

## Antenna Sample Datasheet

customer:	Shanghai Evoiot Intelligent Technology Co., LTD
entry name:	JH4006
Material category:	BT antenna
Antenna Type	Monopole
Antenna Material	FPC
edition:	A0
Date:	2023. 12. 21

## Contents

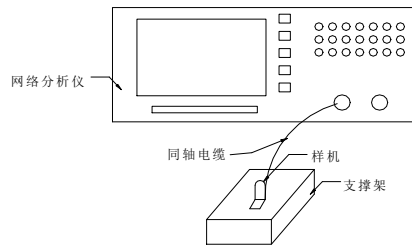
1: Antenna test equipment.....	1
2: Passive test report.....	3
3: Matching circuit.....	5
4: Structural drawing.....	6

# 1: Antenna test equipment

List of meters: Agilent 5071B;

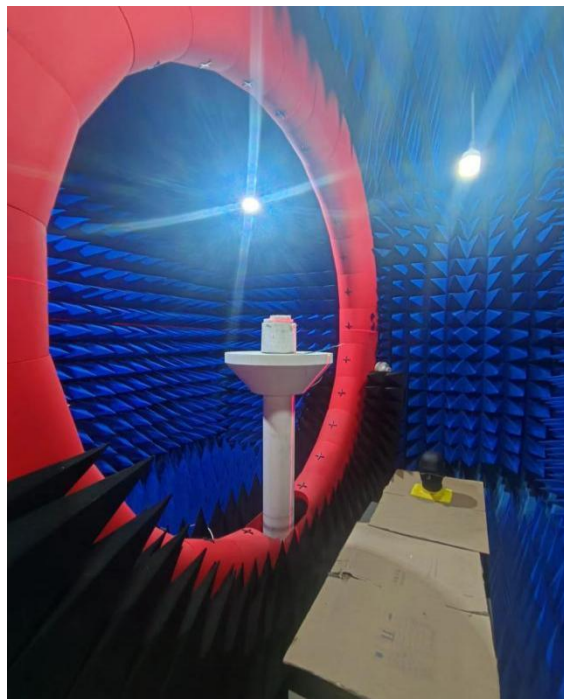


## 1.1 The principle diagram of the ETS anechoic chamber



Picture1. Antenna static test connection method

## 1.2 Pictures of the ETS anechoic chamber



Inside the ETS anechoic chamber

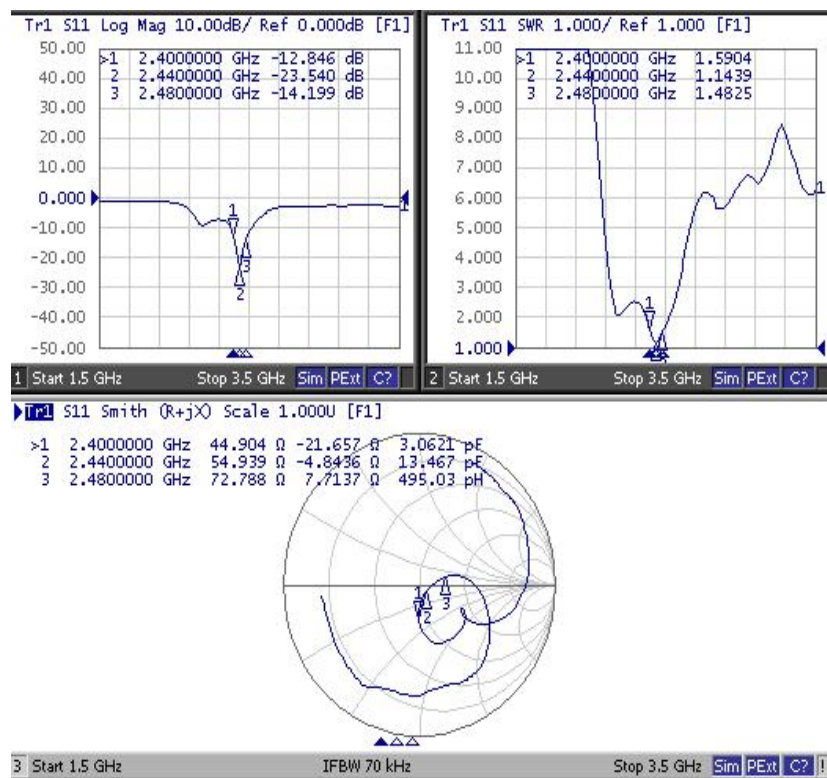


Test Machine

Address: Room 1308, Block A, Zhantao Technology Building, Minzhi, Longhua District, Shenzhen  
地址：深圳市龙华区民治展滔科技大厦 A 座 1308 室

## 2: Passive test report

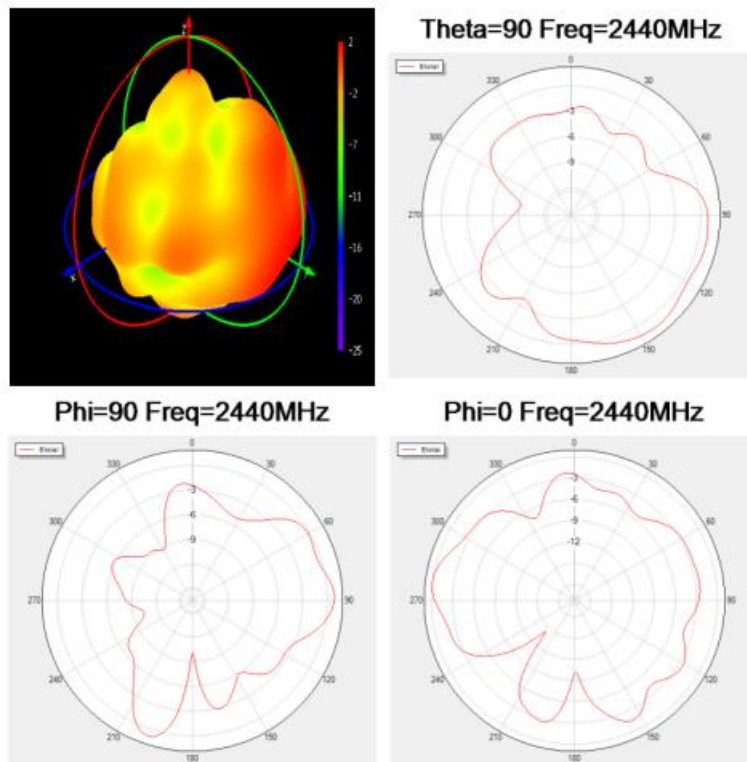
### 2.1: BT antenna S11 parameters



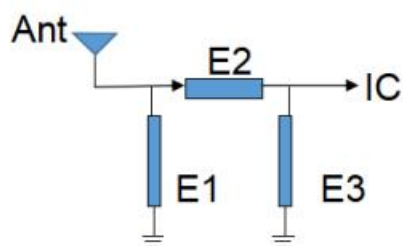
### 2.2: Passive efficiency of antenna

Freq(MHz)	Gain(dBi)	Efficiency(%)
2400	1.26	43.59
2410	1.22	45.92
2420	1.23	46.17
2430	1.12	47.85
2440	1.97	45.29
2450	1.79	46.99
2460	1.59	46.52
2470	1.45	45.78
2480	1.42	44.23
Mean value	1.45	45.82

### 2.3: Passive pattern of BT antenna



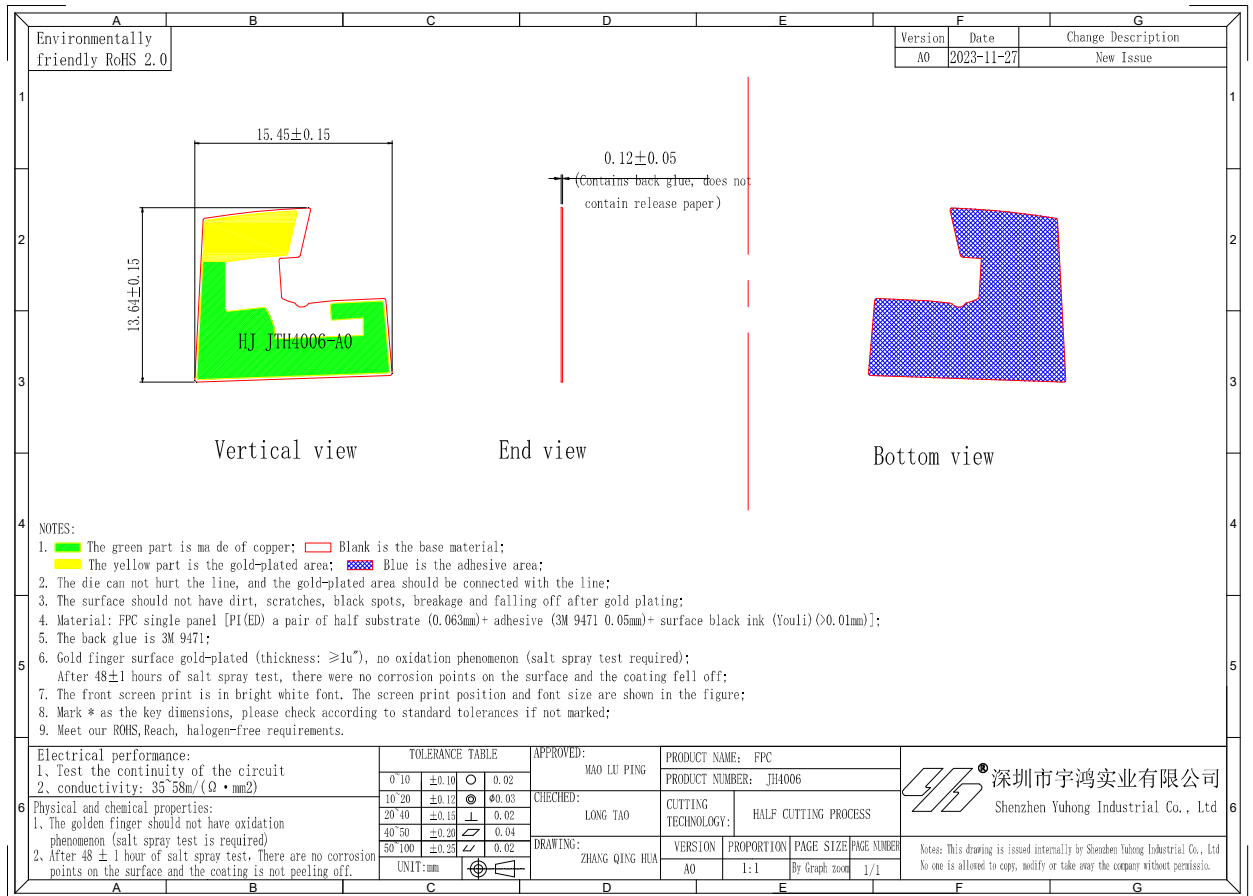
### 3: Matching circuit



Element	Value
E1	4.7nH
E2	0Ω
E3	N/C



### 4: Structural drawing





深圳市宇鸿实业有限公司

Shenzhen Yuhong Industrial Co., Ltd

## 5: Antenna diagram



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