

Antenna specification

customer name: Shenzhen Sanuo Digital Technology Co., LTD

Customer model: S6299

Product name: Antenna assembly

manufacturer : SHENZHEN YUSHENG COMMUNICATION EQUIPMENT CO., LTD

Manufacturer address: 407-411, Floor 4, Building 2, Yuntai Chuanggu Park, southeast of the intersection of

Guangming Avenue and Dongchang Road, Guangming District, Shenzhen

Change the content of the resume:

order number	edition	state	availability date	person liable	page number	remarks
1	T: A	T: A	2023-08-21	Zhong Qihong	9	
2						

The Supplier acknowledges the signature of the following documents:

Responsible person / date		IQC/ date	Review / Date	Approval / Date
MD	Feng Jiwu	Su	Zeng Xiang	
RF	He lei			

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

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

catalogue

1. OVERVIEW.....	3
1.1 SCOPE OF APPLICATION	3
1.2 BASIC PROJECT INFORMATION	3
2. TECHNICAL INDEX REQUIREMENTS.....	3
2.1 INTRODUCTION OF TEST ITEMS AND EQUIPMENT	3
2.2 No-SOURCE REPORT	3
2.2.1 INSTRUCTIONS FOR PASSIVE TESTING	3
2.2.2 BT PASSIVE PARAMETERS	4
2.2.3 BT ACTIVE PARAMETERS	5
2.2.4 LOCATION OF THE ANTENNA	6
3. STRUCTURAL DRAWINGS.....	7
4. LIST OF MATERIALS.....	8
5. PACKAGE SCHEMATIC DIAGRAM.....	9

1. Overview

1.1 Scope of application

This requirement, provided S6299 Antenna technical requirements and material requirements specifications.

This requirement applies to S6299 Antenna selection, testing and acceptance of the product.

1.2 Basic Project information

Antenna name:	S6299
Antenna frequency:	BT: 2400MHz–2500MHz
Antenna material:	FPC + same axis, welding wire + EVA cotton

2. Technical index requirements

2.1 Introduction of test items and equipment

inventory	test item	equipment
S11 parameter	Standing wave ratio, echo loss	network analyzer
Active test	TRP, TIS	Integrated tester, microwave darkroom
Passive test	Gain, efficiency	network analyzer

2.2 No-Source Report

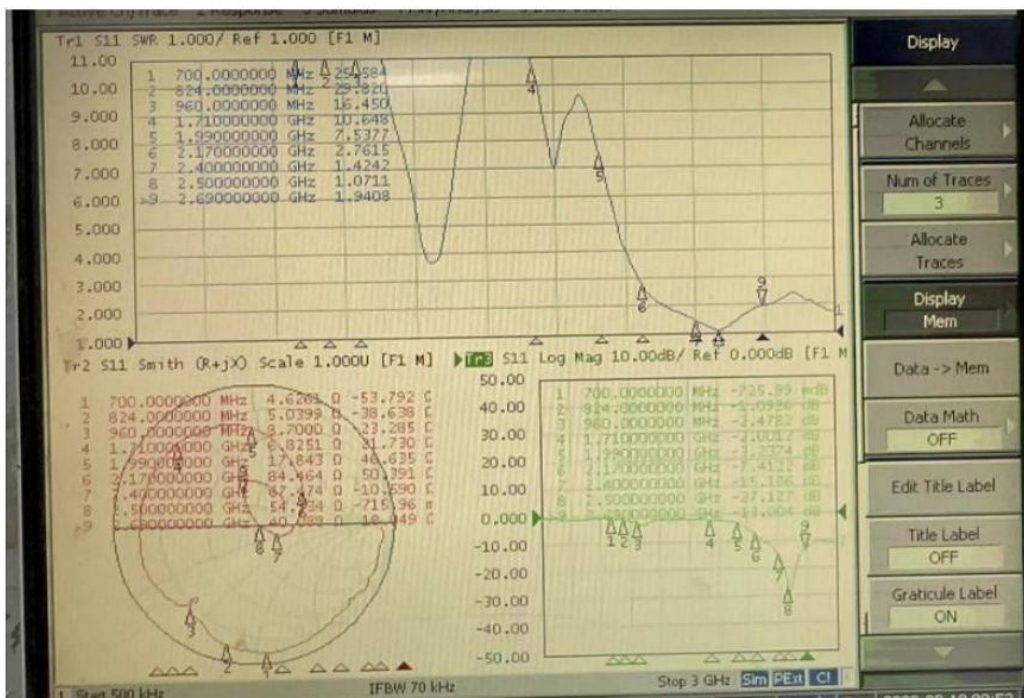
2.2.1 Instructions for passive testing

Test equipment: network analyzer

Test method: Export a 50 Ohm from the instrument test port with a CABLE cable, use the SMA connector of the hand mechanism after the calibrator, and record the echo loss or standing wave ratio corresponding to the relevant frequency point.

2.2.2 BT passive parameters

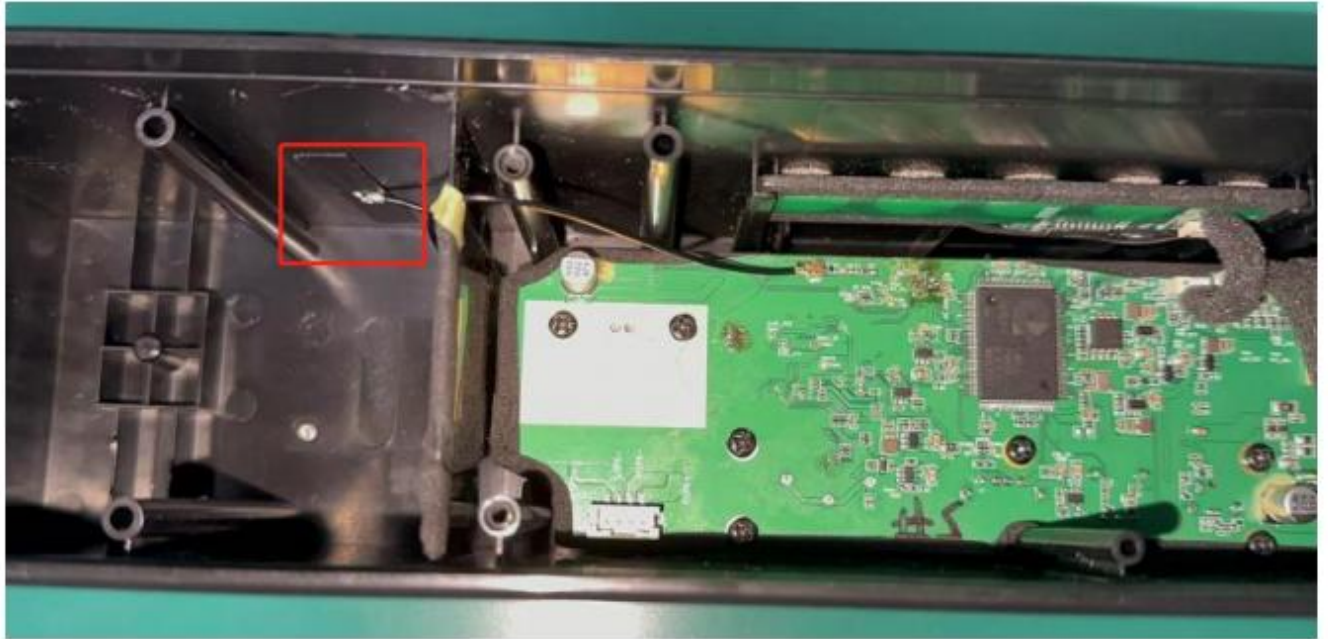
Freq (WIFI Efficiency)	Effi (%)	Gain (dbi)
2400	51.5%	1.75
2410	53.1%	1.79
2420	54.9%	1.82
2430	57%	1.92
2440	60.7%	1.99
2450	60.8%	2.01
2460	61.3%	2.08
2470	58.2%	1.95
2480	54.4%	1.8
2490	52.7%	1.76
2500	50.9%	1.73



2.2.3 BT active parameters

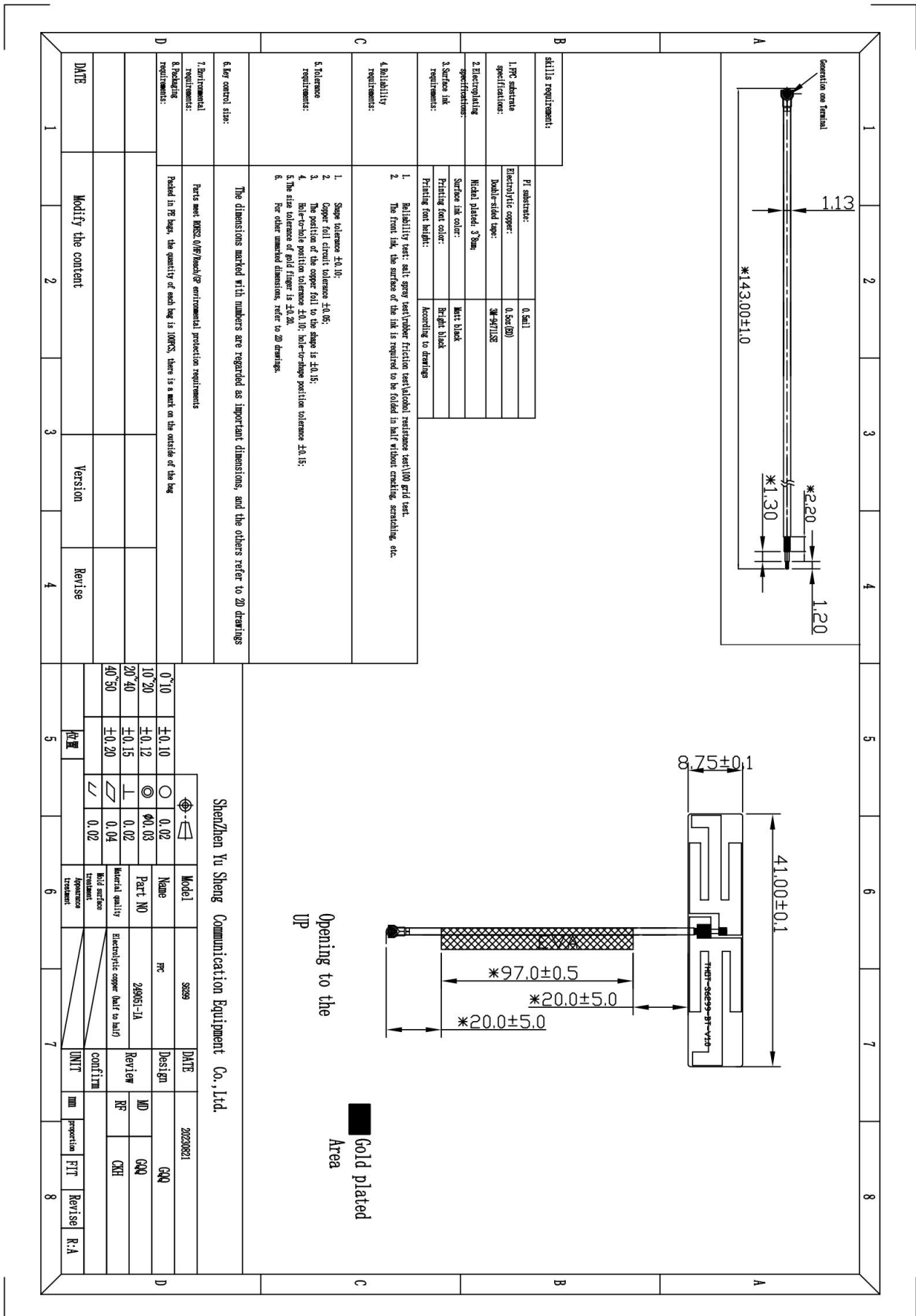
Channel No.	Free space test data	
	TRP (dBm)	TIS (dBm)
0	2.56	-88.05
39	2.41	-88.32
78	2.35	-88.63

2.2.4 Location of the antenna



Horn row from the sky, build row slot in this position

3. structural drawings



4. List of materials

ShenZhen Yu Sheng Communication Equipment Co.,Ltd.

249051 (S6299) –BOM

File No

Edition: R:A

client:249

Model: 249051

Established date: 20220821

Item	Part No	Name	Types of	version	specification	Material quality	colour	unit	Quantity	Craft
1	249051-IA	GSM antenna	Z	R:A	41.0*8.75*0.12 mm			PCS	1	Weld
1.1	249051-IA-01	GSM-FPC	W	R:A	41.0*8.75*0.12 mm	Electrolytic copper (half to half)	black	PCS	1	Gilded
1.2	249051-IB-01	1.13CABLE	W	R:A	1.13*143.00 mm	1.13 + Generation	black	PCS	1	Weld
1.3	249051-IB-01	EVA	W	R:A	12.00*97.00 mm	EVA	black	PCS	1	

The above parts meet the environmental requirements of ROHS2.0 HF Reach GP

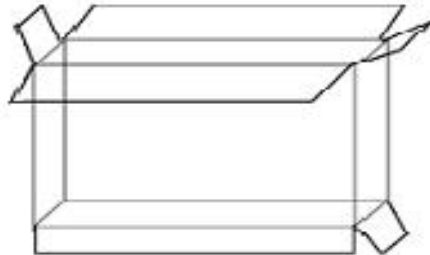
Type: W. Outsourcing B. Semi-finished products Z. Finished products C. Customer supply

Confirmation:

Review:

Production: GQQ

5. Package schematic diagram

Packaging method diagram		
product name	Antenna components	
P / N	antenna	
project name	S6299	
File details	Carton Size 1: 35 * 25 * 24.5 cm Carton Size 2: Depends on order quantity / quantity	
	Boating method	Packaging by order quantity
	Total number of binning	Packaging by order quantity
labeling requirement	Tag Size 1: Universal for 100 * 100 mm Tag Size 2: According to customer requirements	 3Nod料号:***** 流水号:V01875***** 数量: 100 供应商: V01875 供应商 P/N:***** Date Code:***** Lot No:***** 品牌: THOT 产地: CHINA  3od物料条码专用标签
Things need to be noticed		
1. Due to the limitation of order quantity, the packing method of each material is the box size according to the total quantity of order or the physical volume		
2. Storage temperature: room temperature		
3. Storage conditions: store them in a cool and dry place		