

## Antenna Sample Datasheet

|                    |            |
|--------------------|------------|
| entry name:        | PM144-L    |
| Material category: | BT antenna |
| Antenna Material   | FPC        |
| edition:           | A7         |
| Date:              | 2025. 4. 3 |

## Contents

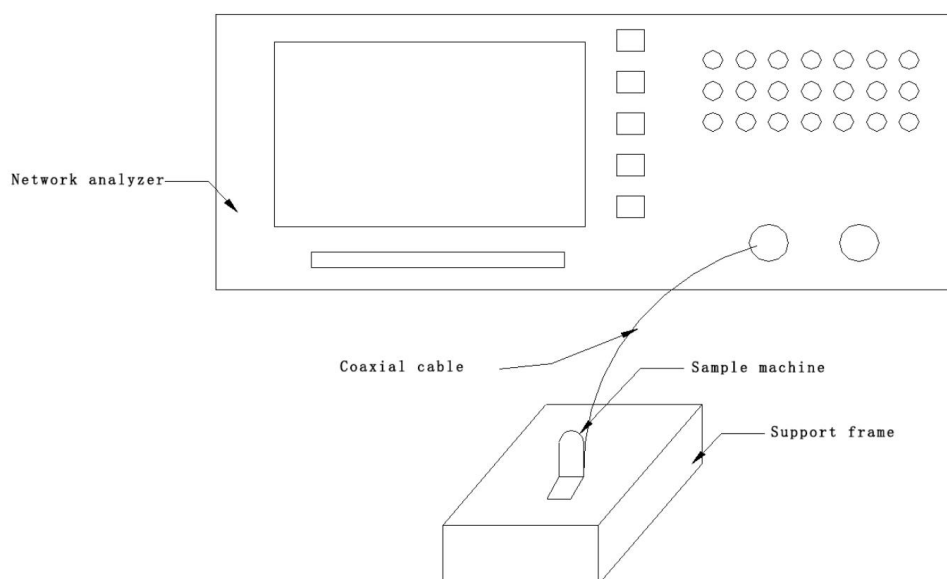
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## 1: Antenna test equipment

List of meters: Agilent 5071B;

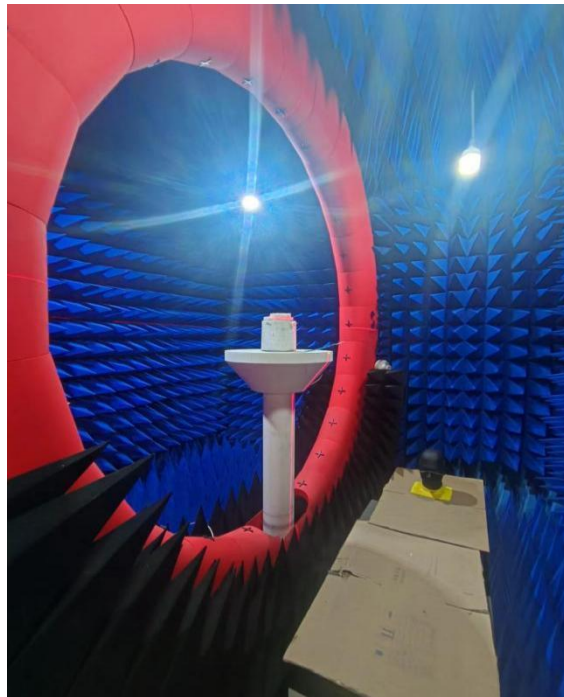


### 1.1The principle diagram of the ETS anechoic chamber



Picture1.Antenna static test connection method

## 1.2 Pictures of the ETS anechoic chamber



Inside the ETS anechoic chamber



Test Machine

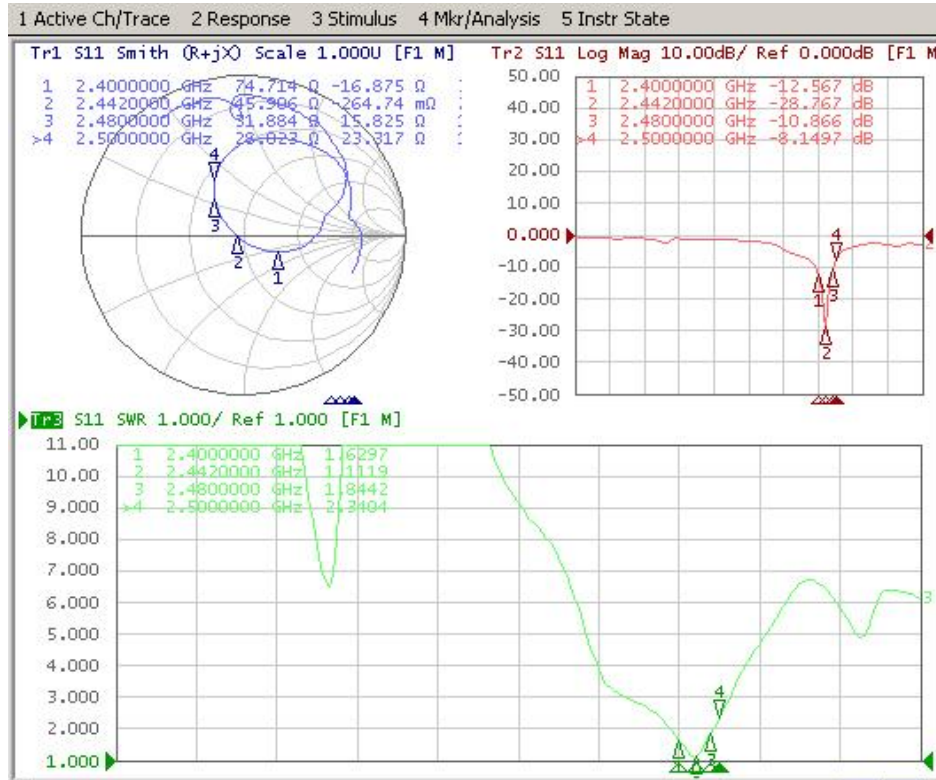
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## 2: Passive test report

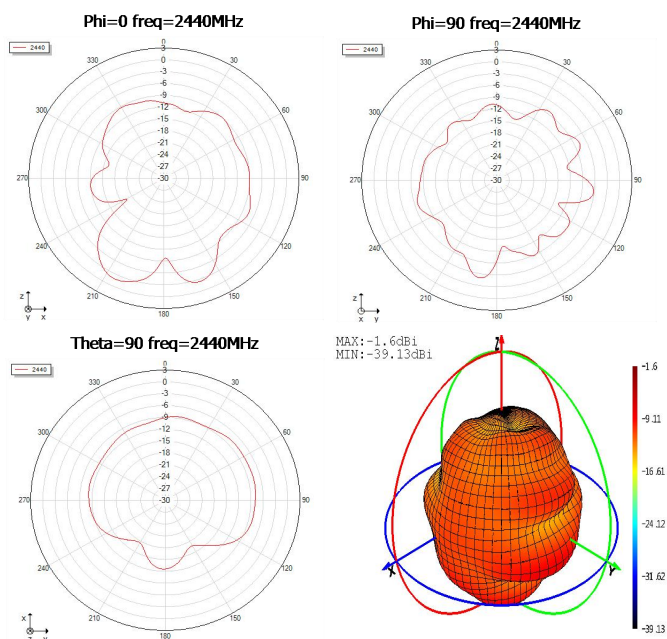
### 2.1: BT antenna S11 parameters



## 2.2: Passive efficiency of antenna

| 2400-2480MHz |            |               |
|--------------|------------|---------------|
| Freq(MHz)    | Gain(dBi)  | Efficiency(%) |
|              | free space | free space    |
| 2400         | -3.09      | 15.68         |
| 2410         | -2.76      | 16.38         |
| 2420         | -2.48      | 16.83         |
| 2430         | -1.97      | 17.41         |
| 2440         | -1.60      | 18.26         |
| 2450         | -1.44      | 18.81         |
| 2460         | -1.28      | 19.42         |
| 2470         | -0.91      | 20.79         |
| 2480         | -0.36      | 21.79         |
| Mean value   | -1.77      | 18.37         |

## 2.3: Passive pattern of BT antenna

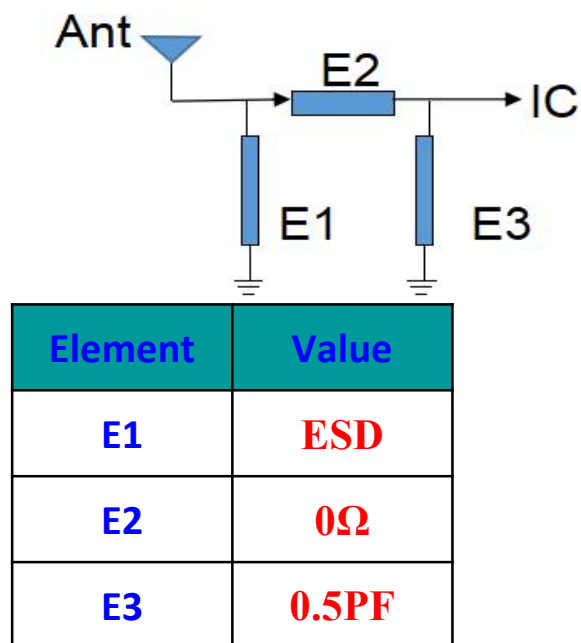


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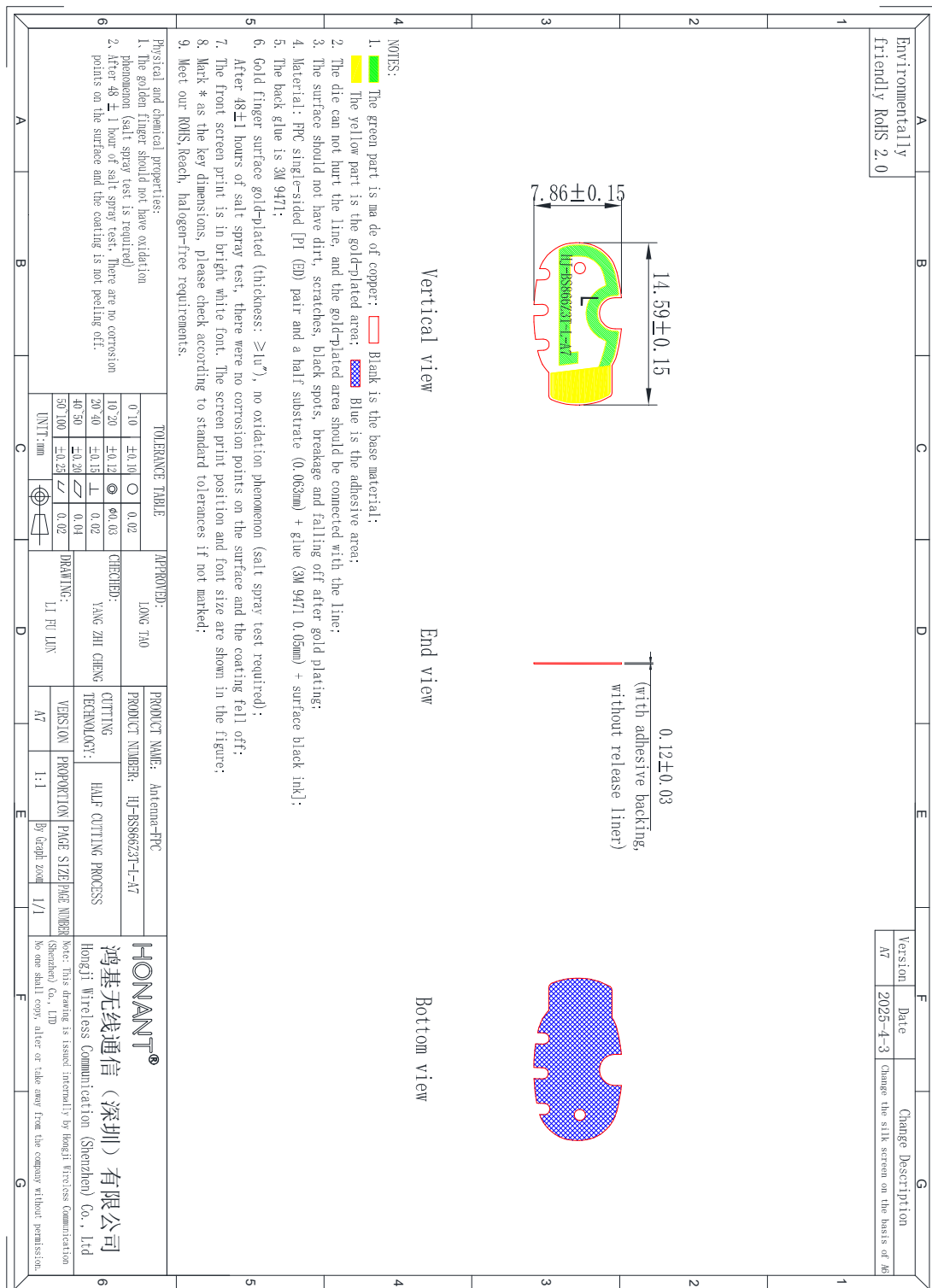
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### 3: Matching circuit



## 4: Structural drawing



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