



规格承认书

Approval Sheet

客户名称 Shenzhen Sound Bass Technology Co., Ltd.

(Customer Name)

产品名称 BT118A Antenna

(Specification)

客户料号 _____

(Customer P/N)

产品料号 _____

(O/I)

送样日期 2024-02-04

(Date)

频段	WIFI		
版本	A		
射频	陈彦博	确认	
结构	杨学忠		
客户确认			
日期			

Null

1.Project picture

2.test fixture

3.building-out circuit

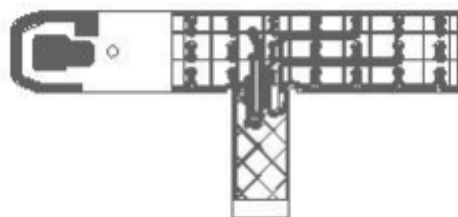
4. Test electrical performance

4.1 Test method specification standard

4.2 Parametric picture

5.structural drawings

1. Project picture (for reference only)

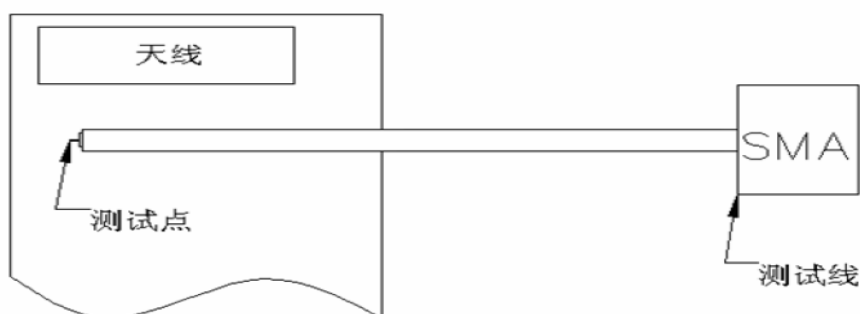


WiFi antenna

2. Passive testing

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

Method: This fixture is a 50 ohm coaxial cable, one end of which is connected to the test point at the back end of the matching circuit of the mobile phone motherboard (the front section of the RF test hole), and the other section is connected to the SMA connector. The details are as follows:

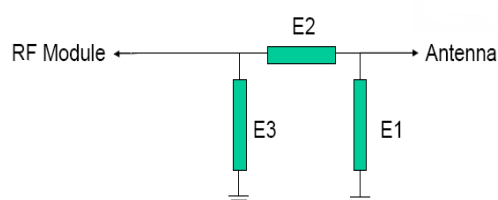


The following table is a test of the performance of the BT118 BT production antenna:

BT118 BT antenna				
	frequency(MHz)	VSWR	frequency (MHz)	VSWR
frequency	transmitting terminal		receiving end	
BT	2400-2550	≤ 2.0	2400-2550	≤ 2.0

3.building-out circuit

Antenna (match unchanged)



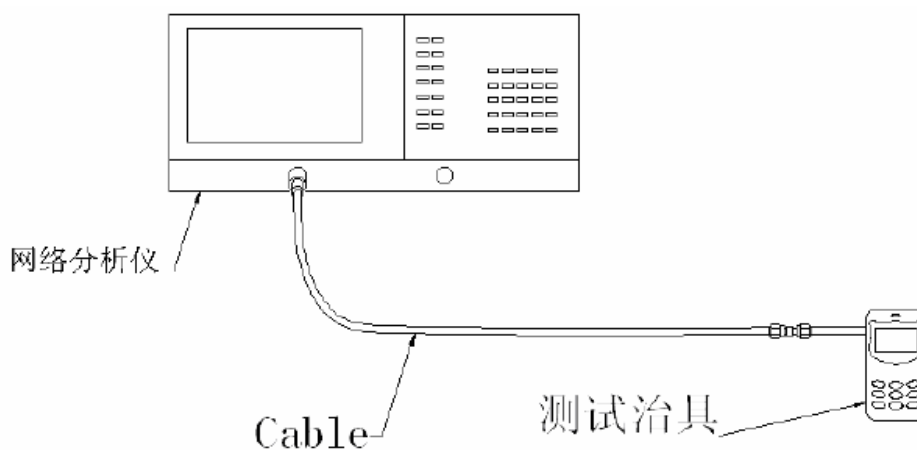
Element	Matched value
E1(0402)	
E2(0402)	0 Ohm
E3(0402)	

4. Test

4.1 Test method specification standard

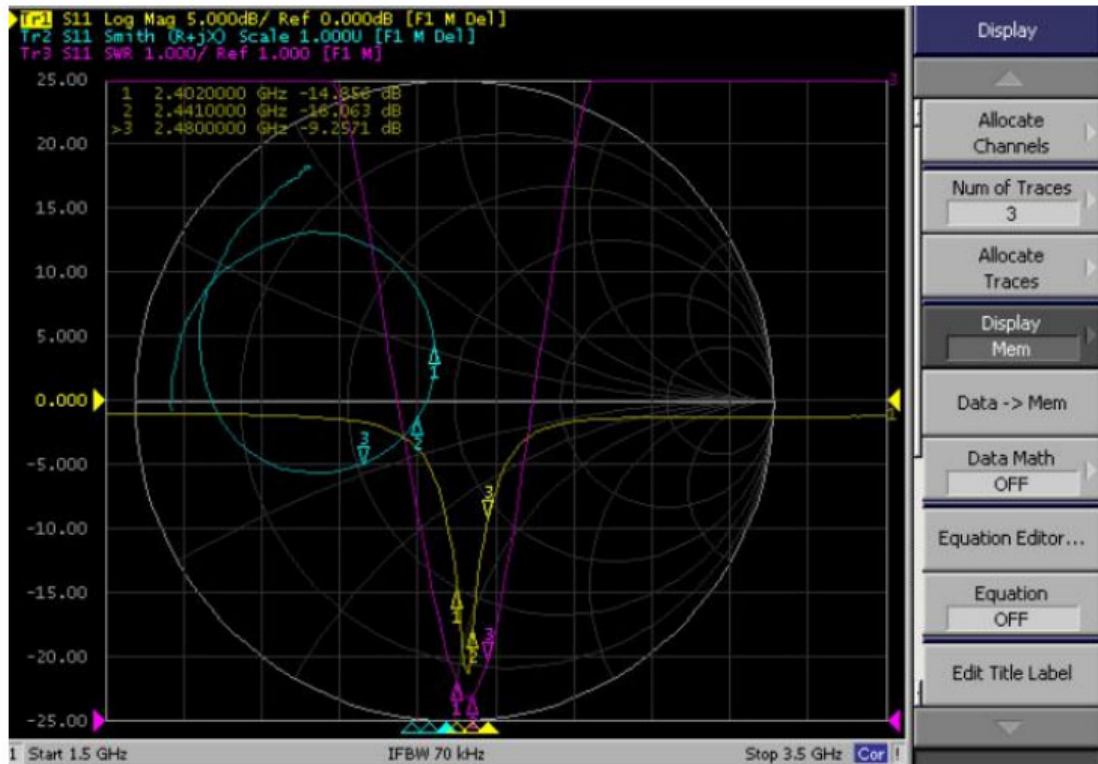
VSWR The test devices are successively connected as: E5071 Bnetwork analyzer→50 ohm coaxialCable→120mmLong copper pipe→test fixture。

Test fixture processing: From the antenna 50 ohm test point on the PCB of the mobile phone with a hard cable to lead out the SMA-J connector, connected with the copper tube with a choke, and then connected to other devices in turn。



Test diagram

Passive return loss/standing
wave ratio/impedance diagram::



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Efficiency/gain

Passive Test For BT		
Freq	Effi	Gain
(MHz)	(%)	(DBi)
2402	26.14	-0.36
2441	26.53	-0.31
2480	26.58	-0.27

Active OTA data

ANT EIRP& Parmeter .Summary						
频段	BT 2.4G					
信道	0	39	78			
Peak EIRP(dBm)	4.41	4.89	5.32			
Min EIS (dBm)	-89.84	-90.43	-90.48			

