

## Antenna Sample Datasheet

customer:	Shenzhen Yuanhang electronic Technology Co., LTD
entry name:	PM122
Material category:	BT antenna
Antenna Type	Monopole
Antenna Material	FPC
edition:	A0
Date:	2024. 6. 11

Antenna manufacturer: Hongji Wireless Communication (Shenzhen) Co., LTD

<http://www.honant.com.cn>

Address: 12 / F, West Block B, Building 8, Huaqiang Creative Industry Park,  
Sightseeing Road, Guangming District, Shenzhen

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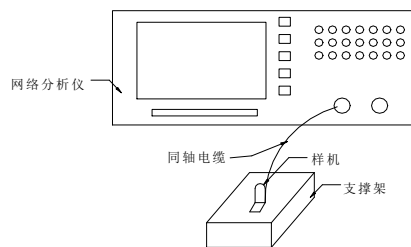
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## 1: Antenna test equipment

List of meters: Agilent 5071B;

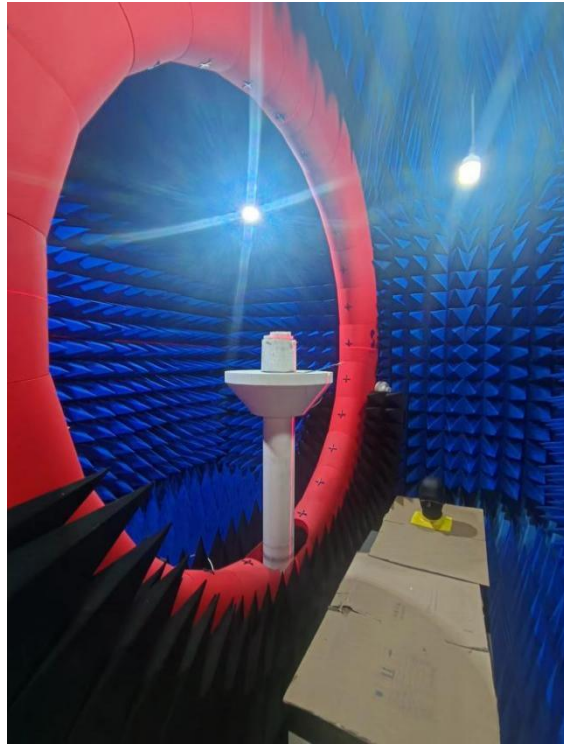


### 1.1 The principle diagram of the ETS anechoic chamber



Picture1. Antenna static test connection method

## 1.2 Pictures of the ETS anechoic chamber



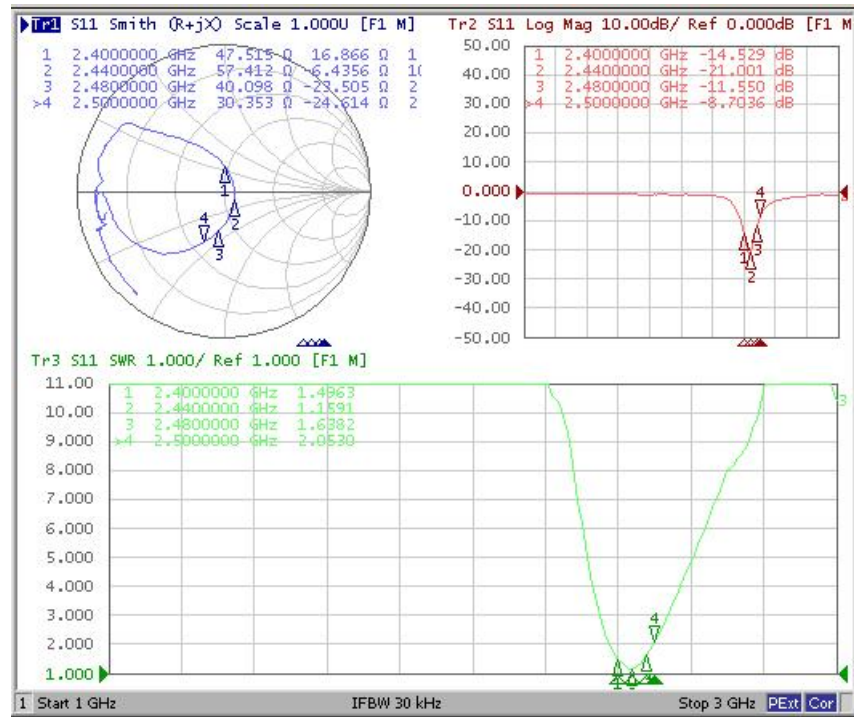
Inside the ETS anechoic chamber



Test Machine

## 2: Passive test report

### 2.1: antenna S11 parameters

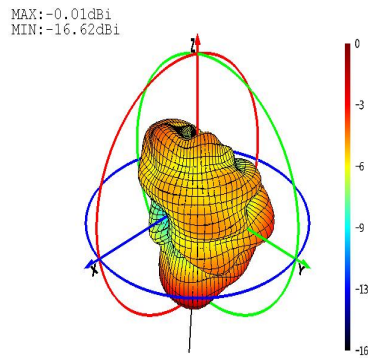
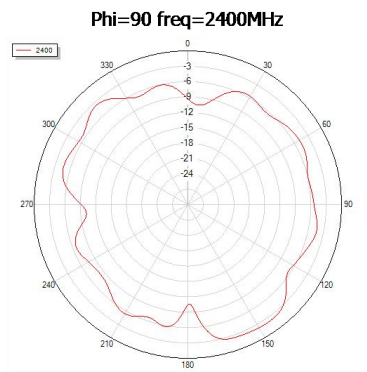


### 2.2: Passive efficiency of antenna

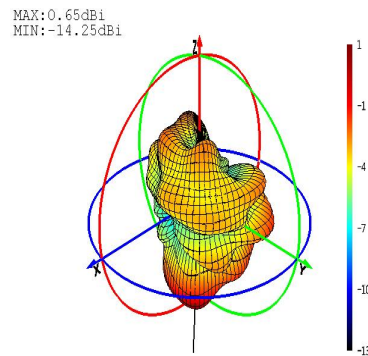
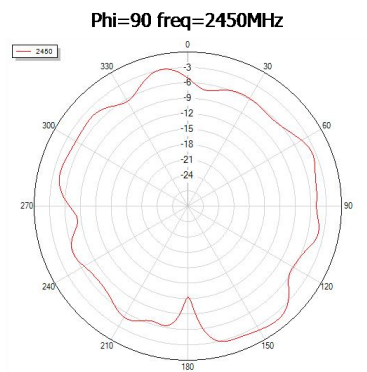
2400-2500MHz			
Freq(MHz)	Gain(dBi)	Efficiency(db)	Efficiency(%)
2400	-0.01	-6.63	21.71
2410	0.23	-6.55	22.12
2420	0.44	-6.49	22.45
2430	0.61	-6.46	22.6
2440	0.74	-6.45	22.62
2450	0.65	-6.43	22.74
2460	0.44	-6.46	22.61
2470	0.32	-6.48	22.48
2480	0	-6.44	22.71
2490	-0.34	-6.52	22.27
2500	-1.07	-6.8	20.88

## 2.3: Passive pattern of BT antenna

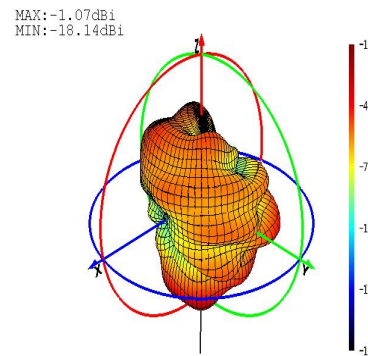
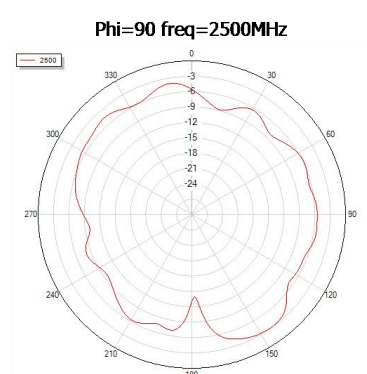
### 2400MHz



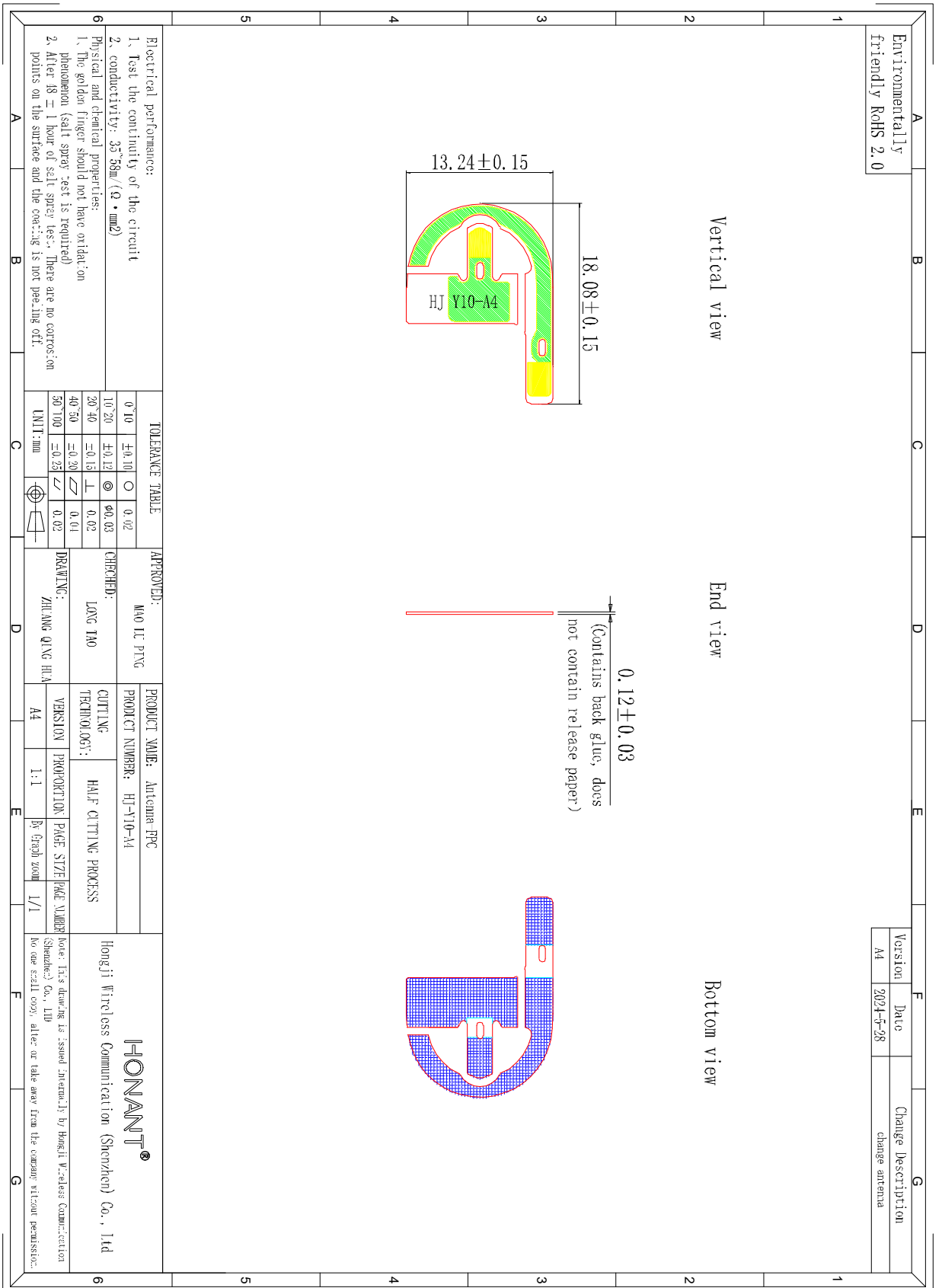
### 2450MHz



### 2500MHz



### 3: Structural drawing



#### 4: Antenna diagram

