

Shenzhen Yusheng Communication Equipment Co., LTD

Admission book

customer name	Shenzhen Konexin Technology Co., Ltd
product name	Z1669, left headphone, FPC antenna
Customer material number	
project name	Left headset antenna
Product brand	Shenzhen Yusheng Communication Equipment Co., LTD
product model	615039-IA

appendix	Cover	drawing	FAI report	CPK report
	specification	Reliability test report	environmental protection	<u>Other 3D files</u>

Supplier signed supplier sign	make	check	approve
	Lin Shaokun	Zeng Xiang good	

client sign	fabrication make	examine and verify check	Approval of the approve

condition of recognition	☐ admit	☐ disallow
	☐ Conditional recognition must Need to meet the conditions:	
	☐ Temporary admission of limited _____ PCS	

Supplier Information Supplier information

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Z1669 Project Antenna Material Requirements Specification

Customer name: Shenzhen Konexin Technology Co., LTD

Project model : Z1669

Product name: Z1669, left headset, FPC antenna

Product specification Product specification: _____

Material code: Material code: _____

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order number	edition	state	availability date	person liable	page number	remarks
1	first edition	first edition	2026-5-7	Lijieyi	11	

The following is the signature page:

The supplier acknowledges the signature

Responsible person / date		IQC/ date	Review / Date	Approval / Date
MD	Close industry	Su Guanfeng	Zeng Xiang good	
RF	Lin Shaokun			

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

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

Catalogue

1. OVERVIEW	5
1.1 SCOPE OF APPLICATION	5
1.2 BASIC INFORMATION OF THE PROJECT	5
2. TECHNICAL INDICATORS REQUIRE	5
2.1 INTRODUCTION OF TEST ITEMS AND EQUIPMENT	5
2.2 ACTIVE REPORT FOR ACTIVE REPORTING	5
2.2.1 TEST INSTRUCTIONS	5
2.2.2 BT PASSIVE PARAMETERS-L	6
2.2.3 ACTIVE ANTENNA PARAMETER	7
2.2.4 ANTENNA APPLE CHART AND DIRECTIONAL CHART	7
2.2.5 MATCH CHANGES	8
3. STRUCTURAL DRAWING	9
3.1 LEFT HEADPHONE DRAWING	9
L ANTENNA	9
4. BILL OF MATERIALS	10
5. SCHEMATIC DIAGRAM OF PACKAGING	11

1. Overview

1.1 Scope of application

This requirement specifies the antenna technical requirements and material requirements specifications for Z1669 products.

This requirement is applicable to the antenna selection, testing and acceptance of Z1669 products.

1.2 Basic information of the project

Antenna name:	<u>Z1669</u>
Antenna band:	BT
Antenna material:	FPC

2. Technical indicators require

2.1 Introduction of test items and equipment

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

2.2 Active Report for 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

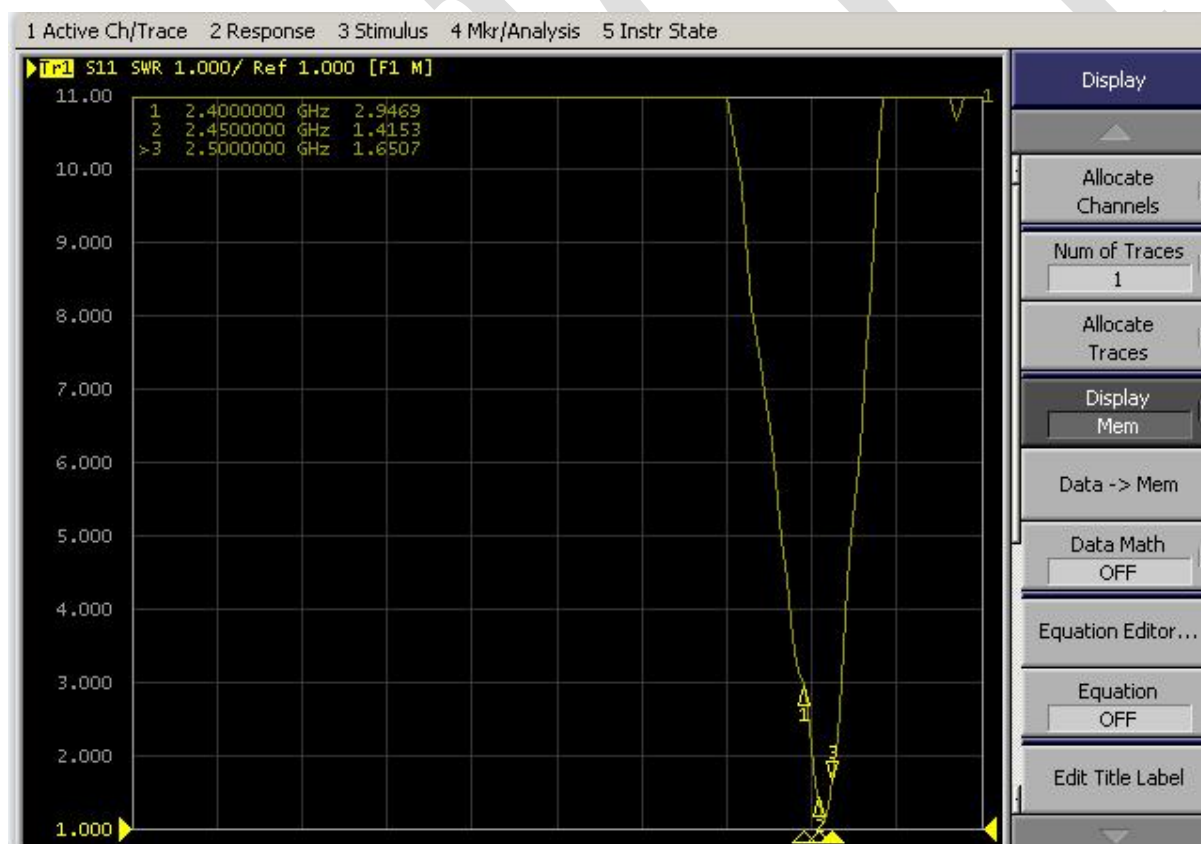
Test environment: temperature $22^{\circ}\text{C} \pm 3^{\circ}\text{C}$, humidity $50\% \pm 15\%$

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 BT Passive Parameters-L

Freq	Effi (%)	Gain
2400.0	3.31	-9.23
2410.0	4.4	-9.04
2420.0	5.51	-8.79
2430.0	6.7	-8.65
2440.0	6.62	-8.49
2450.0	6.54	-8.32
2460.0	7.53	-8.22
2470.0	6.48	-8.04
2480.0	5.31	-8.98
2490.0	4.35	-8.69
2500.0	4.29	-8.95

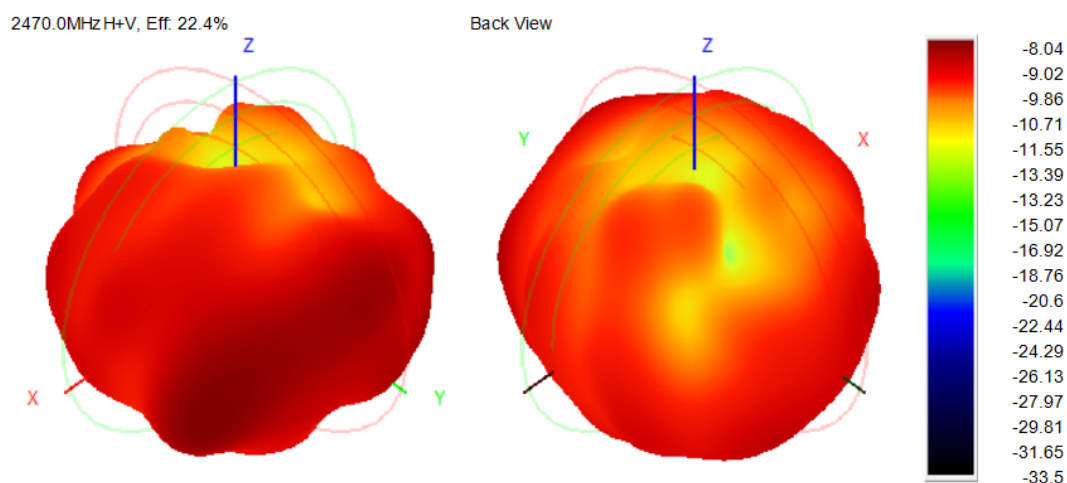


2.2.3 Active antenna parameter

Channel No.	L	
	TRP (dBm)	TIS (dBm)
0	-6.33	-71.29
39	-5.49	-72.36
78	-4.61	-72.47

2.2.4 Antenna Apple Chart and Directional Chart

3D Gain Pattern (2470MHz) Unit: dBi



2.2.5 Match changes



3. Structural drawing

3.1 Left headphone drawing

L antenna

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4. Bill of Materials

615039 (Z1669) BOM

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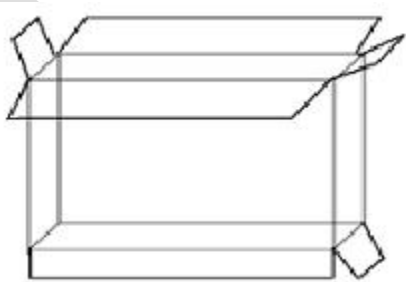
client : 615

Type of airTCft : 615039

Set a date : 2026/4/22

NO.	*Material code	*Material name	name	*Machine type	Specification and model	colour	*UNIT.	dosage	remark
1	615039-IA-TA	L antenna		Z1669	Black L-FPC ED Copper 27.5μm Coverlay Gold-Plated 9.93×12.39×0.12 mm	black	PCS	1	
1.1	615039-IA-01-TA	L-FPC		Z1669	Black L-FPC ED Copper 27.5μm Coverlay Gold-Plated 9.93×12.39×0.12 mm	black	PCS	1	
verify : examine : manufacture : BYZ									

5. Schematic diagram of packaging

Packaging mode Figure Packing pattern drawing		
Product name:	Antenna assembly	
Material number	615039	
Item model number	Z1669	
Packing details	Carton size: 1Carton Size 1: 270*260*200MM Carton size: 2Carton Size 2: 260*200*200MM Carton size: 3Carton Size 3: Subject to order quantity/volume	
	Packing method	per order quantity by order quantity
	Total number of cases	per order quantity by order quantity
Labeling requires	Label size Label Size 1: Universal use 100 * 100mm Universal 100*100mm Label size: 2Label Size 2: According to the customer's request, the According to customer requirements	
Note Matters needing 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		