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ANTENNA TEST REPORT

FN-LINK TECHNOLOGY LIMITED

Customer	Ouzhitong
Project Name	Smart Controller
Customer No.	
Specification	FPC Antenna, Wi-Fi 2.4 GHz / 5.8 GHz
Supplier No.	
Prepared by	Pan Yilin
Revision	Ver. 1
Date	2024-03-01
Note	

REVISION HISTORY

Revision Date	Change Description	Revision	Changed by	Approved by

1. APPROVAL DOCUMENT INDEX

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2. TEST EQUIPMENT & CONDITIONS

2.1	Network Analyzer	KEYSIGHT P5002A
2.2	Communications Test Set	R&S CMW 500
2.3	3D Chamber Test System	24-probe measurement system

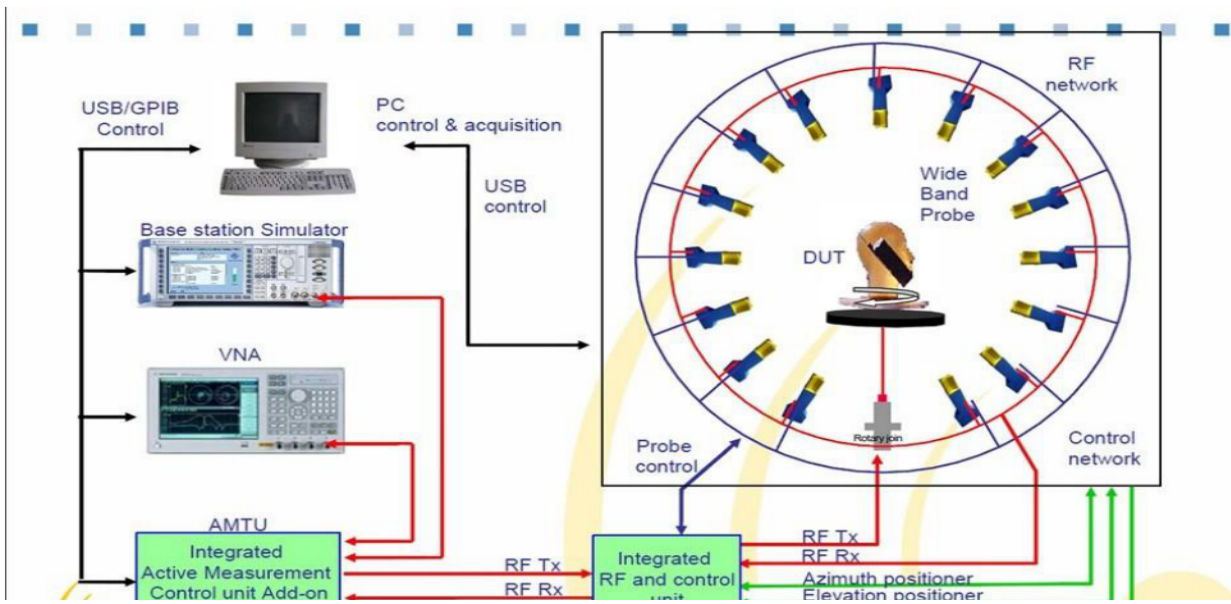
2.4 Microwave Anechoic Chamber Test Principle

1.1 . Network Analyzers : KEYSIGHT P5002A

1.2 . Communications Test Set: R&S CMW 500

1.3 . 3D Chamber Test System: 24探头测试系统

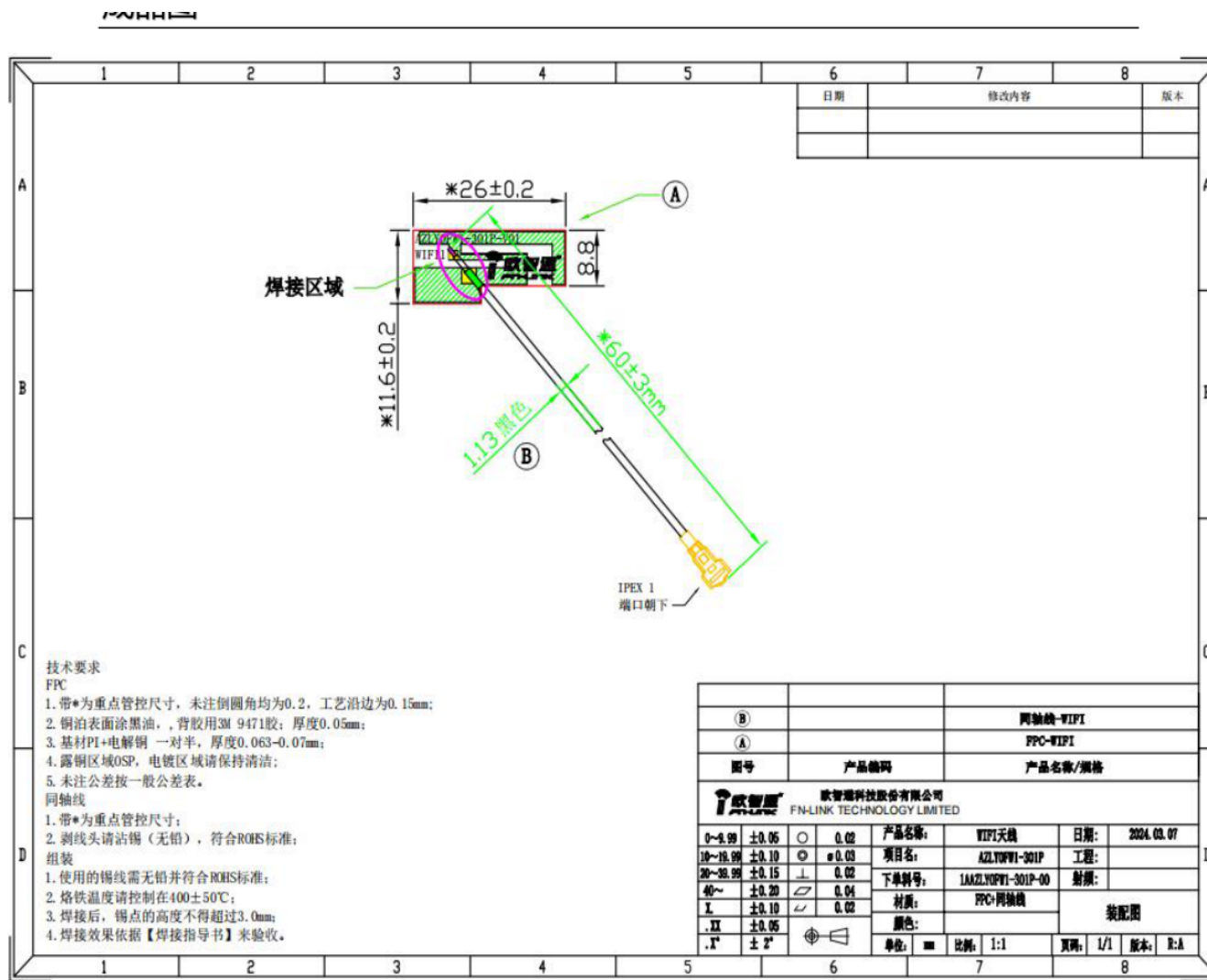
1. 微波暗室的测试原理图



The report summarizes the antenna electrical performance results, including S11, gain, and efficiency.

3. ANTENNA FINISHED DRAWING

Original engineering drawing retained for dimensional and manufacturing reference.



4. DUT / SAMPLE STRUCTURE DESCRIPTION

4.1 Overall Product Description

The tested sample is the Smart Controller. The product enclosure and sample configuration are shown below.

2. 测试数据报告

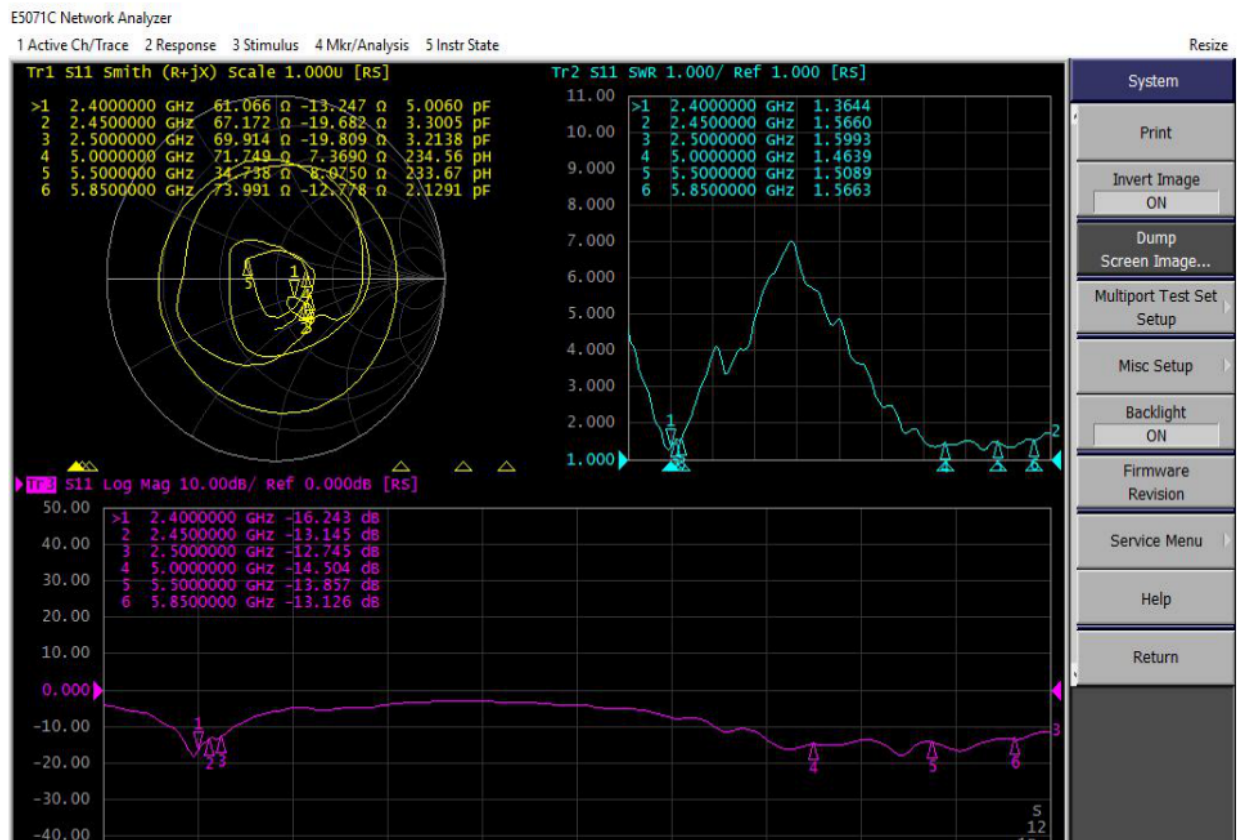
3. 测试数据



4.2 Debug / Test Data Report

4.3 Test Data

5. Wi-Fi ANTENNA S11

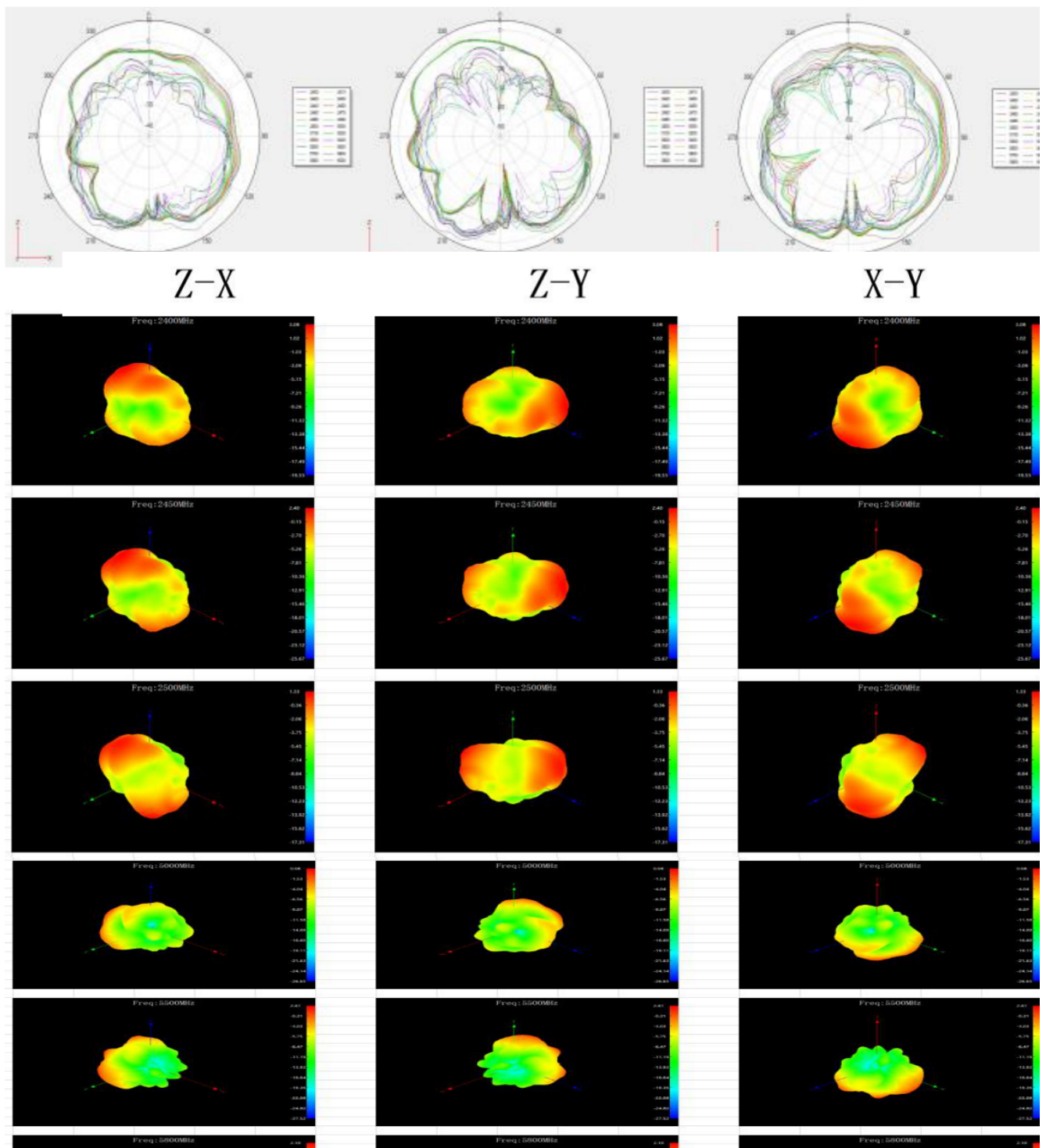


Frequency / GHz	2400	2450	2500	5000	5500	5850
VSWR	1.3	1.5	1.5	1.4	1.5	1.5

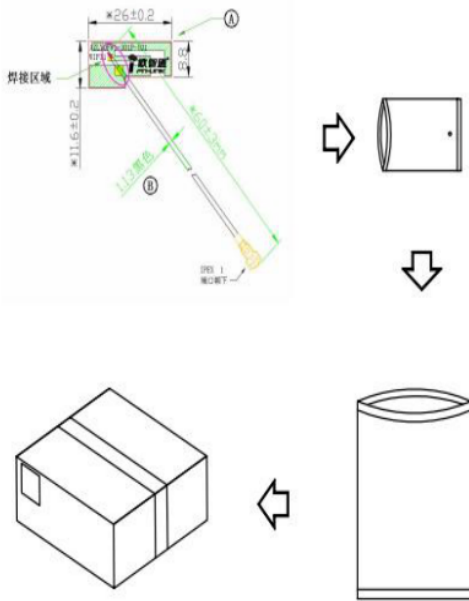
6. WI-FI ANTENNA TEST DATA

Frequency / MHz	Max Gain / dBi	Efficiency / %
2400	3.08	63.95
2410	3.22	65.59
2420	3.15	65.59
2430	2.99	64.33
2440	2.72	62.84
2450	2.40	61.88
2460	2.07	68.19
2470	1.77	65.81
2480	1.56	65.39
2490	1.45	60.85
2500	1.33	61.30
5000	0.98	57.41
5100	1.82	56.10
5200	2.57	66.23
5300	2.78	66.10
5400	3.18	66.89
5500	2.41	64.58
5600	1.18	62.72
5700	1.71	50.82
5800	2.10	58.53
5900	1.86	56.13

7. WI-FI ANTENNA 2 — 2.4 GHz / 5 GHz 3D RADIATION PATTERNS



8. PACKAGING

 欧智通科技股份有限公司 FN-LINK TECHNOLOGY LIMITED 包装规范								
版本		修订内容		修订日期		修订人		
			作业方法(自检该工序作业合格后,方能流入下一道工序)		物料名称			
			1. 每个PE小袋子里放置100PCS产品并贴好数量,再放置于一个PE大袋子里,每大包装1000PCS(可按实际情况包装,大包装需贴标签,标识数量型号),每箱装3000pcs,尾数再另起一个PE袋。		1. 注意标签有无贴错、漏贴、箱子有无破损; 2. 附出货检验报告。			
			2. 将包装好的产品装箱,用双坑(双层瓦楞)纸箱外包装(总数量按实际情况而定),外箱封箱后在右上角贴好标签(料号、数量、型号、规格、日期)。(如有特殊情况,按照客户要求数量对产品进行放置)					
			图示仅供参考,具体以实物为准			物料名称	用量	规格
						PE开口袋	1/100	200*150mm
						PE开口袋	1/1000	330*230mm
						纸箱	1/3000	290*210*100mm
			标签					
项目名称			产品名称		日期		制定	
AZLY0FW1-301P-V01			FPC+同轴线		2024. 03. 07		李燕	