

Shenzhen Jinhong Wireless Technology Co., Ltd Product Specification					
Part Description	Client : D&D		Specification : JHEHSX2306-174		
	Vendor :		Description :		
	Product Name : Bluetooth antenna		Project : : RT322		
	Part NO :		Version : A1		
Attachments	☒ Spec	Drawing	☒ Sample	☐ ROHS Repot	
	☒ Cpk Report	☒ FAI Report	☒ Reliability Report	☐ Safety Report	
	☐ QC Flow Chart	☐ Molding conditions	☒ Material Verification Sheet		
	☒ Packing Content	3C Certificate	☒ <i>Material inspection standard</i>		
Vendor	Design: 胥万芳		Check: 郑翠兰	Approval: 彭发辉	
Technology check	Mechanical/sign:		Hardware/sign:		
	ID/sign:		Market/sign:		
	DQE/SQE/sign:				
Final check	Quality planning:		ROHS: ☐ Rohs Material ☐ No Rohs Material		
Approval condition	☐ Approved		☐ Reject		
	☐ Condition approved				
	☐ Temporary approved				
Approval by	RD Leader(Technology Director):		Quality Director:		
Distribute	☐ IQC ☐ Purchase (supplier) ☐ Sample/Document ☐ Outsourcing ☐ Other				

Content

1 . Content.....	2
2 . Instructions.....	3
3 . Product specifications.....	3
4 . Reliability test.....	4
5 . Electrical performance test.....	5
5.1 :Test equipment and environment.....	5
5.2 : Antenna active test data.....	5
6 . Engineering drawings.....	6
7 . Installation instructions.....	7
8 . Packing method.....	7

2 . instructions

This report includes several equipment, test environment and test results for the electrical performance of the antenna, as well as structural drawings and inspection reports of the antenna. Below is a picture of the antenna.



3 . Product specifications

Electrical Specifications	
Frequency Range (MHz)	2400-2500
Gain (dBi)	1.51
VSWR	≤ 2.0
Input Impedance (Ω)	50
Polarization	Vertical
Maximum input power (W)	2
Input connector type	
(mm)	
Mechanical Specifications	
Dimensions (mm)	10.3*20.3
Antenna weight (kg)	1g
Antenna color	black

4 . Durability test

1	SAIT SPRAY TEST	Brine spray test: distilled water according to GB1266-86 standard: single distillationPH6.5~7 Spray volume: 1.4me80cm ² / H compressed air pressure: 1kgf / cm ² Test Relativity: 98 ° Temperature: 45 ° ~ 47 ° Pressure temperature: 35 ° Test time: 24hr	All characteristic range is 30% of the initial value
2	HEAT TEST	85+2℃ for 96 hours, after keep in normal condition for 30min the to test.	
3	HUMIDITY TEST	for 96hours, after keep in normal condition for 30min the to test.	
4	COLD TEST	-40+2℃ for 96hours, after keep in normal condition for 30min the to test.	

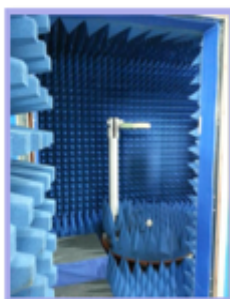
5 . Electrical performance test

5.1: Test equipment and environment

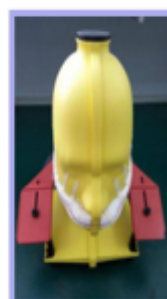
测试设备



SATIMO-24



ETS



模拟人头手



安捷伦8960



安利MT8820C



CMW500



安捷伦E5071C

测试系统

测试环境

有源测试

无源测试

SATIMO—24

温度: $22^{\circ}\text{C} \pm 3^{\circ}\text{C}$

支持2G/3G/4G

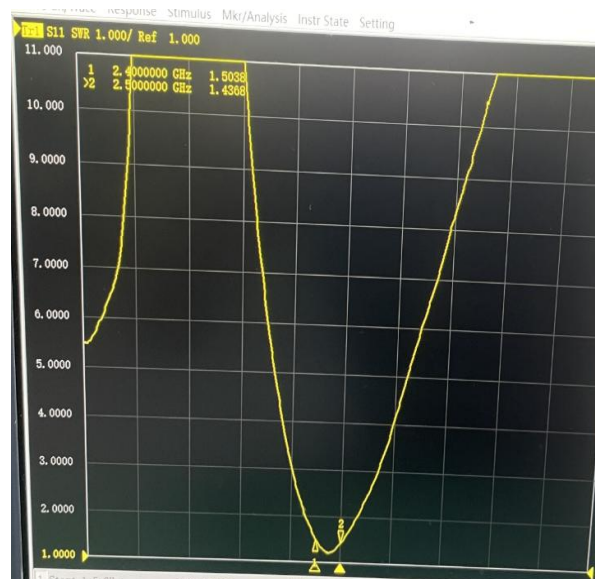
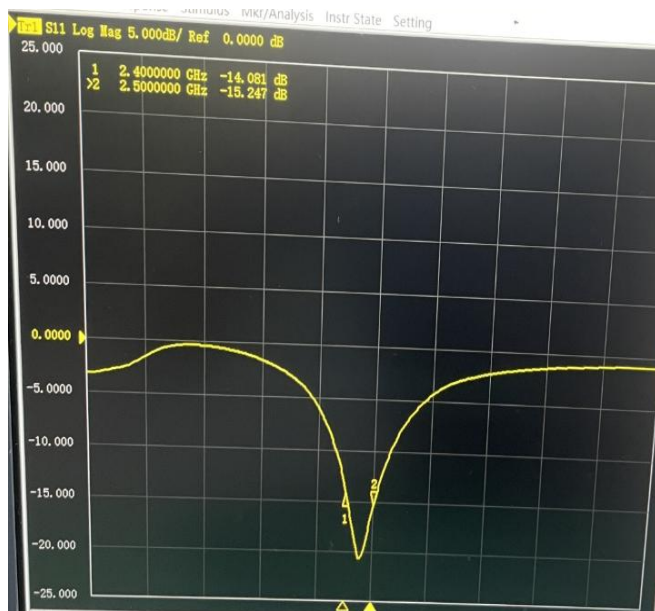
400MHZ—6G

ETS

湿度: $50\% \pm 15\%$

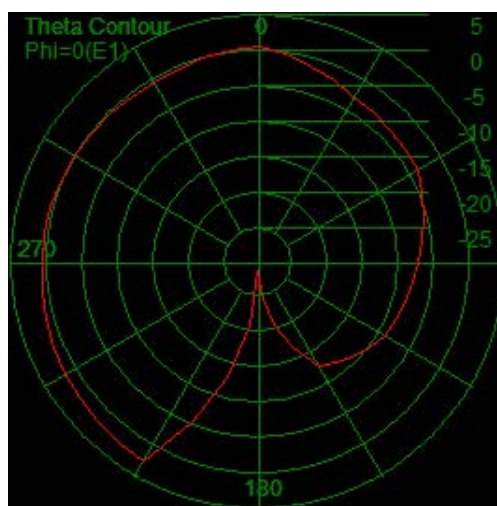
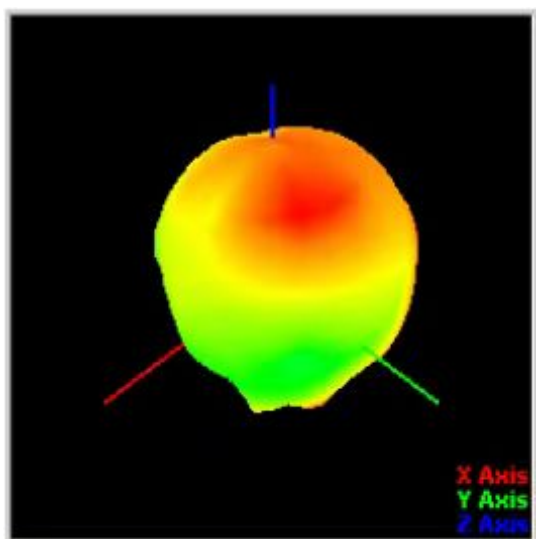
BT/WIFI/GPS

5.2:Antenna Active test data

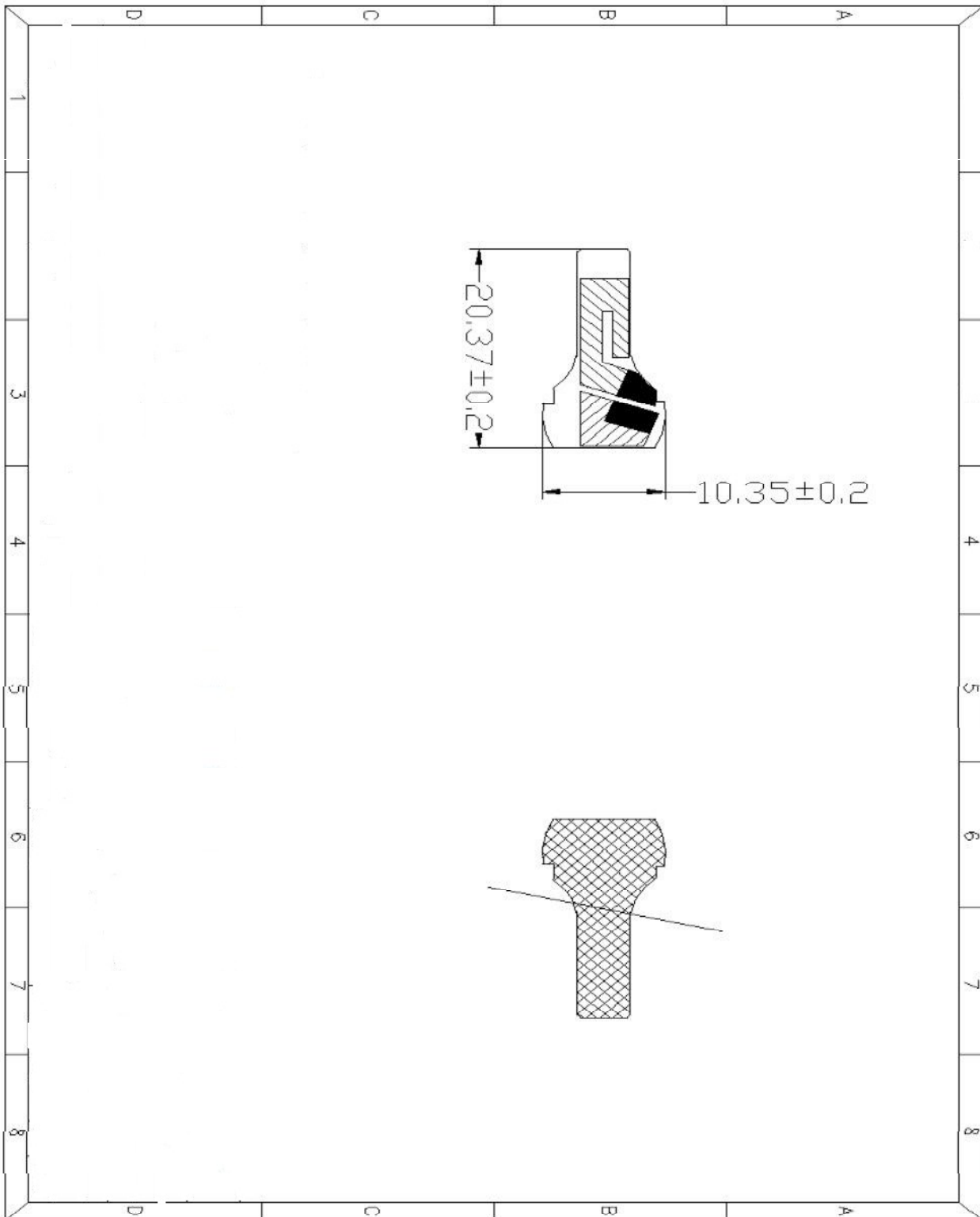


Gain and efficiency

frequency(MHz)	2400	2450	2500
efficiency(%)	47.1	45.1	41.1
Gain(dbi)	1.51	1.43	1.20



6. Engineering drawings



7. Installation instructions

8.Packing method

Inside:

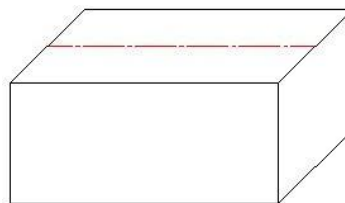
PE bag packaging, 100pcs / bag



PE bag size: 30*180

External :

carton packaging, 100 bags / box



carton packaging size 330*270*220

Factory address: Room 301, Building B1, Weiye Innovation one
eight Industrial Zone, Nanchang Baoyuan Road, Nanchang Community, Xixiang
Sub-district, Bao'an District, Shenzhen