



Antenna Sample Confirmation From

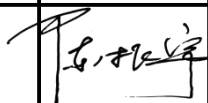
Guangdong Jianbotong

Stock Code:831958

深圳健海通天线技术有限公司

Antenna Specifications

Antenna Sample Confirmation From

Supplier Name Vendor Name	Shenzhen Jianhaitong Antenna Technology Co., Ltd. Shenzhen kenhaitong antenna technology co,ltd 301, Building B,HezhouZhongkenuoIndustrialPark,HezhouCommunity,HYangcheng Street, Bao'anDistrict, Shenzhen				
Customer Name Customer Name					
Sample name Sample Name	Bluetooth Antenna				
Product Model Part Number					
Sample Specifications Specification	red30.5*0.6mm				
Inspection items Inspection Item	Performance Testing Performance	Appearance inspection Total Appearance	structure structure	other Others	Test results Inspection Result
					
Remark Remark					
Quality Audit QA Audit	Huang Xia	Engineering Audit Engineer Audit	Feng Guoqing	Business confirmation Sales Confirm	Golden Spirit 13823389991
The following is filled in by the customer The following are filled by Customer					
Customer Opinion Customer Evaluation					
Customer signature/seal Signature/Chapter by Customer	date/date:				



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Antenna Test Report

Test unit: Shenzhen Jianhaitong Antenna Technology Co., Ltd. Test by: Shenzhen kenhaitong antenna technology co,ltd 301, Building B,HezhouZhongkenuoIndustrialPark,Hezhou Commu nity,HYangcheng Street, Bao'anDistrict, Shenzhen			
Material Material	Electronic wire antenna		
Antenna Type Antenna Type	MonopoleType	Polarization Polarization mode	Linear
Application Scenario Application			
Working frequency band Band	2400-2500MHz	VSWR VSWR	≤1.5
power Power	Max:2W	impedance Impedance	50Ω
Gain dBi	2.02dBi		
Test equipment Test Equipment	HPE5071C,Shielding Room,3D automatic turntable		
Antenna Description:: 1. Grounding processing and picture description: no 2. Need to change the motherboard to match: no - Test voltage: 3.6V, check the antenna contact is good before testing. - The RF cable of the integrated tester is kept in a natural state and can not be curled. Specification: test the specified power level, all indicators must conform to the specifications.			



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1, antennas and product images

2, Test fixture

3, Matching Circuit

4, S11 test

4.0 S11Test Method Description

4.1 S11parameter

4.2 S11Parameter picture

5, darkroom test equipment and data

5.0Test equipment

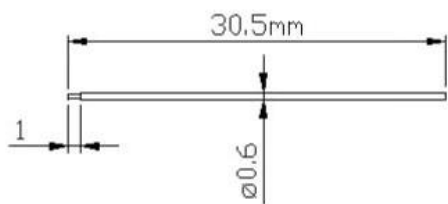
5.1Antenna Passive Efficiency and Gain

6, Antenna environment treatment

7, Reliability Test Report

8, Packaging

1, Antenna Specifications and Product Photos

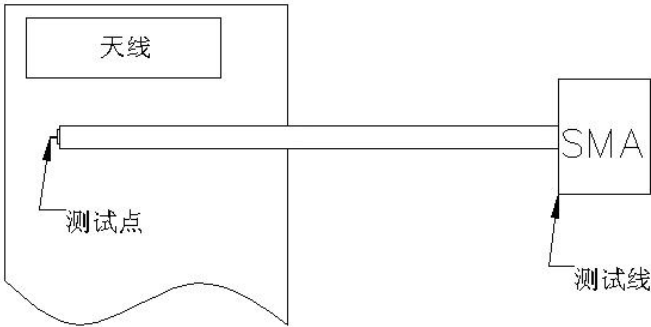




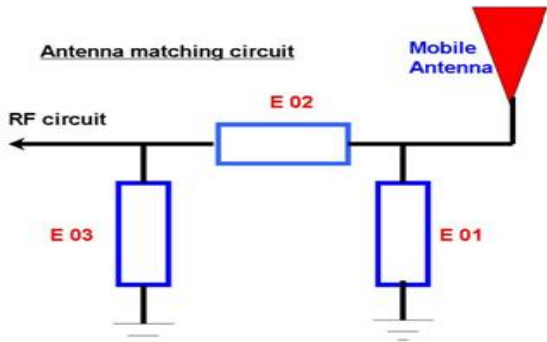
2, Test fixture

Purpose: To test the passive parameters of the antenna as accurately as possible.

Production method: The mobile tool is made of a500One end of the 1000 ohm coaxial cable is connected to the test point at the rear end of the matching circuit of the mobile phone motherboard (front end of the RF test hole), and the other end is connected toSMAConnector. The schematic diagram is as follows:



3, Antenna matching circuit/Antenna Matching Circuit



Modification point/Modify		
E01	E02	E03
No	No	No

Note: No modification is made to the match.



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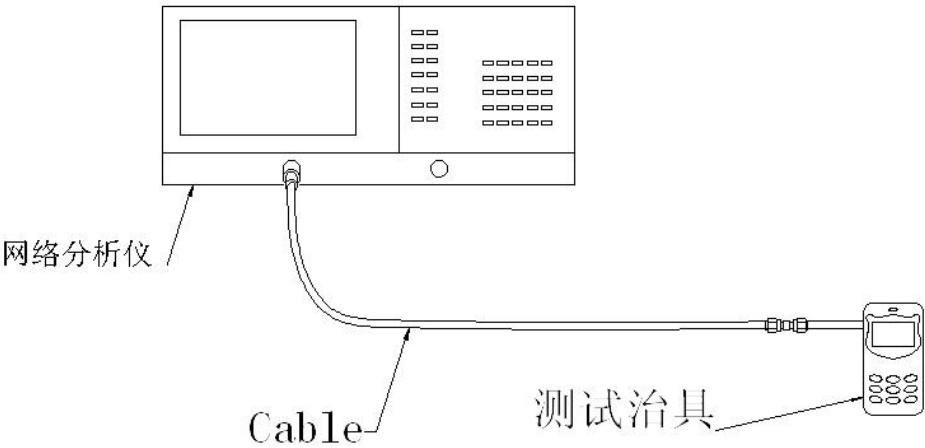
4,S11test

4.0 S11Test Method Description

Test equipment: Network analyzer (E5071C)

Test method: Use a 50-ohm CABLE cable to lead out from the instrument test port, calibrate it with the calibration kit, and then connect it to the SMA connector of the mobile phone tool. Record the return loss and standing wave ratio corresponding to the relevant frequency points.

The test diagram is as follows:



Test diagram

4.1 S11parameter

frequency(MHZ)	2400	2450	2483
VSWR	1.34	1.55	1.68





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5, darkroom test equipment and data

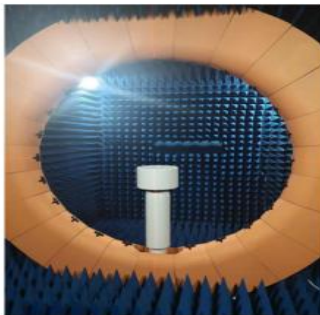
5.0 Test equipment

Test system: shielded darkroom

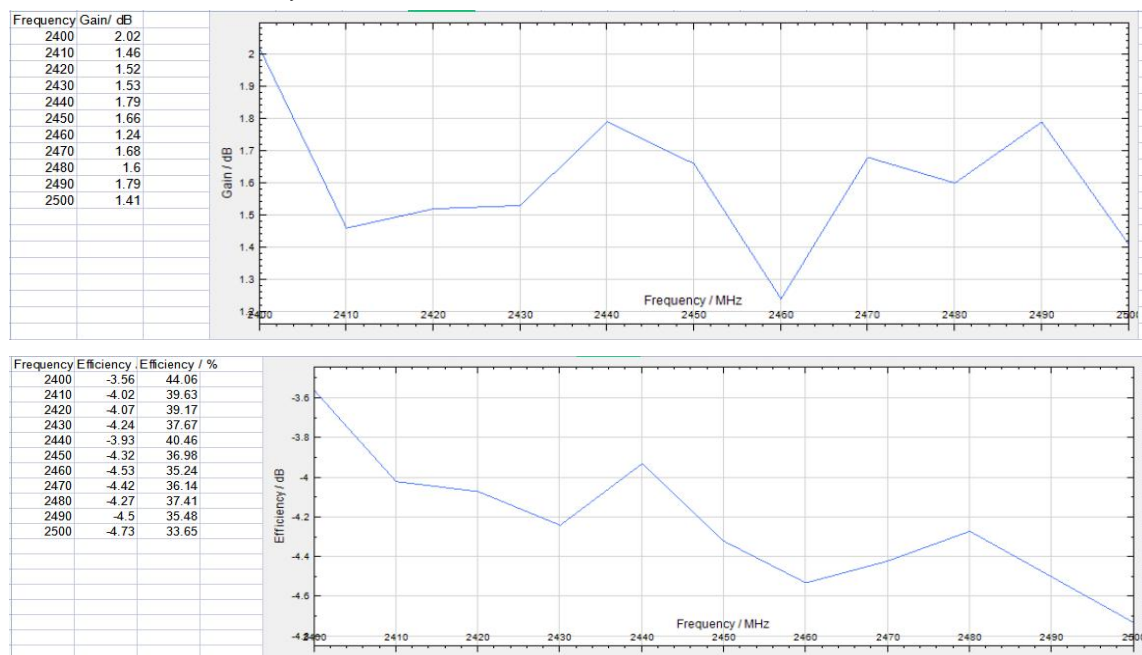
Test environment: Temperature $22^{\circ}\text{C} \pm 3^{\circ}\text{C}$, humidity $50\% \pm 15\%$

Test equipment: When testing passive data, use a network analyzer Agilent E5071C

When testing active data, use a comprehensive tester CMW500



5.1 Antenna Passive Gain and Efficiency



Address: 3rd Floor, West Side, Building 1, Zhongkenuo Industrial Park, Hezhou, Hangcheng Street, Bao'an District, Shenzhen

TEL:0755-85274764 FAX:0755-85274764

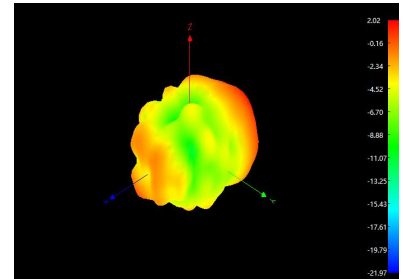
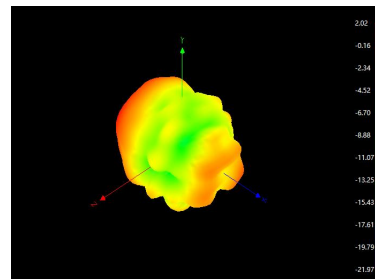
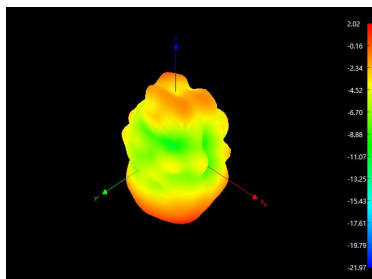
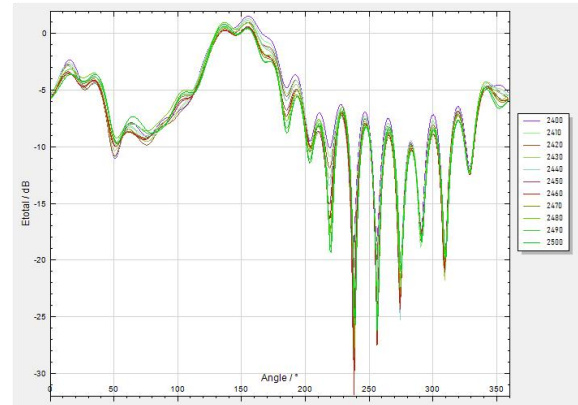
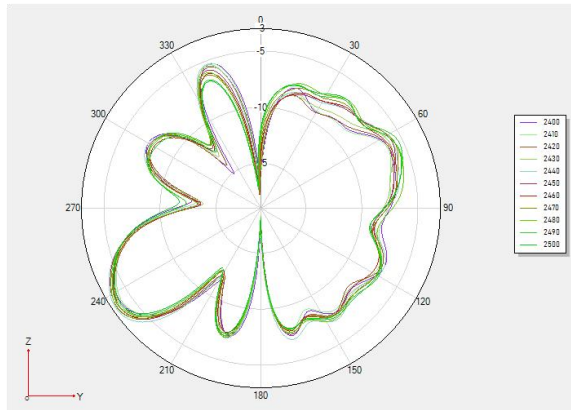


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8, Sample size inspection report

Sample size inspection report

Model: Intelligent lighting

Date: 2022-6-22

Test items		standard	Sample inspection status (value)					determination	Remark
			1	2	3	4	5		
antenna Structural dimensions	A1	30±0.05mm	30.1	30.03	30.04	30.02	30.03	qualified	
	A2	0.6±0.05mm	0.63	0.62	0.61	0.060	0.62	qualified	

Approved by: CZY

Reviewed by: CXM

Test: JXB



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Shenzhen Jianhaitong Antenna Technology Co., Ltd.				
Product packaging specifications				
Client: Zhou Shengxin		Packing Name:		Packing No.:
Bag material bright thin	serial number	Product Name	Specification	Dosage
	1	Sealed Bags	150*100	1/50
	2	Carton	350*250*250	1/10000
				Produce Taste picture Show
do Industry step Steps	1.Prepare the necessary packaging materials and place them in a location that is conducive to the operation.			Note meaning thing item glue.
	2.According to the product packaging specifications, use cartons/PEBag, packaging.			
	1000PCS/Package, each bundle1000Bao Gong10000PCS.			
	3.Each box1Package, total10000PCS, after filling the box, seal it with transparent tape.			
picture Show explain bright				
Preparation Note				
Approval		Audit	Production	date
JSB		DS	LSY	2022/6/22