

SPECIFICATION FOR APPROVAL

(Product acceptance letter)

Product name: D830

Product model (original factory model): D830 Antenna assembly 196034-IA

The Customer's Item Name: FPC Antenna assembly 196034-IA

Customer "Specification model": Black WIFI-FPC welding coaxial line/measuring conduction/paste, ROHS

Antenna Type: Internal Antenna

Change Content CV:

order number	Content before change	The changed content	Change date	edition	page number	person liable
1	editio princeps	editio princeps	2025-7-5	R:A	11	Li Jieyi

Chen Kehong	Bi Yezhi	

This admission includes the following: (indispensable)

1. the title page of a thread-bound book
2. Parameter specifications
3. Structural size diagram
4. Packaging diagram
5. BOM outside
- Vi. Production process flow table
7. Environmental Protection / certification status
- VIII. Samples, test report

Customer name (company name): Shenzhen Oni Electronics Co., LTD

The buyer (customer) determines the result: ☐ qualified ☐ unqualified

Demander (customer) recognition (please return the entire recognition bookmark after confirmation)

Development & Design Engineer / Date	SQE Engineer / Date	Head of the Purchasing Department / Date	Development Manager approval / date

D830 Project antenna material requirements specification

Customer name: Onie

Customer product name: D830

Product name: FPC Antenna assembly

Product specification: See the BOM table list for more details

Change Content CV:

order number	edition	state	Start and end date	person liable	page number	remarks
1	editio princeps	editio princeps	2025-7-5	Li Jieyi	11	

The Supplier acknowledges the signature of the following documents:

Responsible person / date		IQC/ date	Review / Date	Approval / Date
MD	<i>Close industry wisdom</i>	<i>Su Guanfeng</i>	<i>He lei</i>	
RF	<i>Jiang mingfei</i>			

The Demander acknowledges the signature (please send it back after the confirmation):

The demander's judgment result: ☐ qualified ☐ unqualified			
Development & Design Engineer / Date	SQE Engineer / Date	Purchasing Leader / Date	Development Manager approval / date

catalogue

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1. Overview

1.1 Scope of application

This requirement, specifies the product Antenna technical requirements and material requirements specifications for D830.

This requirement applies to D830 antenna type selection, test and acceptance, the main body is composed of dielectric ceramics, LNA circuit, shielding cover, etc. It has the characteristics of many types, small volume, high gain, low noise and convenient equipment. We can design the specific requirements of our customers to meet different needs. This product is a GPS band dual-frequency receiving antenna, used for the production of navigation instrument, locator, tester and other products with GPS function.

2. Technical index requirements

2.1 Introduction of test items and equipment

inventory	test item	equipment
Active test	TRP,TIS	Integrated tester, microwave darkroom

2.2 Active Reporting

2.2.1 Test instructions

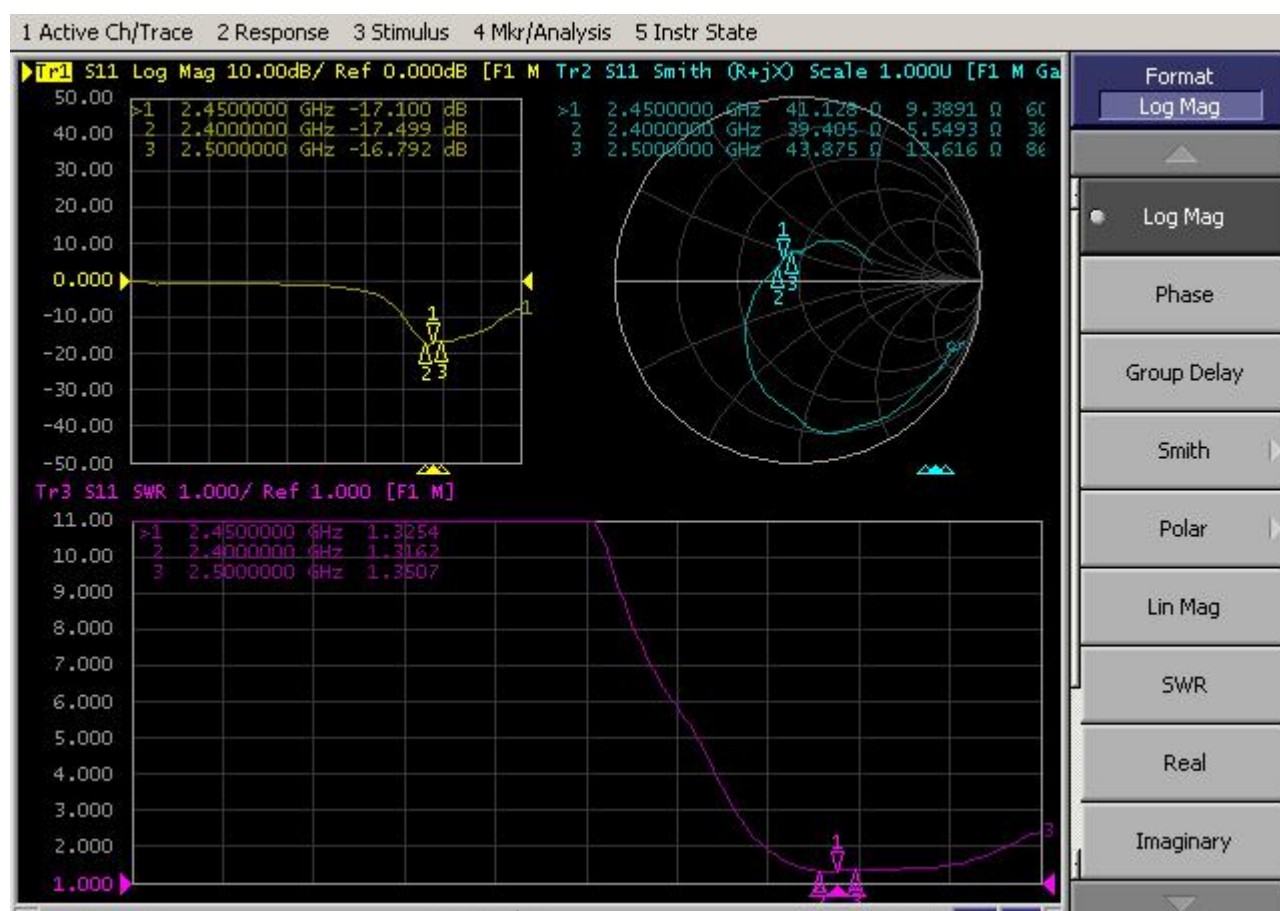
Test tools: Agilent8960 instrument, R & S CMW500, full wave far field ETS dark room, high precision positioning system and its controller and computer with automatic test program

Test environment: temperature $22^{\circ}\text{C} \pm 3^{\circ}\text{C}$, humidity $50\% \pm 15\%$

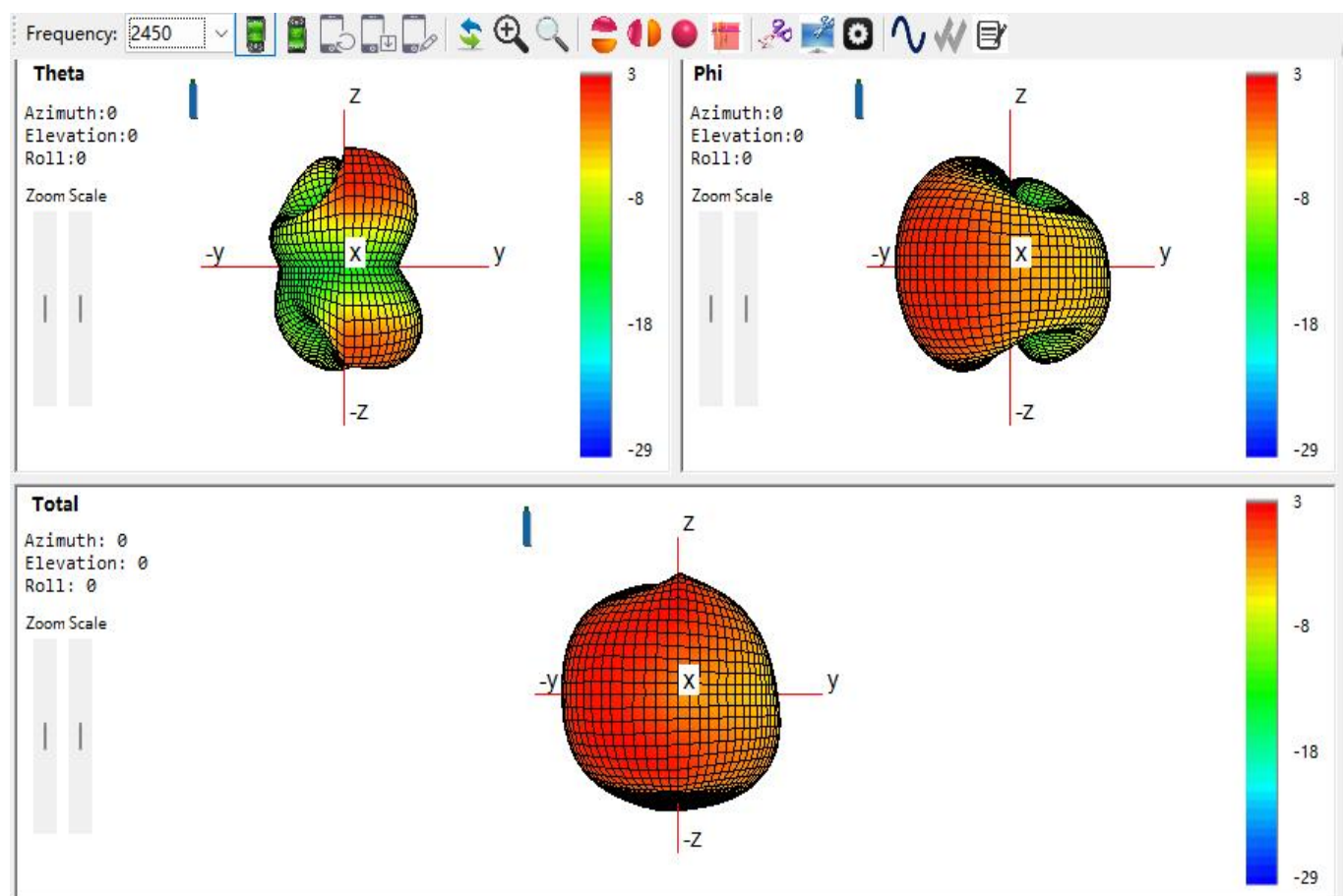
Test method: DUT is fixed in the center of the turntable with H plane, on the same horizontal line as the center of the horn antenna.

The positioning system enables the DUT to rotate in the whole sphere to satisfy the high-precision 3 D positioning. Each RF instrument and turntable controller communicate with the PC with automatic test software through the GPIB interface.

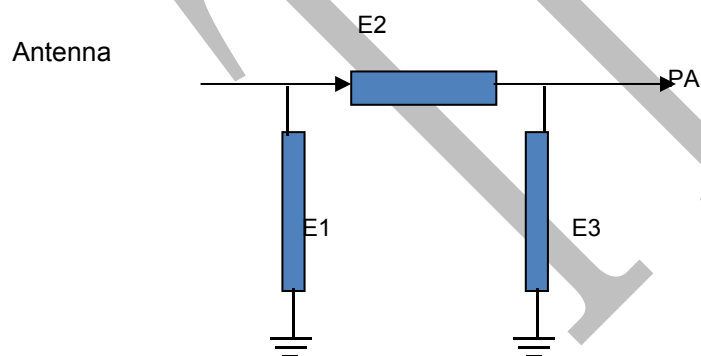
2.2.2 antenna passive diagram



2.2.3 antenna direction diagram

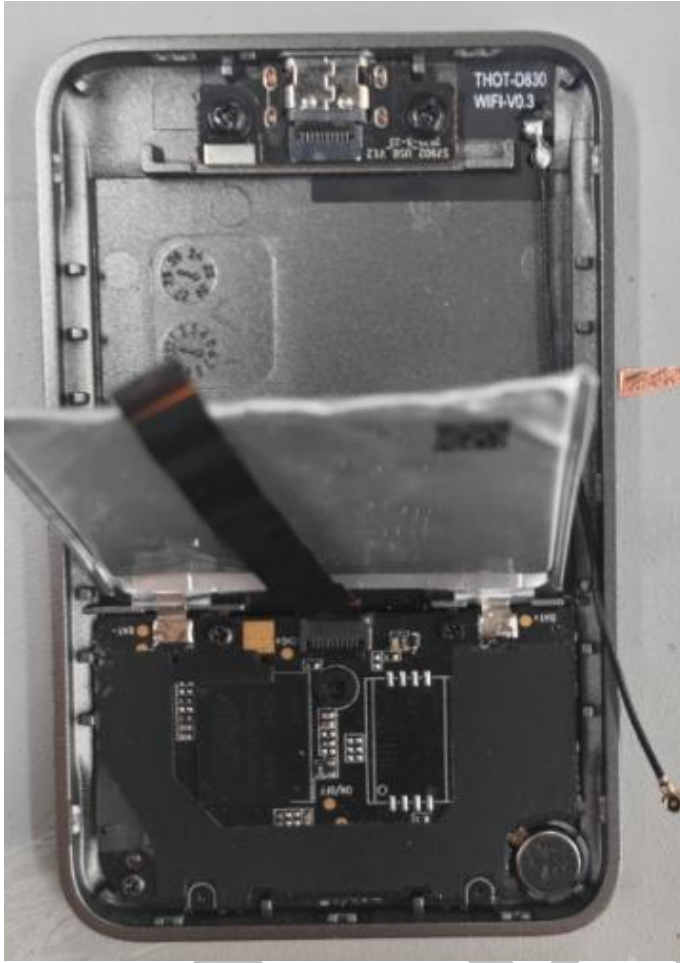


2.2.4 Replace changes



Element	Value
E1(0402)	NC
E2(0402)	0Ω
E3(0402)	NC

2.2.5 antenna position



3. engineering drawing

[illegible]

4. Bill Of Material

Shenzhen Yusheng Communication Equipment Co., LTD

196034 (D830) BOM

edition: R:B

client 196

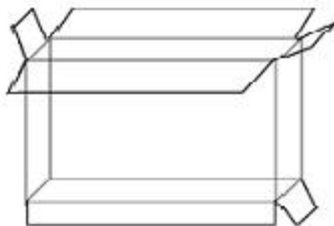
Type of aircraft: 196034

Set a date: 20250705

Item	*Material code	*Material name	name	*Machine type	Specification and model	colour	*UNIT.	dosage	remark
1	196034-IA-RB	WIFI-module		D830	BLACK WIFI-FPC weldCoaxial line	black	PCS	1	
1.1	196034-IA-01-RB	WIFI-FPC		D830	BLACK WIFI-FPC Electrolytic copper weld	black	PCS	1	
1.2	196034-IA-02-RB	WIFI-Coaxial line		D830	BLACK weld 0.81*72.00MM	black	PCS	1	
2	196034-IB-RA	label		D830	/	black	PCS	1	
2.1	196034-IB-01-RA	label		D830	/	black	PCS	1	
verify:			examine:			manufacture: FJW			

THOT

5. Package schematic diagram

Packaging method diagram																
product name	FPC antenna assembly															
P / N	196034															
Project model	D830															
File details	Carton Size 1: 270*260*200MM Carton Size 2: 260*200*200MM Carton Size 3: Depending on the order quantity / volume															
	Boating method	Packaging by order quantity														
	Total number of binning	Packaging by order quantity														
labeling requirement	Tag Size 1: Universal use 100 * 100mm Tag Size 2: According to customer requirements	深圳市昱晟通讯设备有限公司 <table><tr><td>客户名称</td><td>*****</td></tr><tr><td>订单编号</td><td>*****</td></tr><tr><td>项目名称</td><td>*****</td></tr><tr><td>物料编码</td><td>*****</td></tr><tr><td>数 量</td><td>***pcs</td></tr><tr><td>出货日期</td><td>****年**月**日</td></tr><tr><td colspan="2">地址：深圳市光明新区光明大道南太云创客园区2栋4楼4A</td></tr></table>	客户名称	*****	订单编号	*****	项目名称	*****	物料编码	*****	数 量	***pcs	出货日期	****年**月**日	地址：深圳市光明新区光明大道南太云创客园区2栋4楼4A	
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matters need attention																
1. Due to the limitation of order quantity, the packing method of each material is the size of the box according to the total quantity of the order or the physical volume																
2. Storage temperature: room temperature																
3. Preservation conditions: store them in a cool and dry place																

6. Environmental certification

6. Environmental protection / certification status (fill in the instructions: if there is a relevant test certification, please tick in the brackets and indicate the corresponding certification or report number)

- ☐ UL certification or report number: _____
- ☐ VDE Certification or Report number: _____
- ☐ CE Certification or Report number: _____
- ☐ FCC Certification or Report Number: _____
- ☒ ROHS Certification or Report Number: _____ SHAEC24028809006 _____
- ☒ REACH, Certification or Report Number: _____ SHAEC24028809008 _____
- ☐ EMC Certification or Report Number: _____
- ☐ CCC Certification or Report number: _____
- ☐ SRRC Certification or Report number: _____
- ☐ Other certification or report number: _____
- ☐ **No product certification**