




Antenna Sample Confirmation Form

Guangdong Jianbo Securities code: 831958

深圳健海通天线技术有限公司

Antenna specification Antenna Sample Confirmation Form

Supplier name: Vendor Name	Shenzhen JianHaitong Antenna Technology Co., LTD Shenzhen kenhaitong antenna technology co ,ltd				
Customer name: Customer Name					
Sample name: Sample Name	Bluetooth antenna				
Product model number, Part Number	C10- 35- 2.5				
Sample specification : Specification	Red , 30.5*0.6mm				
Inspection item Inspection Item	Performance test: Performance	Visual inspection of the Total Appearance	Structure of the structure	Others	result Inspection Result
					
remarks Remark					
quality audit QA Audit	Huang Xia	Engineering Review Engineer Audit	Feng Guoqing	Business confirmation Sales Confirm	13823389991
The following is completed by the customer The following are filled by Customer					
Customer opinion Customer Evaluation					

Customer's signature / seal Signation / C h apter by Customer	Date / date:
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Address: 3rd floor, west of No.1 Building, Hezhou Zhongkenuo Industrial Park, Hangcheng Street, Bao'an District, Shenzhen

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Antenna Test Report

Test unit: Shenzhen Jihaitong Antenna Technology Co., LTD Test by : Shenzhen kenhaitong antenna technology co ,ltd			
material Ma t e r i a l	Electronic cable antenna		
Antenna type Antenna Type	M o n o p o l e T y p e	Polarization mode Polarization mode	L i n e a r
application scenarios A p p l i c a t i o n			
Work frequency band Band	2400-2500MHz	standing-wave ratio VSWR	≤ 1.5
power Power	Max : 2W	impedance Impedance	50Ω
gain dBi	2.02dBi		
testing facility Test Equipment	HPE 5071C 、 Shielding Room 、 3D automatic turntable		
<p>Antenna Description ::</p> <p>1. Grounding processing and picture description : no</p> <p>2. Need to change the motherboard to match : no</p> <p>●● 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 .</p> <p>Specification :test the specified power level , all indicators must conform to the specifications .</p>			

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1. Antenna and product pictures

2. Test the treatment equipment

3. Matching circuit

4, and S11 test

.04 S 11 Description of the test method

4.1 S 11 parameters

4.2 S 11 parameter picture

5. Dark room test equipment and data

5.0 Test the equipment

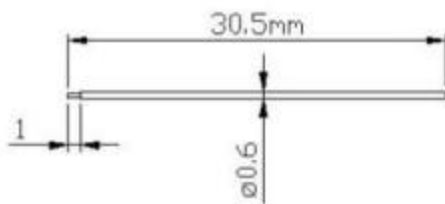
.15 The antenna has a passive efficiency and a gain

6. Treatment of the antenna environment

7. Reliability test report

8. Packaging method

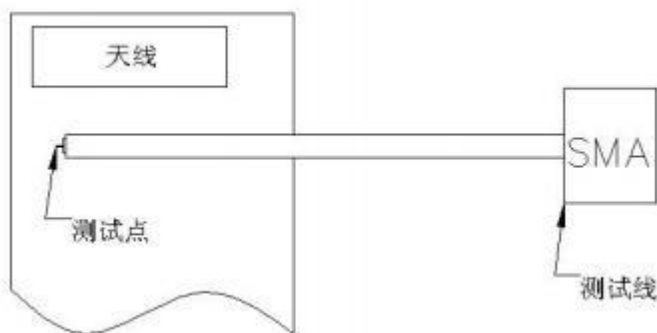
1. Antenna specifications and product pictures



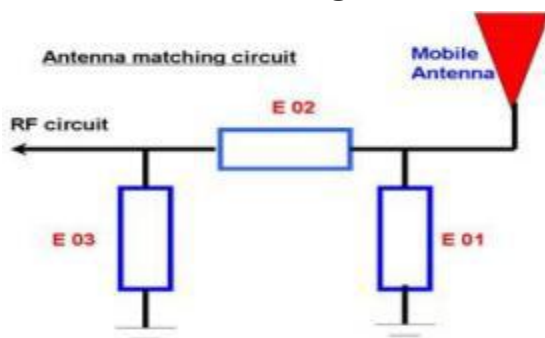
2. Test the manufacturing equipment

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

Preparation method: The hand mechanism uses a 50 ohm coaxial cable, one end is connected to the test point of the back end of the matching circuit of the mobile phone motherboard (the front end of the RF test hole), and the other end is connected to the SMA connector. The schematic diagram is as follows:



3, the antenna matching circuit / Antenna Matching Circuit



Modify the point / Modify

E 01	E 02	E 03
No	No	No

Note: Match without modification.

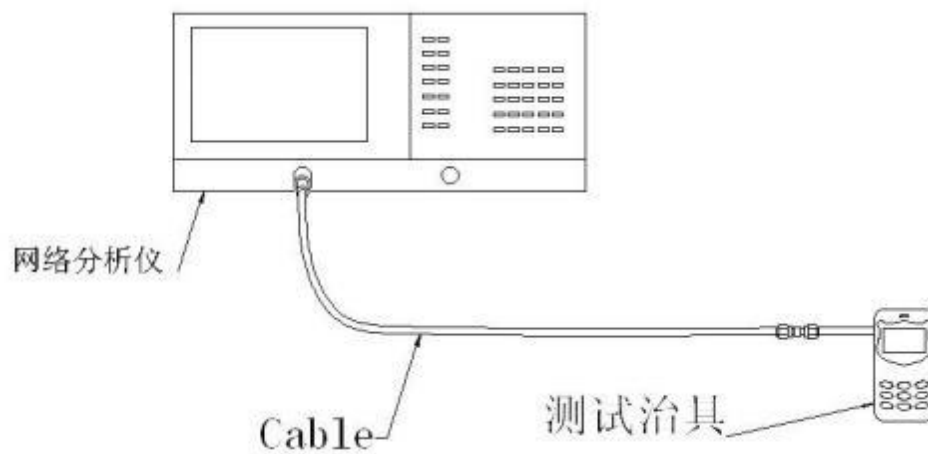
4, and S 11 test

4.0 S 11 Description of the test method

Test Equipment: Network Analyzer (E 5071C)

Test method: Export a 50 ohm CABLE cable from the instrument test port, use the SMA connector of the calibration, and record the echo loss and standing wave ratio corresponding to the relevant frequency point.

The test schematic diagram is as follows:



Schematic diagram of the test

4.1 S 11 parameters

Frequency (MHZ)	2400	2450	2483
standing-wave ratio	1.34	1.55	1.68





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5. Dark room test equipment and data

5.0, to test the equipment

Test system: shield the dark room

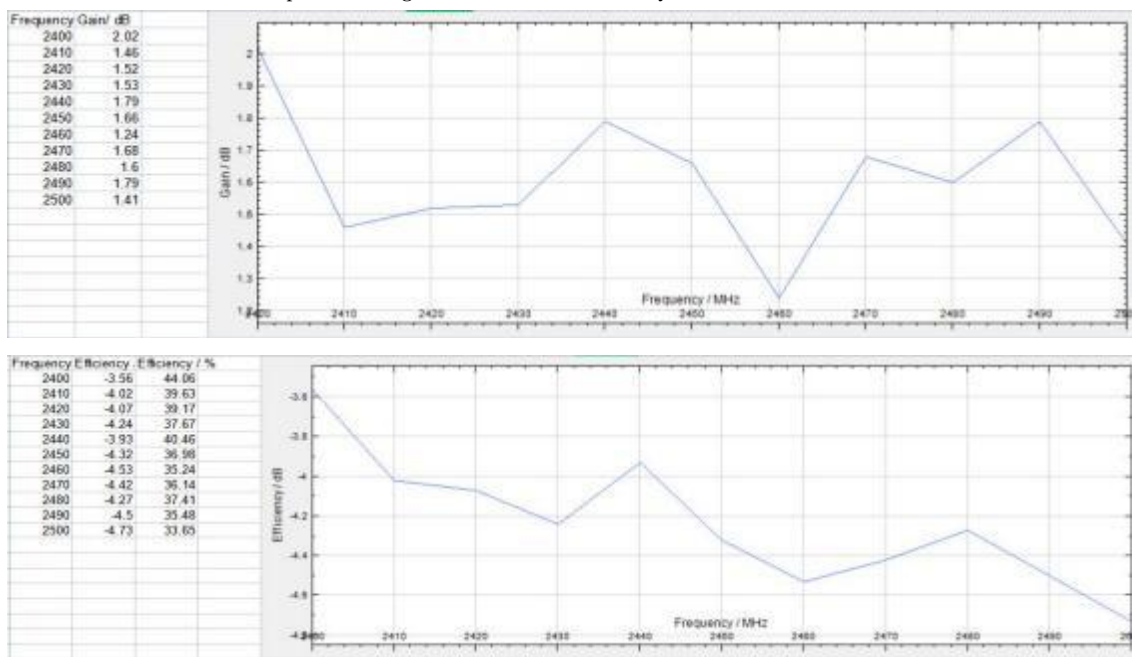
Test environment: temperature $22\text{C} \pm 3\text{C}$, humidity $50\% \pm 15\%$

Test equipment: Use the network analyzer AgilentE 5071C when testing the passive data

When testing active data, use the comprehensive meter CMW 500



.15 Antenna without passive gain and efficiency



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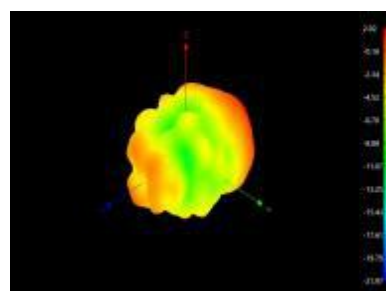
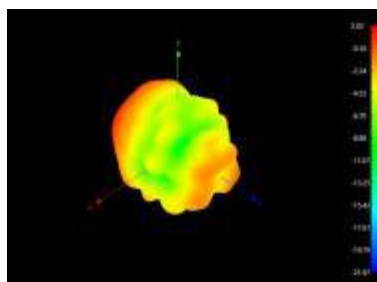
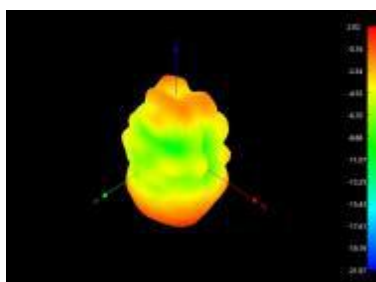
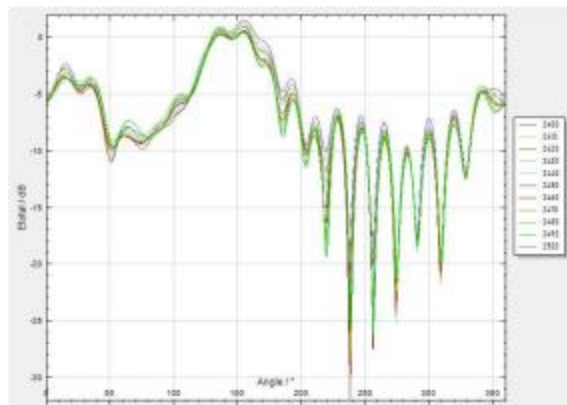
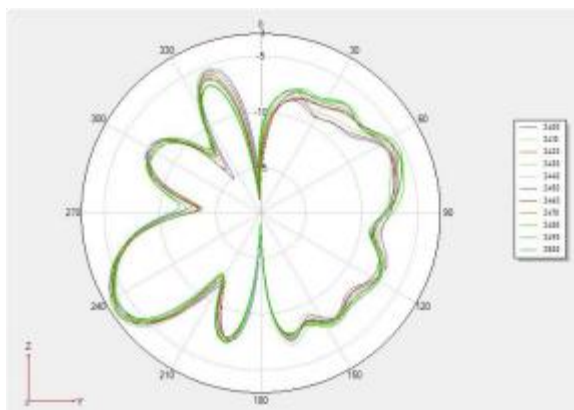
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8. Sample size inspection report

Sample size inspection report

Machine type: intelligent lighting

Date: 2022-6-22

surveillance project	standard	Sample test status (value)					judge	remarks	
		1	2	3	4	5			
Antenna structure dimensions	A 1	$30 \pm 0.05\text{mm}$	30.1	30.03	30.04	30.02	30.03	qualified	
	A 2	$0.6 \pm 0.05\text{mm}$	0.63	0.62	0.61	0.060	0.62	qualified	

approval:CZY

examine and verify:CXM

test:JXB



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Shenzhen JianHaitong Antenna Technology Co., LTD

Operating specification for product packaging

Customer: Zhou Shengxin		Packaging name:		bale number:	
Details of the packaging materials	number	name of a part	specifications	dosage	Diagram representation of
	1	Cover the pocket	150*100	1/50	
	2	carton	350*250*250	1/ 10000	
job step	<p>1. Prepare the required packaging materials and put them in a favorable operation position.</p> <p>2. Package in carton / PE bags according to product packaging specifications.</p> <p>1000 PCS / pack, 1000 packs per 10000 PCS.</p> <p>3. Put 1 package in each box, a total of 10000 PCS. After filling the box, seal the box with transparent tape.</p>				matters need attention
	<p>1. The operator must wear gloves for operation. 2. Pay attention to the number of boxes, not more, less. The mantissa must be indicated. 3. Carton boxes should not be stacked too high. To prevent heavy pressure overflow glue.</p>				

Figure illustration				
remark				
approval	examine and verify	fabrication	date	
JS B	DS	LS Y	2022/6/22	

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