

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A1)

CUSTOMER	Xtooltech Intelligent
CS P/N	P720
PART NAME	WIFI-2 Antenna Assembly (all-in-one machine)
FREQUENCY	2400~2500MHz/5150~5850MHz
CUS NO.	2. 1. 09. 12. 011501
ZTX NO.	2. 00000797
DATE	2024/5/22

CUSTOMER			
QA CHECKED	ME CHECKED	RF CHECKED	MANAGER CHECKED

Remark:

Sign:

Shenzhen ZTX Communication Technology Co., Ltd				
MANAGER CHECKED	MANAGER CHECKED	ME CHECKED	RF CHECKED	LISTER
		Youjie. Ke	Jianeng. Feng	



Shenzhen ZTX Communication Technology Co., Ltd

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(Tengda Industrial Park)

zip code: 518000

Tel: 0755-27588320

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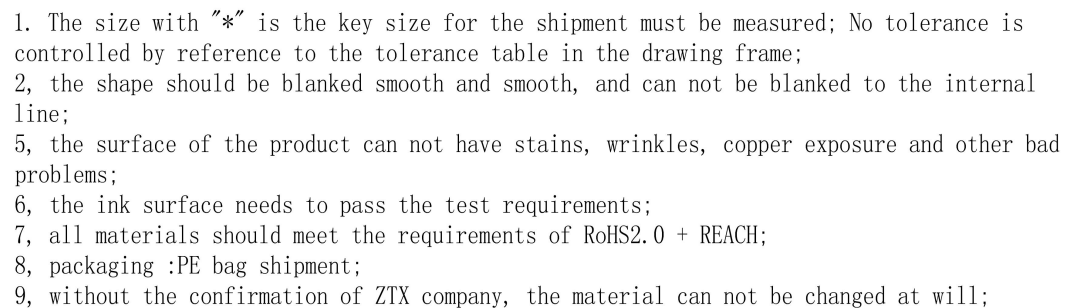
<http://www.chinaztx.com>

Revision history

Edition	Date	state
A1	2024/5/22	First edition

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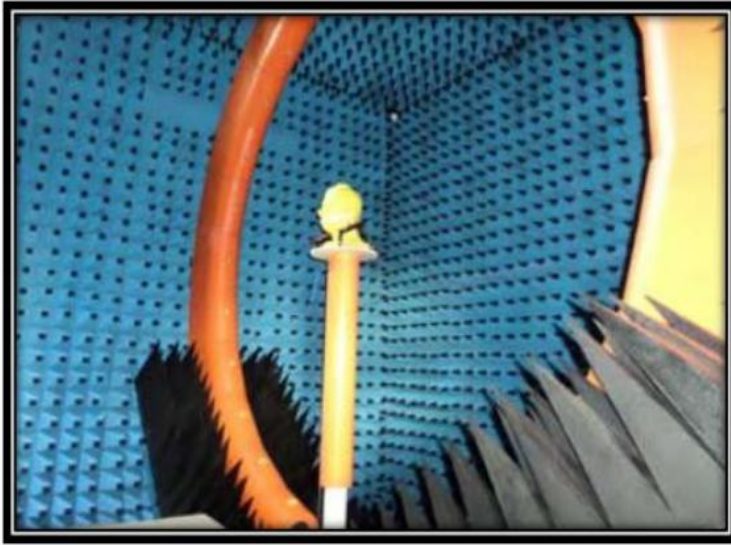
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Material description:

Serial number	Material name	Material description	Quantity	Remark	ZTX Shenzhen ZHONGTIANXUN Communication Technology Shares Co.,Ltd								
Ⓐ	RF terminal 1 generation	Phosphor bronze/gold plated surface	1		General Tolerance			Date: 2024.09.03	Unit: mm	Rev: V1	Scale:1:1	Project code ztx3806	
Ⓑ	Coaxial line	1.13 pairs of tin /FEP/ Black	1		Dim	Grade	A	B	Designed: youjie.Ke		Material:		Project Name: P720
Ⓒ	FPC	PI substrate/black ink	1		5-10		±0.10	±0.20	Checked: Jianeng.Feng		Process:		Product Name: All-in-one WIFI-2- Antenna assembly
Ⓓ	Foam	EVA/Black/Double-sided adhesive	1		10-20		±0.15	±0.30	Approval: Guohua.Zou		Third Angle 		Material Code:
				20-40		±0.20	±0.40						
					40>		±0.25	±0.50					

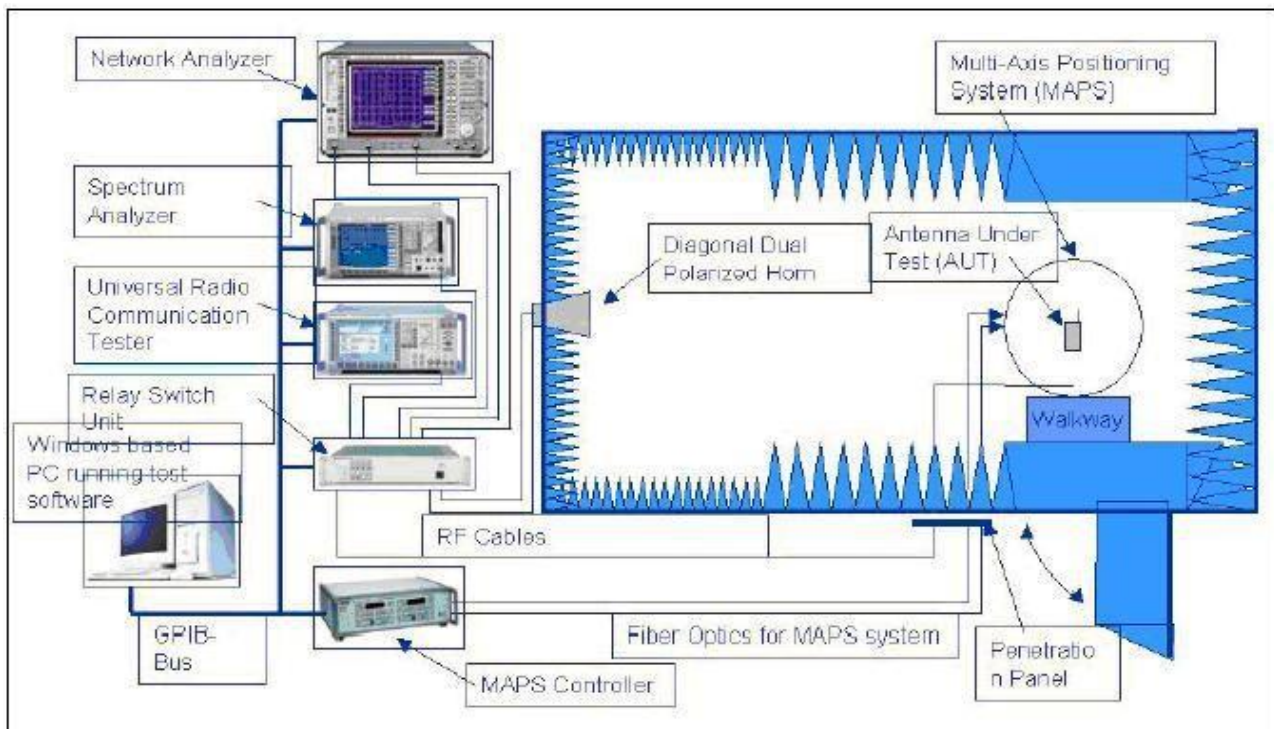
2. Test equipment



Owned 6 microwave dark room, equipped 2 sets world leading France Satimo SG24 OTA certification test systems (one in SHENZHEN, another one in Shanghai), ETS OTA Standard test system, Blue test reverberation test system which is High repeatability, high accuracy and high resolution. It can quickly provide accurate test reports, fully meet the CTIA standards.

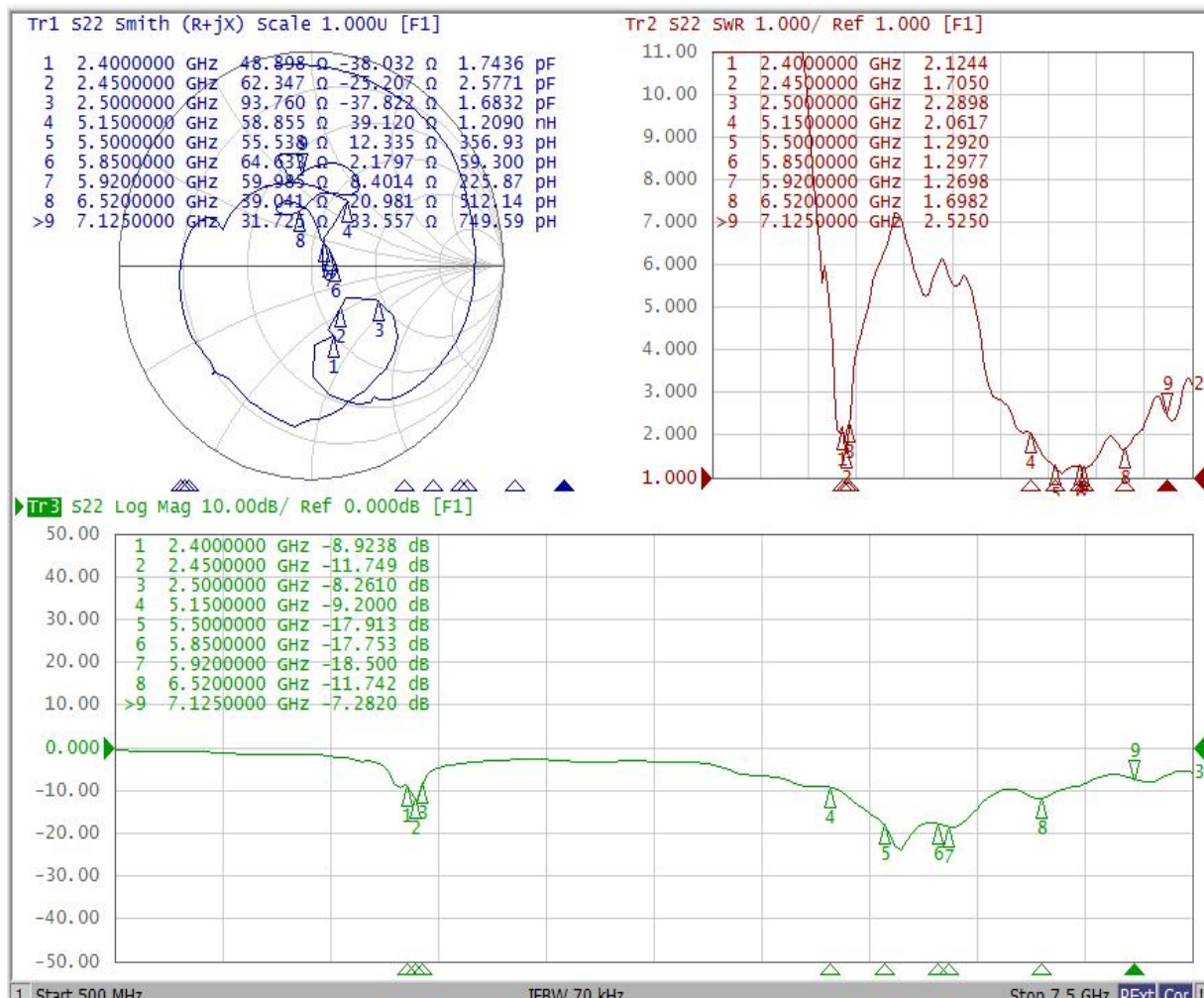
Testing range:

Support active, passive testing of
GSM/CDMA/WCDMA/TD-
SCDMA/LTE/WIFI/WLAN/WiMax/BT
/GPS/MIMO/UWB within 0.4-6G.



3. Test Results Summary

3-1 VSWR



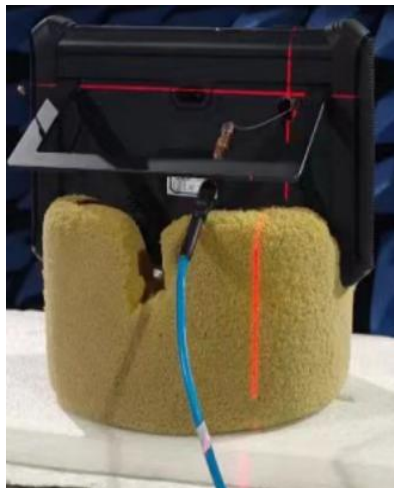
3-2 Active test

WIFI A	36	15.79	-69.72		WIFI N	36	14.55	-68.43
	149	13.36	-68.42			149	14.64	-65.14
	165	12.91	-68.91			165	12.86	-64.05
WIFI B	1	15.11	-84.97		WIFI G	1	15.74	-71.14
	6	16.08	-84.31			6	16.37	-71.21
	11	14.89	-84.03			11	15.53	-71.42
WIFI N	1	15.17	-69.11					
	6	15.63	-68.55					
	11	14.69	-68.38					

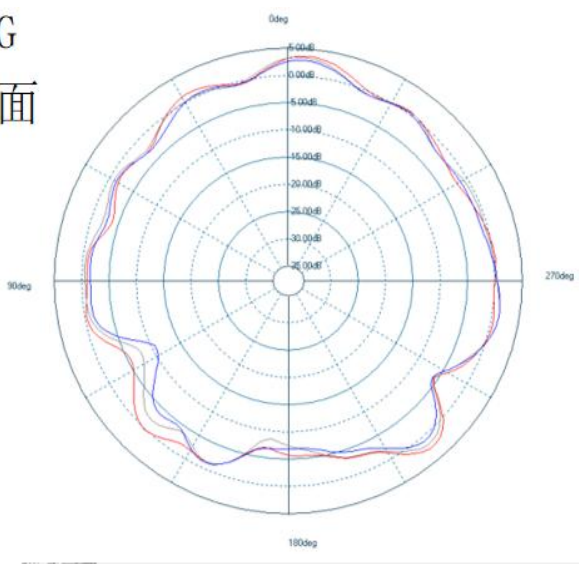
3-3 Passive test

Frequency	Efficiency	Efficiency . dB	Gain . dB	5150	51%	-2.92	3.79
2400	54%	-2.68	3.56	5200	53%	-2.76	3.65
2410	53%	-2.76	3.71	5250	54%	-2.68	3.85
2420	52%	-2.84	3.68	5300	55%	-2.60	3.76
2430	54%	-2.68	3.77	5350	54%	-2.68	3.72
2440	55%	-2.60	3.53	5400	53%	-2.76	3.69
2450	54%	-2.68	3.33	5450	55%	-2.60	3.86
2460	56%	-2.52	3.13	5500	54%	-2.68	4.01
2470	54%	-2.68	3.09	5550	52%	-2.84	3.96
2480	56%	-2.52	3.02	5600	53%	-2.76	3.90
2490	53%	-2.76	2.76	5650	54%	-2.68	3.94
2500	53%	-2.76	2.75	5700	54%	-2.68	3.69
				5750	55%	-2.60	3.69
				5800	53%	-2.76	4.08
				5850	52%	-2.84	4.27

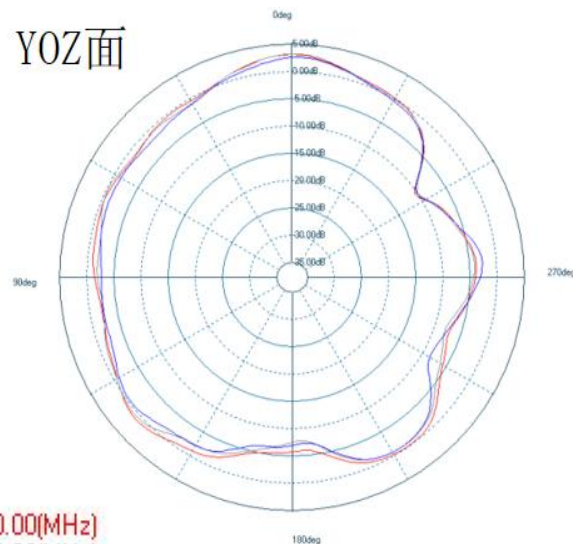
3-4 2D/3D Radiation Pattern Results



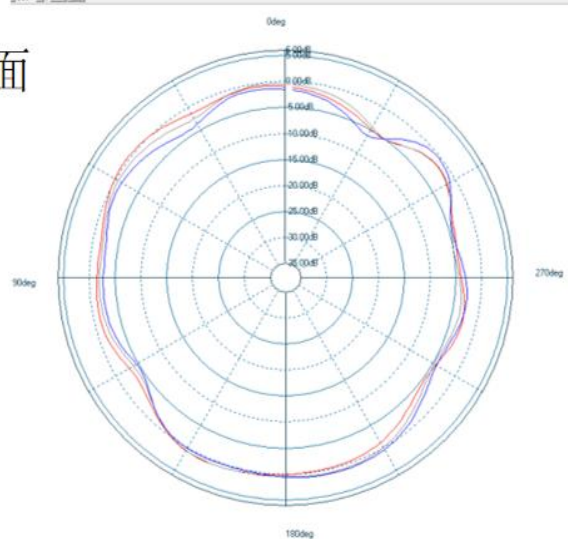
2. 4G
XOZ面



YOZ面

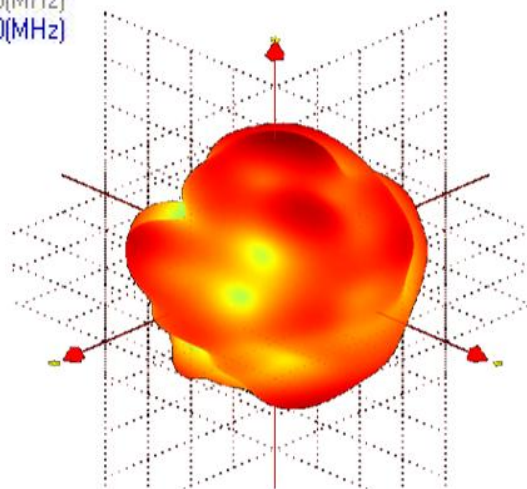


XOY面



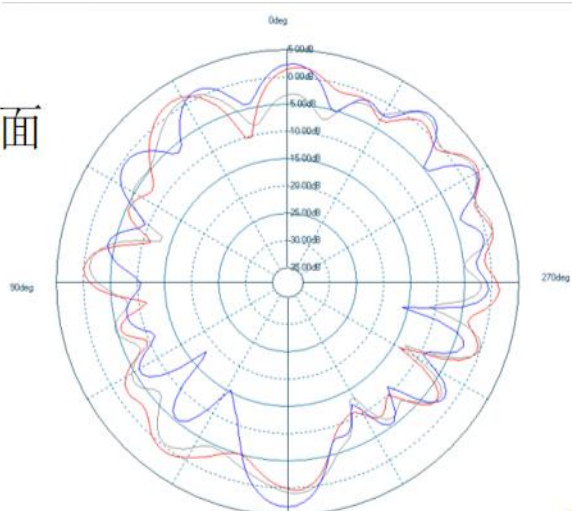
Legend

— 2400.00(MHz)
— 2450.00(MHz)
— 2500.00(MHz)

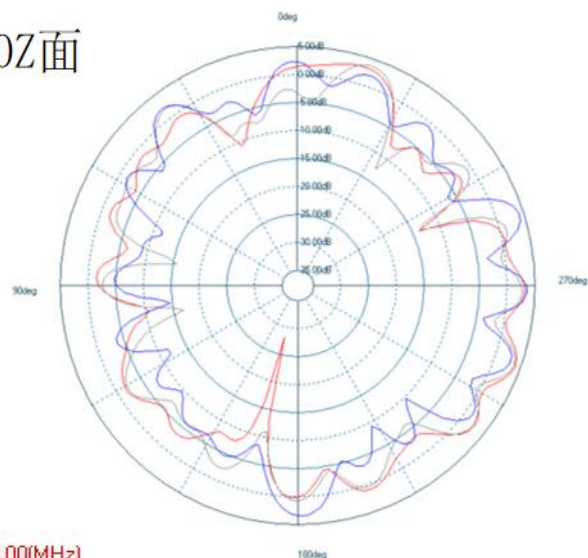


5G

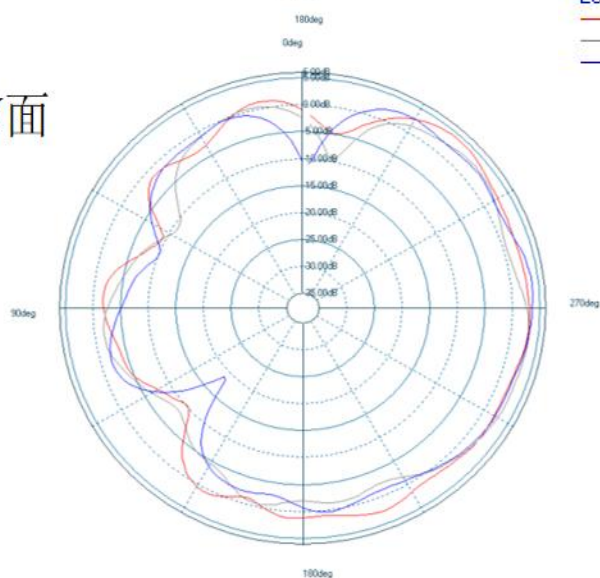
XOZ面



YOZ面

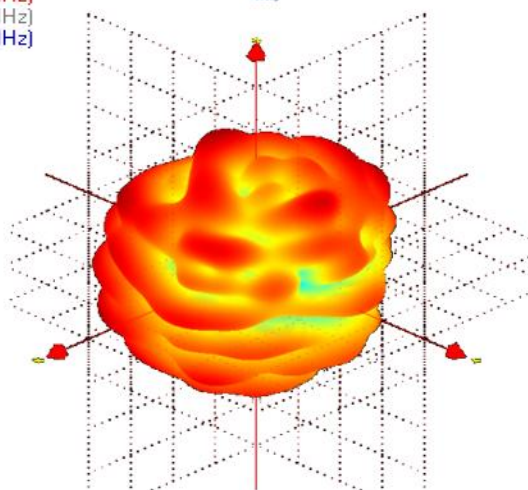


XOY面



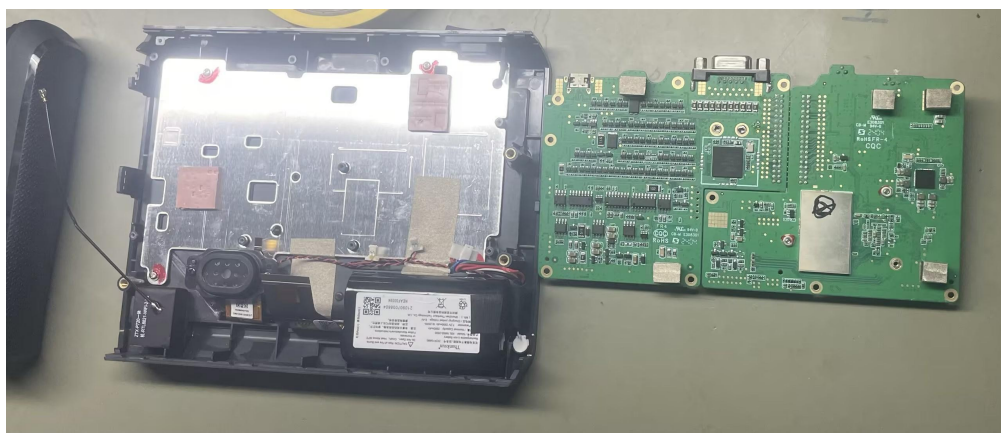
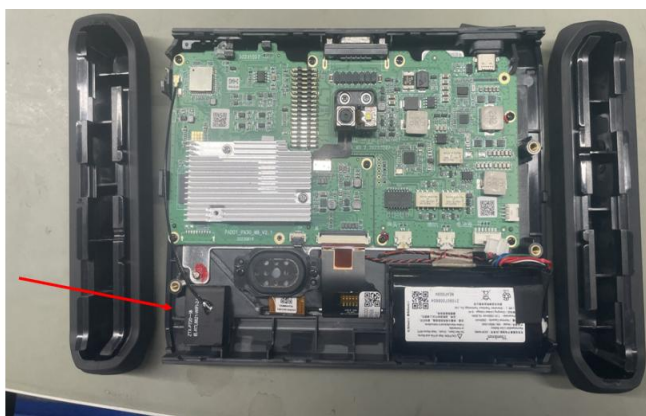
Legend

— 5150.00(MHz)
— 5500.00(MHz)
— 5850.00(MHz)



3-5 Environment treatment

WIFI



样品检测报告

客户名称 Customer name		云伽		产品名称 Product name		P720-WIFI 2 Antenna Assembly (all-in-one machine)		数量 quantity		10 PCS						
产品材质 Product material		FPC+同轴线		材料颜色 Material color		black		日期 date		2024.9.2						
产品类型： ☐ 新模样品 ☐ 改模样品 ☐ 量产 ☐ 其它 Product type: ☐ New shape ☐ Changed shape ☐ Mass production ☐ Others																
NO	type	Drawing size	Upper tolerance	Lower tolerance	Measured size										determ ine	remark
					1	2	3	4	5	6	7	8	9	10		
1	*	110.00	3.00	3.00	110.00	110.00	111.00	111.00	110.00	110.00	111.00	111.00	110.00	111.00	OK	
2		10.26	0.60	0.60	10.29	10.32	10.33	10.29	10.34	10.31	10.29	10.31	10.36	10.32	OK	
3		18.40	0.50	0.50	18.49	18.50	18.47	18.51	18.50	18.49	18.48	18.52	18.51	18.49	OK	
4		25.70	0.30	0.30	25.68	25.64	25.62	25.67	25.69	25.65	25.64	25.68	25.60	25.63	OK	
5																
6																
7																
8																
9																
10																
11																
外观:OK Appearance :OK																
其它:驻波一致性测试OK Other: Standing wave conformance test OK																
Final decision: ☒ OK ☐ NG																
核准(Approved by): Deng Howard 审核(Checked by): Yi Ailing 测试(Name of operator):Li Lihua																
remark																

Raw Material Detection List

原材料检测清单

Material & Substance Check List 材料和物质检查表

Supplier/供应商:	深圳市中孚信源技术有限公司
Contact window/联系窗口:	品质
Phone/电话:	18024953019
E-mail/邮件:	lucy@zhxf.com.cn
Product model/产品型号:	P150-P11212天馈组件（一体机A一体机B）
Date/日期:	2004.5.11

[illegible]