

# Antenna Sample Datasheet

|                    |              |
|--------------------|--------------|
| entry name:        | B06-2-L      |
| Material category: | BT antenna   |
| Antenna Type       | PIFA         |
| Antenna Material   | FPC          |
| edition:           | A0           |
| Date:              | 2024. 07. 17 |

## Contents

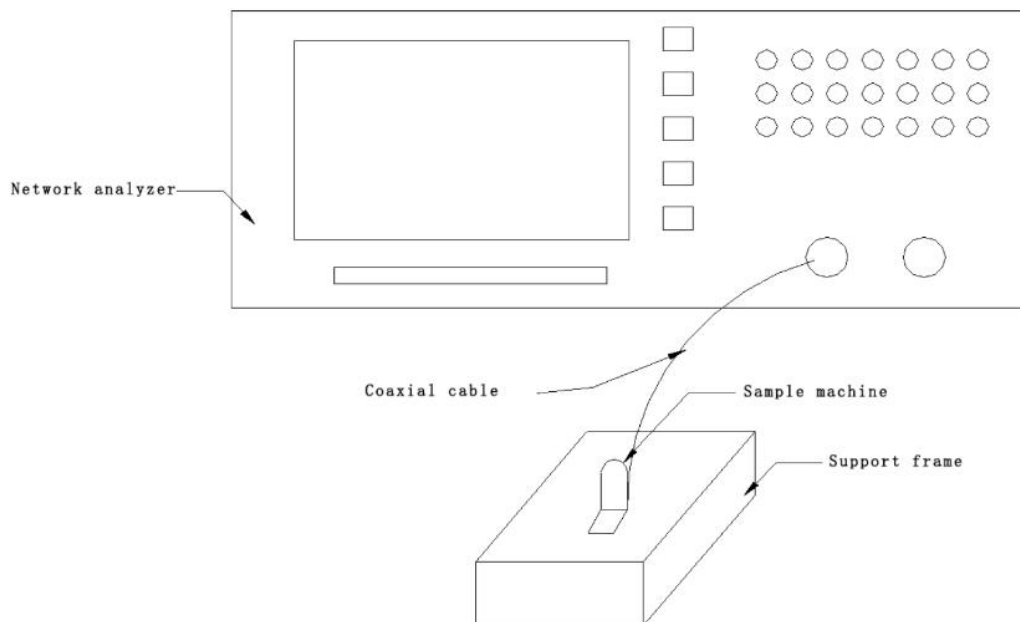
|                                |   |
|--------------------------------|---|
| 1: Antenna test equipment..... | 1 |
| 2: Passive test report.....    | 3 |
| 3: Matching circuit.....       | 5 |
| 4: Structural drawing.....     | 6 |
| 5: Antenna diagram.....        | 7 |

## 1: Antenna test equipment

List of meters: Agilent 5071B;

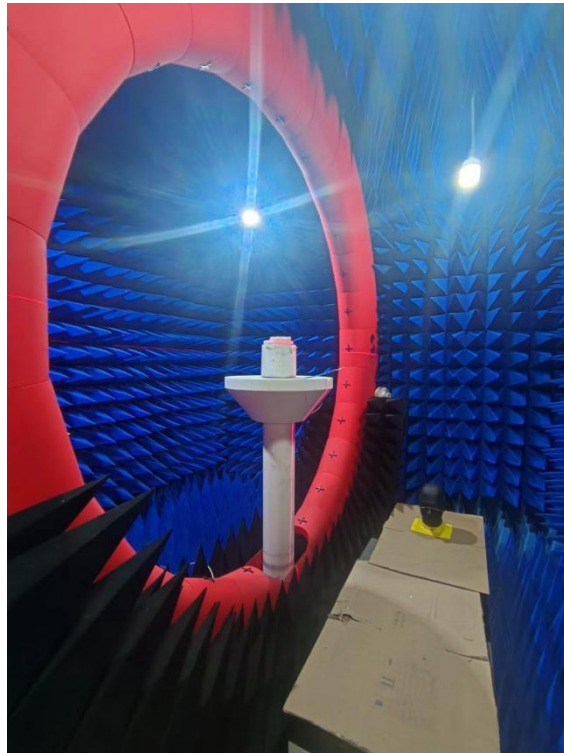


### 1.1The principle diagram of the ETS anechoic chamber



Picture1.Antenna static test connection method

## 1.2 Pictures of the ETS anechoic chamber

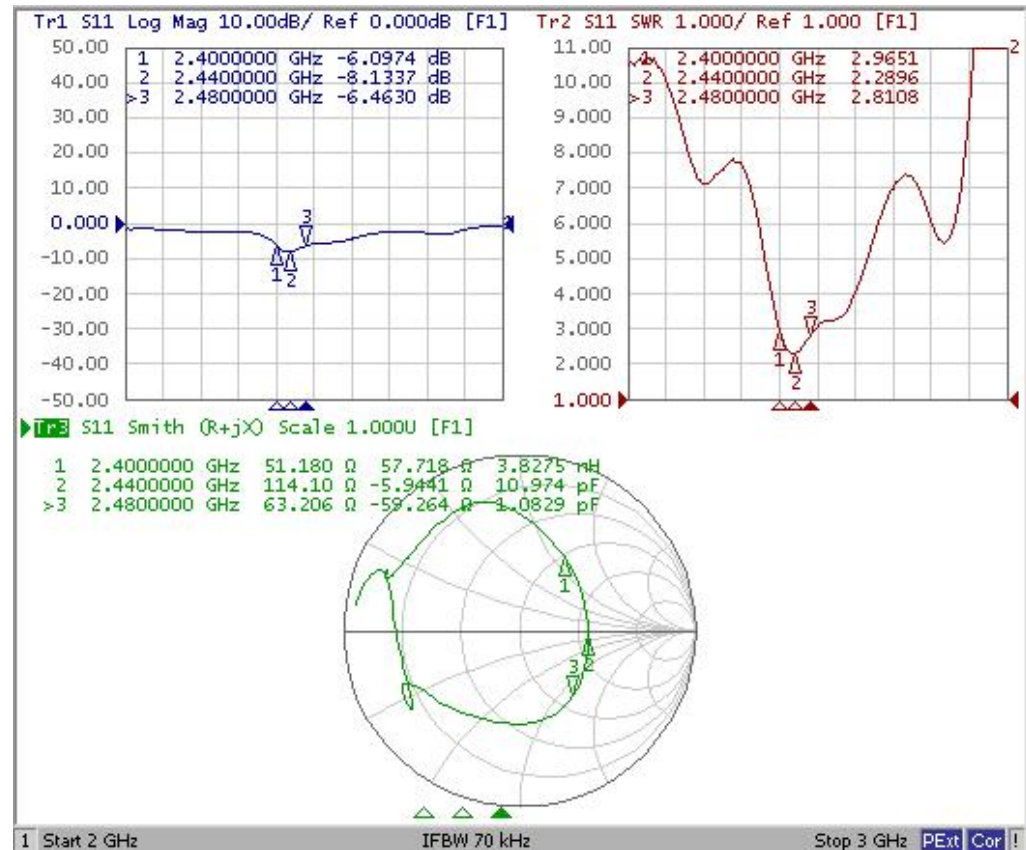


Inside the ETS anechoic chamber



## 2: Passive test report

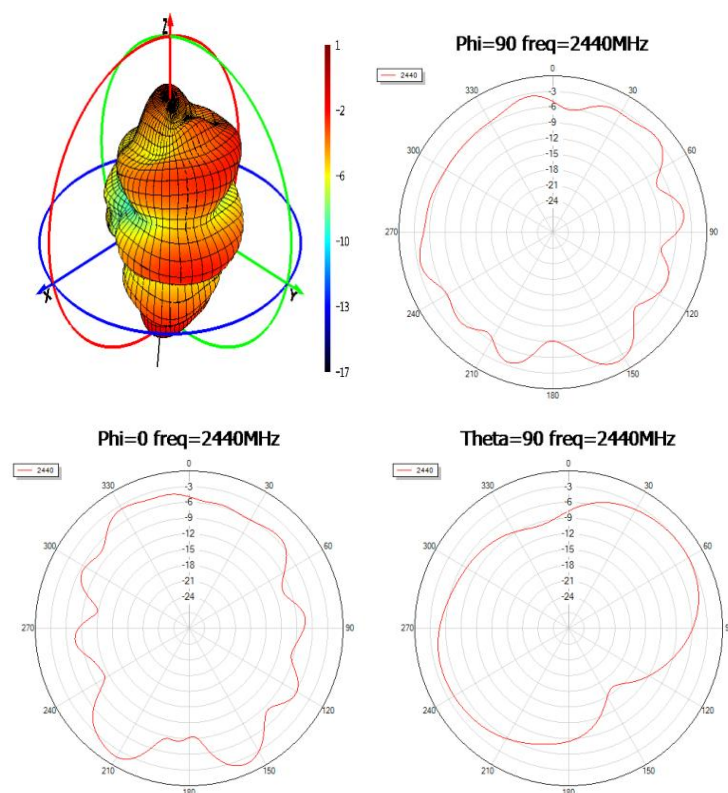
### 2.1: BT antenna S11 parameters



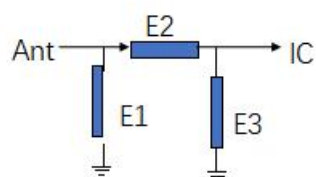
## 2.2: Passive efficiency of antenna

| Freq(MHz) | Gain(dBi) | Efficiency(%) |
|-----------|-----------|---------------|
| 2400      | -0.69     | 19.89         |
| 2410      | -0.44     | 20.65         |
| 2420      | -0.62     | 20.47         |
| 2430      | -0.35     | 21.78         |
| 2440      | 0.15      | 22.95         |
| 2450      | -0.22     | 21.63         |
| 2460      | -0.41     | 21.44         |
| 2470      | -0.74     | 20.28         |
| 2480      | -0.62     | 20.42         |

## 2.3: Passive pattern of BT antenna



## 3: Matching circuit



| Element | Value |
|---------|-------|
| E1      | 1.5pF |
| E2      | OR    |
| E3      | N/A   |







## 5: Antenna diagram

