

JH-101

OTA Test Report

Client	Shenzhen Jiuhu Technology Co.,Ltd
Product	JH-101 Bluetooth over ear headsetJH-101
Engineer	Yang Wensheng
Tel:	13422893817
E-mail:	RD54@boomtech.com
Date	2023-03-27
Company	Baitai Industry
Address	Floor 2,Building E,Baoan Zhigu ,No.4 Yintian Road,Xixiang Street,Baoan District,Shenzhen

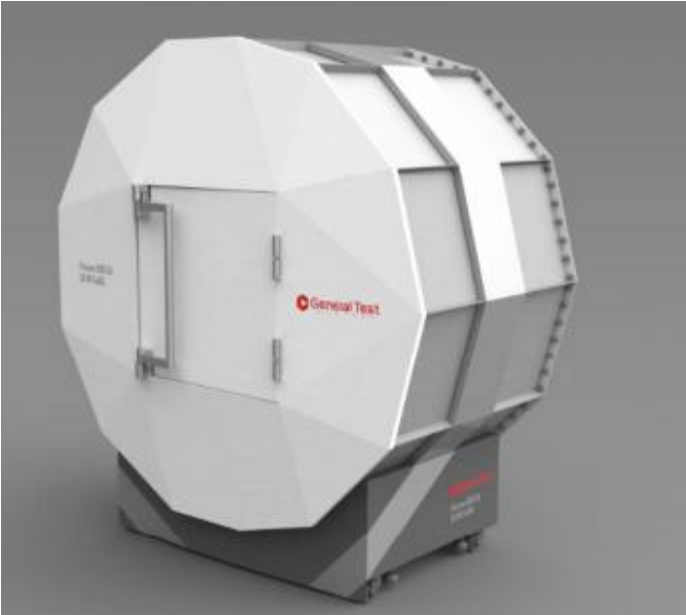
Report catalog

- ⊗ Testing equipment
- ⊗ Sample visual looks
- ⊗ Matching parameter
- ⊗ S-parameters for network division antenna
- ⊗ Measurement of antenna efficiency field pattern in microwave darkroom
- ⊗ Microwave darkroom test OTA active data
- ⊗ Pull distance test
- ⊗ Summary of commissioning test

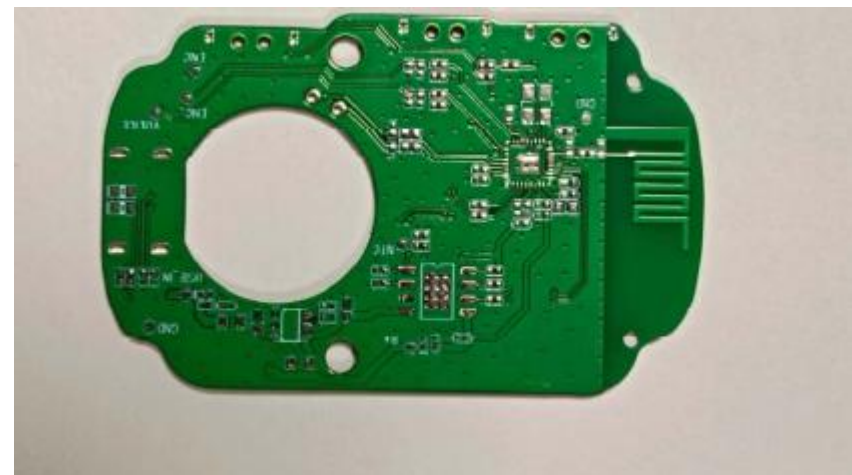
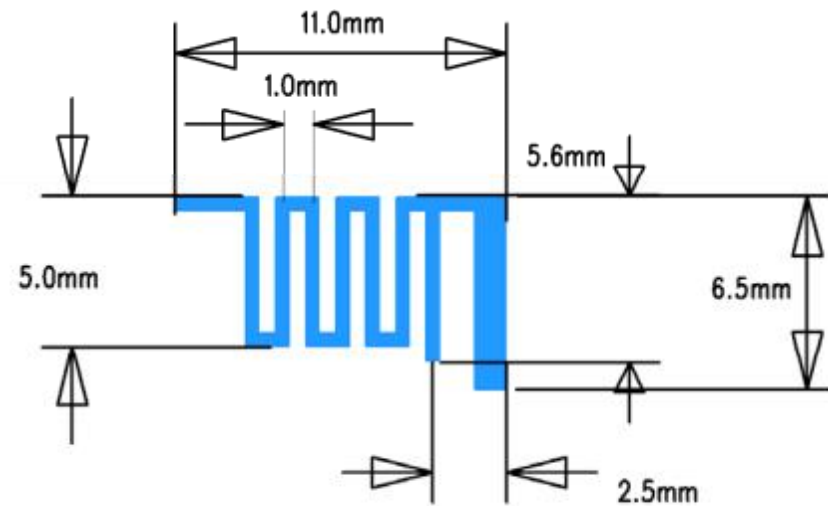
Testing condition

- 1. S Parameter measurement
- 2. Equipment: network analyzer (Agilent E5062A), Microwave darkroom, MT8852B
- 3. Project: Impedance, Return loss, VSWR, efficiency, gain, Radiation field pattern, sensitivity, power watts, Frequency offset, Active data TRP TIS



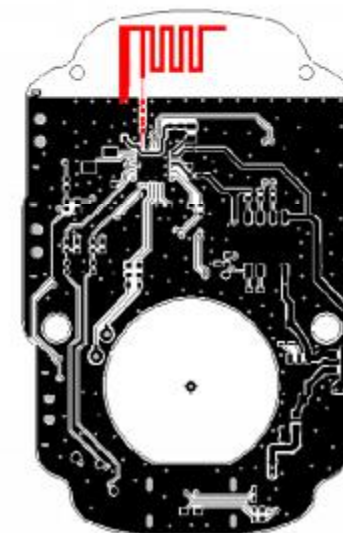
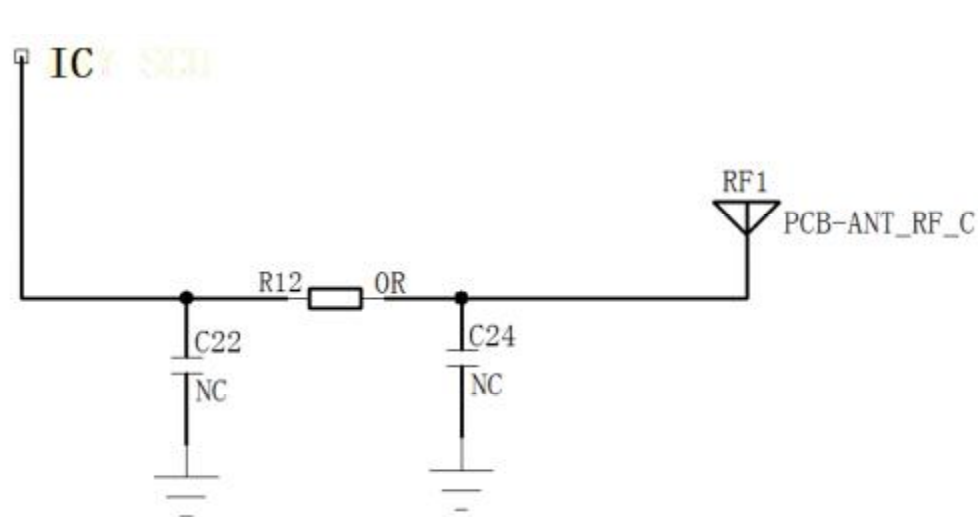


Sample visual looks, antenna visual looks



Characteristics	Specifications
Working Frequency	2400~2500 MHz
Gain	0 dBi
Impedance	50 Ω

Matching parameter



number	Model	Speciflcation	maufac turer	Maten al number	toleran ce	
R12	resistance	0 Ω				
C24	NC					
C22	NC					

S-parameters for network division antenna

Debugging waveform



Measurement of antenna efficiency field pattern in microwave darkroom



1. Measurement of antenna efficiency in microwave darkroom

Characteristic evaluation	☐ Please tick according to actual test
6%	Low ☐
10%	Middle ☒

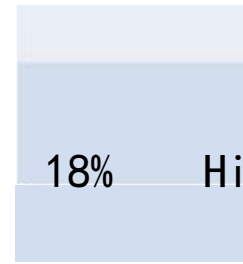
y



z



X



18% High

Complete finished product free field OTA data

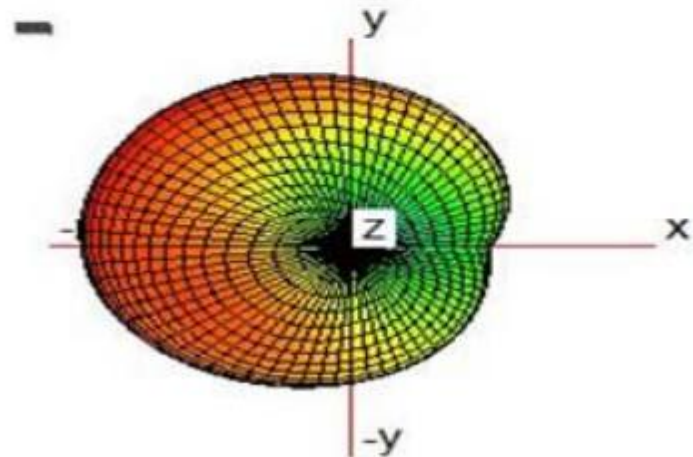
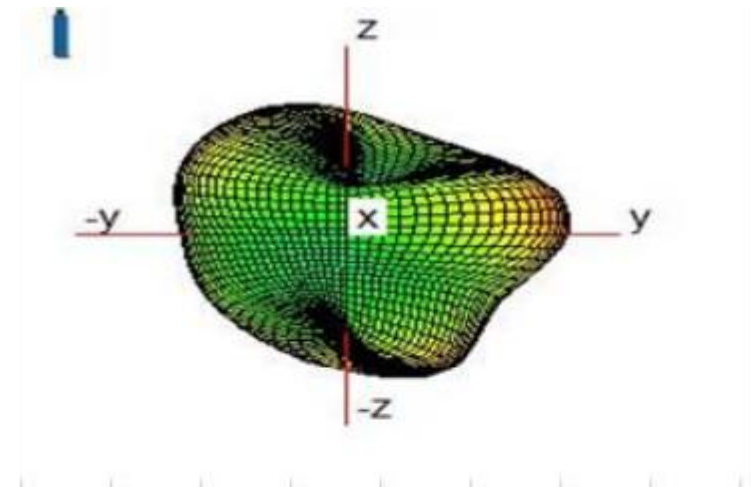
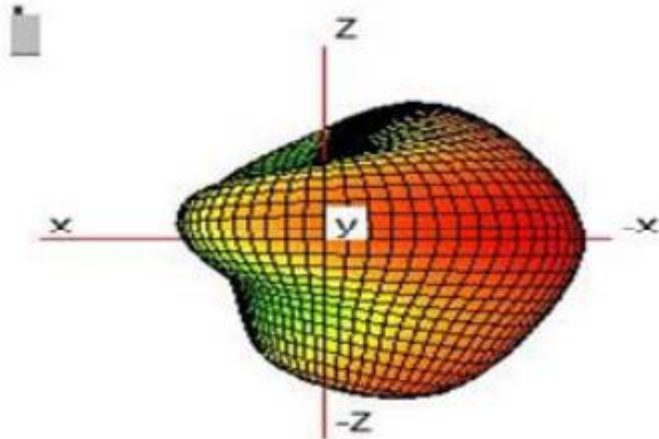
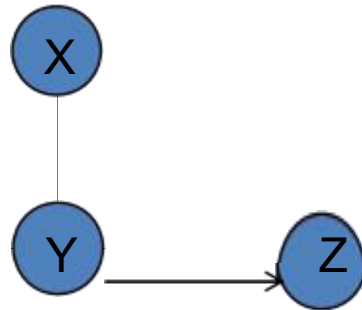
	Channel	TRP power watts (dBm)	TIS sensitivity (dBm)
JH-101	CH 0	5.86	-88.46
	CH 39	6.33	-88.43
	CH 78	5.62	-88.08

Complete finished product of head OTA testing data

	Channel	TRP power watts (dBm)	TIS sensitivity (dBm)
JH-101	CH 0	2.88	-85.87
	CH 39	3.85	-86.27
	CH 78	3.59	-86.38

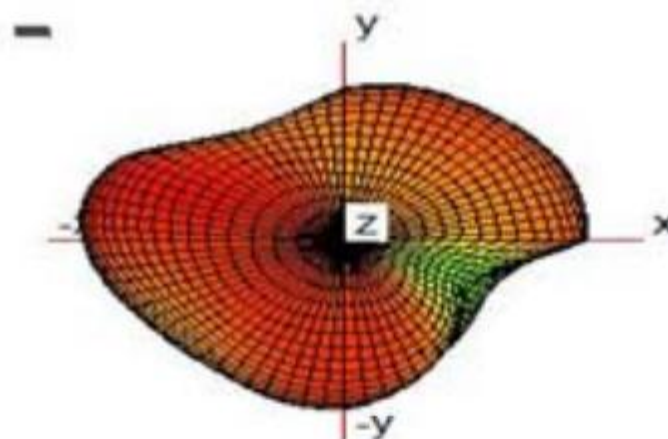
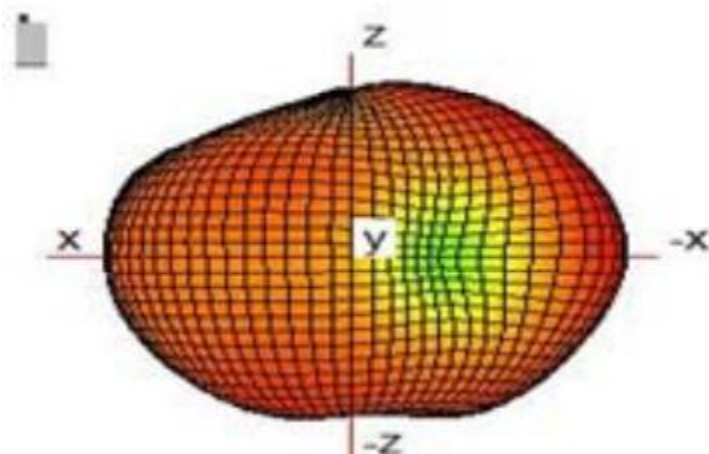
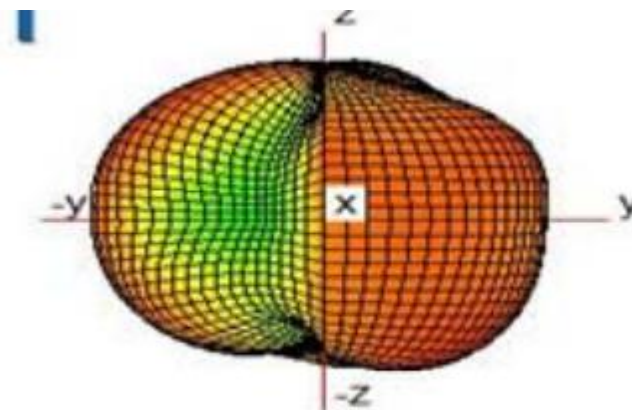
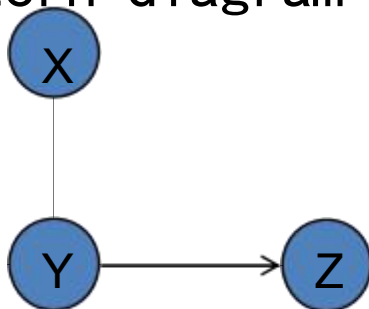
Microwave darkroom simulation of head field type

Field pattern diagram



Microwave-darkroom free field type

Field pattern diagram



Pull distance test

a. Environment /Mobile phone

Testing project	testing distance		Pocket test requirements (please describe below Project Test Distance)		Remarks
Apple 6S	6m	Low	Right fron	OK	
	8m	Middle	Left front	OK	
	10m	High	Right after	OK	
			Left after	OK	