

## Antenna Sample Datasheet

entry name:	Y12-C-L
Material category:	BT antenna
Antenna Type	PIFA
Antenna Material	FPC
edition:	A4
Date:	2024.06.18

# Contents

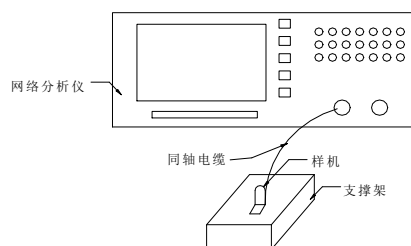
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## 1: Antenna test equipment

List of meters: Agilent 5071B;

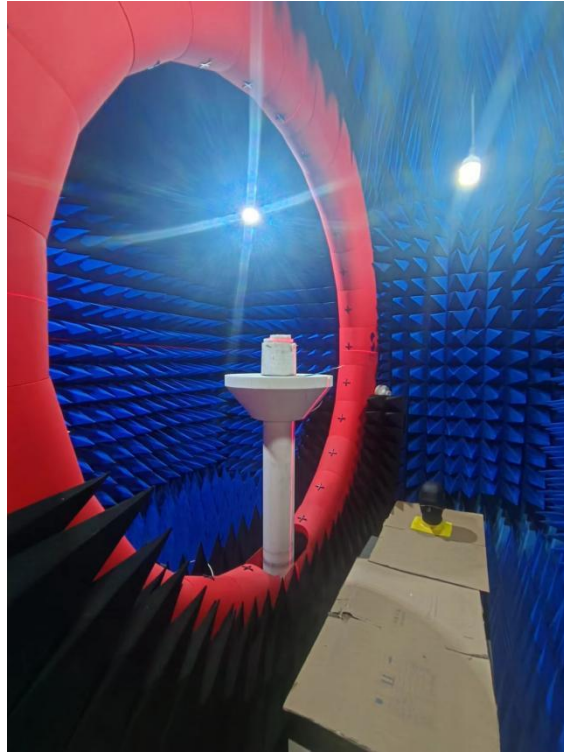


### 1.1 The principle diagram of the ETS anechoic chamber



Picture1. Antenna static test connection method

## 1.2 Pictures of the ETS anechoic chamber



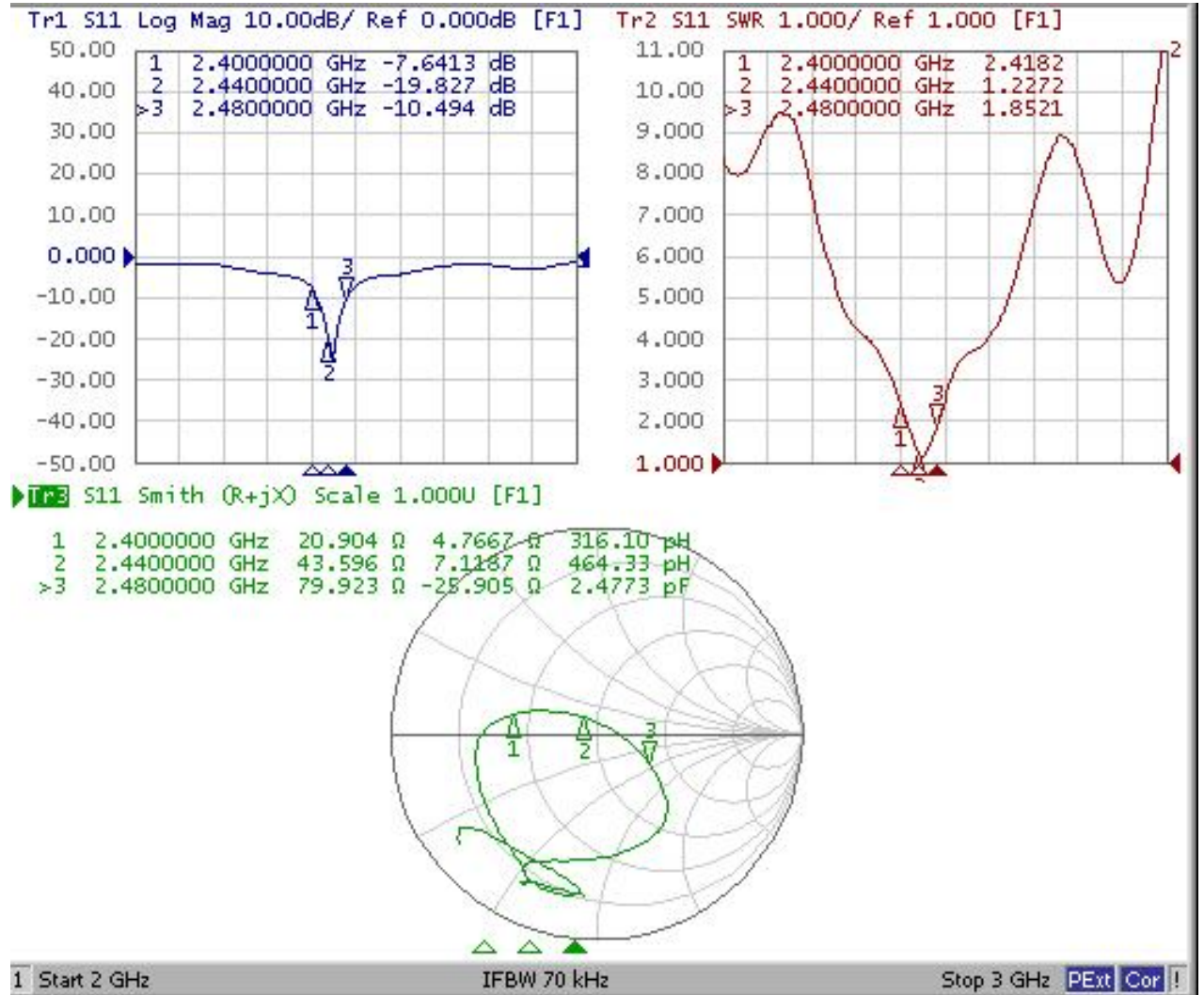
Inside the ETS anechoic chamber



Test Machine

## 2: Passive test report

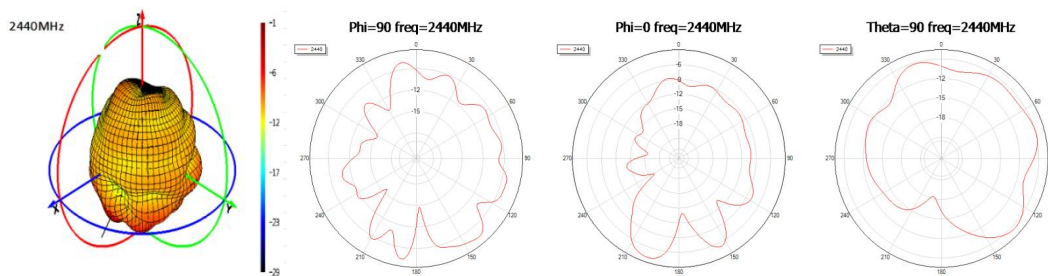
### 2.1: BT antenna S11 parameters



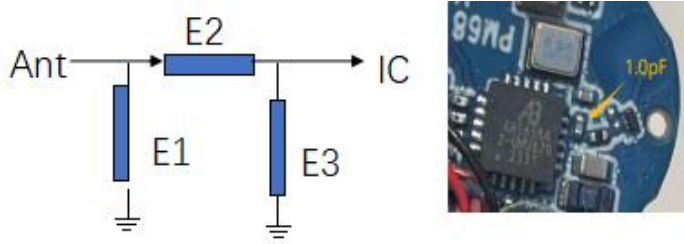
## 2.2: Passive efficiency of antenna

Freq(MHz)	Gain(dBi)	Efficiency(%)
2400	-2.2	17.6
2410	-1.5	17.4
2420	-1.1	17.6
2430	-1.6	18.1
2440	-0.9	18.2
2450	-0.7	17.2
2460	-1.2	16.6
2470	-2.3	17.4
2480	-2.1	16.4

## 2.3: Passive pattern of BT antenna

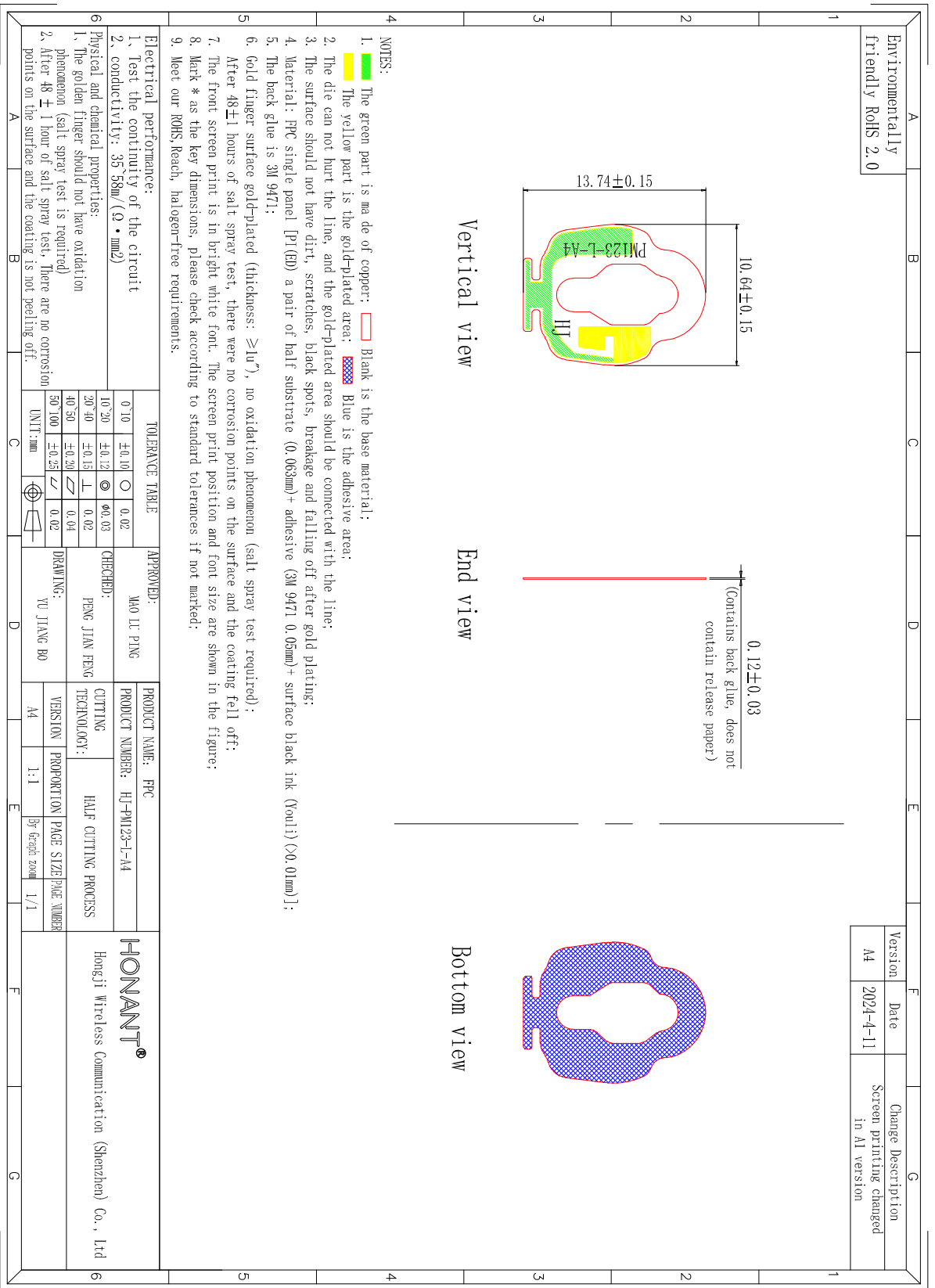


### 3: Matching circuit



Element	Value
E1	N/A
E2	0R
E3	1.0pF

## 4: Structural drawing





**5: Antenna diagram**

