21				
Cp	1.75	1.88				
CPK	1.41	1.49				

**4. Conclusion:**

THE CAPABILITY OF PROCESS IS PERFECT STATE, MAINTAIN ACTUALITY.


Approved: Yang Jin

Designed: Li Chaohua



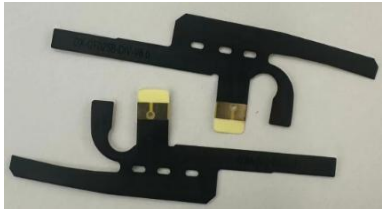
Salt spray test record

Number: QR/QC-WI09-01 version B

Test time in <u>2024-2-22 11:00</u> to <u>2024-2-24 11:00</u> total of <b>48</b> hours					
(spray time) if there is an interruption, the reason is:					
saline test: test room temperature 35 degrees Celsius, saturated air barrel temperature 47 DEG C corrosion test: test room temperature 35 degrees Celsius, saturated air barrel temperature 47 DEG C					
1 sodium chloride quality	<b>99.50%</b>		2 pure water quality	<b>Pure water</b>	
3 spray to take the pH value	<b>Pre atomization 6.5~7.2</b>		4 test solution pH value	<b>6.0</b>	
5 gauge	<b>1.0 Kgf/cm</b>		6 relative humidity in laboratory	<b>30%</b>	
7 test chamber temperature	<b>35 °C</b>		8 pressure barrel temperature	<b>47 °C</b>	
9 brine concentration	<b>5±0.1 %</b>		10 other		
Supplier name	Product name	Sample quantity	Test sample	Test result	Judging basis
<i>Daxian</i>	gf025B MAIN antenna	<i>2pcs</i>		<i>Qualified</i>	According to GB6461-2002 standard
Decision: 1 according to the standard sample 2 in accordance with GB6461-2002 standards 3 according to the determination of the sample of the bad limit 4 judging by other methods					
Remarks:					


Salt spray test record

Number: QR/QC-WI09-01 version B

Test time in <u>2024-2-22 11:00</u> to <u>2024-2-24 11:00</u> total of 48 hours					
(spray time) if there is an interruption, the reason is:					
saline test: test room temperature 35 degrees Celsius, saturated air barrel temperature 47 DEG C corrosion test: test room temperature 35 degrees Celsius, saturated air barrel temperature 47 DEG C					
1 sodium chloride quality	99.50%		2 pure water quality	Pure water	
3 spray to take the pH value	Pre atomization 6.5~7.2		4 test solution pH value	6.0	
5 gauge	1.0 Kgf/cm		6 relative humidity in laboratory	30%	
7 test chamber temperature	35 °C		8 pressure barrel temperature	47 °C	
9 brine concentration	5±0.1 %		10 other		
Supplier name	Product name	Sample quantity	Test sample	Test result	Judging basis
Daxian	gf025B DIV antenna	2pcs		Qualified	According to GB6461-2002 standard
Decision: 1 according to the standard sample 2 in accordance with GB6461-2002 standards 3 according to the determination of the sample of the bad limit 4 judging by other methods					
Remarks:					

Salt spray test record

Number: QR/QC-WI09-01 version B

Test time in <u>2024-2-22 11:00</u> to <u>2024-2-24 11:00</u> total of <b>48</b> hours					
(spray time) if there is an interruption, the reason is:					
saline test: test room temperature 35 degrees Celsius, saturated air barrel temperature 47 DEG C corrosion test: test room temperature 35 degrees Celsius, saturated air barrel temperature 47 DEG C					
1 sodium chloride quality	<b>99.50%</b>		2 pure water quality	<b>Pure water</b>	
3 spray to take the pH value	<b>Pre atomization 6.5~7.2</b>		4 test solution pH value	<b>6.0</b>	
5 gauge	<b>1.0 Kgf/cm</b>		6 relative humidity in laboratory	<b>30%</b>	
7 test chamber temperature	<b>35 °C</b>		8 pressure barrel temperature	<b>47 °C</b>	
9 brine concentration	<b>5±0.1 %</b>		10 other		
Supplier name	Product name	Sample quantity	Test sample	Test result	Judging basis
<i>Daxian</i>	gf025B BT antenna	<i>2pcs</i>		<i>Qualified</i>	According to GB6461-2002 standard
Decision: 1 according to the standard sample 2 in accordance with GB6461-2002 standards 3 according to the determination of the sample of the bad limit 4 judging by other methods					
Remarks:					



## QC工程图 QC Engineering Drawing

客户Client: (订单order)	品名: 手机天线 brand name: cell phone antenna	版本号次 Version
机种类型Type of machine: FPC	编号: serial number:	A.0
文件编号Document number: DX/WI-QC-42		页次page: 1/1

流程图 flow chart	工序名称 Process name	仪器设备 Process name	管制项目 Control items	参考标准/指导书 Reference standards/guidance	检验方法 Test Methods	表单/记录 Forms/records	担当 take upon oneself
1	进料 infeed	电子称 electronic weighing scale	数量、品名、规格标识 Quantity, product name, specification identification、	进料检验基准书、采购订单 Incoming Material Inspection Datasheets, Purchase Orders	抽检 (数量) Sampling (number)	验收单 an inventory of received goods	仓管员/IQC Warehouse Supervisor/IQC
2	进料检验 Feed Inspection	卡尺、二次元、盐雾机 Calipers, secondary elements, salt spray machine	外观、尺寸、可靠性 Appearance, dimensions, reliability	进料检验基准书 Feed inspection reference book	抽 检 sampling	IQC进料检验报告 IQC incoming material inspection report	IQC
3	入库 store	电子称 electronic weighing scale	数量、品名、规格标识 Quantity, product name, specification identification、	作业指导书、规范 Operating instructions, specifications	全 检 full inspection	台帐 ledger	仓管员 warehouse controller
4	领料 receiving materials	电子称 electronic weighing scale	数量、品名 Quantity, product name	作业指导书 work instruction	全 检 full inspection	领料单 material requisition form	仓管员、生产领料员 warehouse controller Production Leader
5	换包装repackaging	人工作业 manual work	数量、品名、标识 Quantity, name, marking	作业指导书 work instruction	全 检 full inspection	生产日报表 production daily sheet	作业员 operator
6	FQC检验 FQC Inspection	目视 visual	外 观 view sth from the outside	FQC、OQC作业规范 FQC, OQC operation specification	抽 检或全 检 Sampling or full inspection	FQC送检记录 FQC Inspection Record	FQC
7	包装 wrap	打包机 baler	数量、品名、标识 Quantity, name, marking	作业指导书 work instruction	全 检 full inspection	生产日报表 production daily sheet	作业员 operator
8	入库 store	手推车 carts	数量、品名、标识 Quantity, name, marking	作业指导书 work instruction	作业指导书 work instruction	入库单 inventory list	仓管员/生产 Warehouse Clerk/Production
9	OQC检验 OQC Inspection	卡尺、二次元Calipers, secondary elements	尺寸、外观、 Size, appearance、	成品检验基准书要、图面、样品 Finished product inspection reference books, drawings, samples	抽 检或全 检 Sampling or full inspection	OQC检验报告 OQC inspection report	OQC
10	出货 extract	卡车 trucks	数量、品名、标识 Quantity, name, marking	作业指导书 work instruction	作业指导书 work instruction	送货单 delivery note	业务/仓管员 Operations/Warehouse Clerk

**备注:** 参照《天线结构设计规范初稿》中的天线结构种类及我司天线产品实际的种类, 将QC工程图按天线结构大类整合区分作以通用指引, 单个FPC、辐射片作为天线的结构比较简单, 只作来料检验后包装后出货的不作QC工程图。QC工程图作为检验和生产指引性文件须与工程图纸、作业指导书、检验指导书、样品等支持。  
Remarks: With reference to the antenna structure design specification in the preliminary draft of the antenna structure type and our antenna products actual type, the QC engineering diagrams according to the antenna structure of the major categories of integration and differentiation for the general guidelines, single FPC, radiator as the structure of the antenna is relatively simple, only for the incoming inspection and after the packaging and shipment of the QC engineering diagrams are not used as QC engineering drawings. The QC engineering drawings as inspection and production guidance documents must be supported with engineering drawings, operation instructions, inspection instructions, samples and so on.

符号说明 Symbol Description	数量检查 Quantity check	品质检验 Quality Inspection	编写日期 Quality Inspection	修定日期 Date of revision	批准 license	校对 calibrate	编写 compile
	工作站作业 workstation operation	保 存Preservation	2024.01.05		Jin. Yang	Jin. Yang	ChaoHua. Li



## 供应商环保声明

深圳市沃特沃德信息有限公司 (以下简称我司) 保证: 向深圳市沃特沃德信息有限公司/贵州财富之舟科技有限公司供应 HMD 项目的所有物料 (如原料, 组件, 半成品, 成品以及包装材料) 均符合深圳市沃特沃德信息有限公司/贵州财富之舟科技有限公司产品和活动的环保法律和法规, 包括但不限于以下要求, 且所提供的材料真实有效, 当提供的原材料或包装材料有害物质含量超出此基准而造成事故时, 我司将无条件承担因此造成的索赔和一切损失。

管控物质	管控依据
◆ 欧盟 REACH 法规: 附件 17 限制物质	(EC) 1907/2006
◆ 欧盟 REACH 法规: 附件 14 授权物质	(EC) 1907/2006
◆ 欧盟 REACH 法规: SVHC	(EC) 1907/2006
◆ 欧盟 RoHS 指令	2011/65/EU 及其修订指令 (EU) 2015/863
◆ 欧盟持久性有机污染物 (POP)	(EU) 2019/1021
◆ 放射线物质	2013/59/EURATOM
◆ 消耗臭氧层物质 (ODS)	蒙特利尔协议; (EC) 1005/2009; 美国清洁空气法案
◆ 氟化温室气体	(EC) 517/2014
◆ 加州 65 号提案列出的物质 (对使用者有暴露风险且需要警告的所有应用)	Prop65
◆ 可能引起皮肤过敏的物质 (禁止用于可能长时间接触皮肤的所有应用)	(EC) 1272/2008
◆ 欧盟电池指令	2006/66/EC 及其修订指令 2013/56/EU



◆ 欧盟包装指令	94/62/EC 其修订指令 (EU) 2018/852
◆ 三氧化二锑 (限值 0.09%)	Prop65
◆ 氧化铍 (禁用)	Prop65
◆ 铍及其化合物 (氧化铍除外) (限值 0.1%)	Prop65
◆ 溴及其化合物 (限值 0.09%)	无卤
◆ 氯及其化合物 (限值 0.09%)	无卤
◆ 甲醛 (包装材料中禁用; 其它材料避免使用, 如有需报告)	Prop65
◆ 镍 (禁止用于可能长时间与皮肤接触的所有应用)	皮肤致敏物
◆ 全氟辛酸 (PF0A) (限值 25ppb)	(EU) 2017/1000
◆ 聚乙烯 (PE) 泡棉 (包装材料中禁用)	客户要求
◆ 发泡聚苯乙烯 (包装材料中禁用)	客户要求
◆ 聚氨酯 (包装材料中禁用)	客户要求
◆ 聚氯乙烯 (PVC) (禁用)	客户要求

公司注册编号: 914403006785831159

公司名称: 深圳市大显科技有限公司

法人代表: 郑小荣

公司盖印:

日期: \_\_\_\_\_ 年 / 月 / 日



**深圳市大显科技有限公司**  
ShenZhen DaXian Technology Co., Ltd

包装规范-普通包装 Packaging specification-Ordinary packaging					
项目名称: entry name:	GF025B	版次 Revision	V0	日期	2023/12/20
序号 NO.	物料名称 Material name	用量 consumption	加工流程 Processing flow	备注 remarks	
1	底壳天线组件 Chassis Antenna Assembly	1	底壳+天线组装 Chassis + Antenna Assembly		
包装材料及尺寸规格: Packaging materials and dimensions:					
序号 NO.	名称 name	规格 Specifications	用量consumption		
1	大纸箱 Large carton	540*380*320mm	1		
2	吸塑盒 Blister box	17格 17 cells	40		
3	PE膜 PE film	400*600mm	40		
4	纸板 cardboard	510*350mm	2		
包装要求: Packaging requirements:					
<p>先把平卡放到下面, 吸塑盒垫棉每格装1PCS产品, 产品表面朝下放置, 然后叠加直到50层装满箱为止, 最上面用平卡覆盖, 然后用绳子以“十”字或“井”字形方式捆绑(方便放置与提取产品), 共850PCS/箱Put the flat card on the bottom, pad the plastic box with cotton and pack 1 PCS of products in each grid, place the product surface downward, and then stack it until the 50 layers are full, cover the top with the flat card, and then bind it with a rope in a "cross" or "well" shape (convenient for placing and extracting products), a total of 850 PCS/box</p>					
制定formulate 杨进 Jin.Yang		审核examine: /		核准approval: 周锐斌 Rui Bin.Zhou	

深圳市大显科技有限公司  
ShenZhen DaXi an Technology Co., Ltd

包装规范-CKD包装 Packaging specification-CKD Packaging

项目名称: entry name:	GF025B	版次 Revision	V0	日期	2024/2/29
序号 NO.	物料名称 Material name		用量 consumption	加工流程 Processing flow	备注 remarks
1	底壳天线组件 Chassis Antenna Assembly		1	底壳+天线组装 Chassis + Antenna Assembly	

包装材料及尺寸规格: Packaging materials and dimensions:

序号 NO.	名称 name	规格 Specifications	用量consumption	
1	大纸箱 Large carton	540*380*320mm	1	
2	吸塑盒 Blister box	17格 17 cells	40	
3	PE膜 PE film	600*400mm	40	
4	纸板 cardboard	520*360mm	2	
5	大PE袋 Large PE bag	650*650*0.35mm	1	
6	干燥剂 desiccant	/	4	

包装要求: Packaging requirements:

先把平卡放到下面, 吸塑盒垫棉每格装1PCS产品, 产品表面朝下放置, 然后叠加直到50层装满箱为止, 最上面用平卡覆盖, 然后用绳子以“十”字或“井”字形方式捆绑(方便放置与提取产品), 共850PCS/箱Put the flat card on the bottom, pad the plastic box with cotton and pack 1 PCS of products in each grid, place the product surface downward, and then stack it until the 50 layers are full, cover the top with the flat card, and then bind it with a rope in a "cross" or "well" shape (convenient for placing and extracting products), a total of 850 PCS/box

制定formulate: 杨进 Jin.Yang	审核examine: /	核准approval: 周锐斌 RuiBin.Zhou
-----------------------------	--------------	--------------------------------