

## Antenna Sample Datasheet

|                    |              |
|--------------------|--------------|
| entry name:        | CT06         |
| Material category: | BT antenna   |
| Antenna Material   | LDS          |
| Antenna type       | FPC          |
| Date:              | 2025. 05. 09 |

# Contents

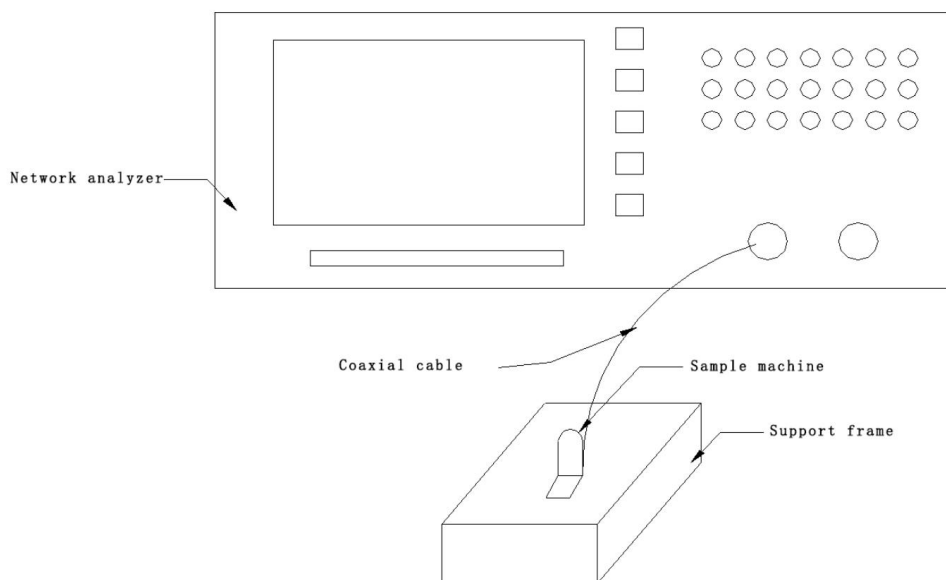
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## 1: Antenna test equipment

List of meters: Agilent 5071B;



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



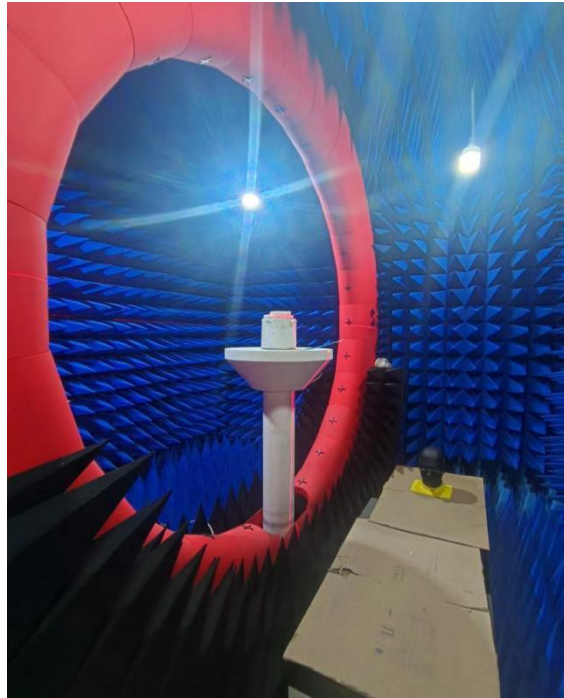
Picture1. Antenna static test connection method

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## 1.2 Pictures of the ETS anechoic chamber



Inside the ETS anechoic chamber



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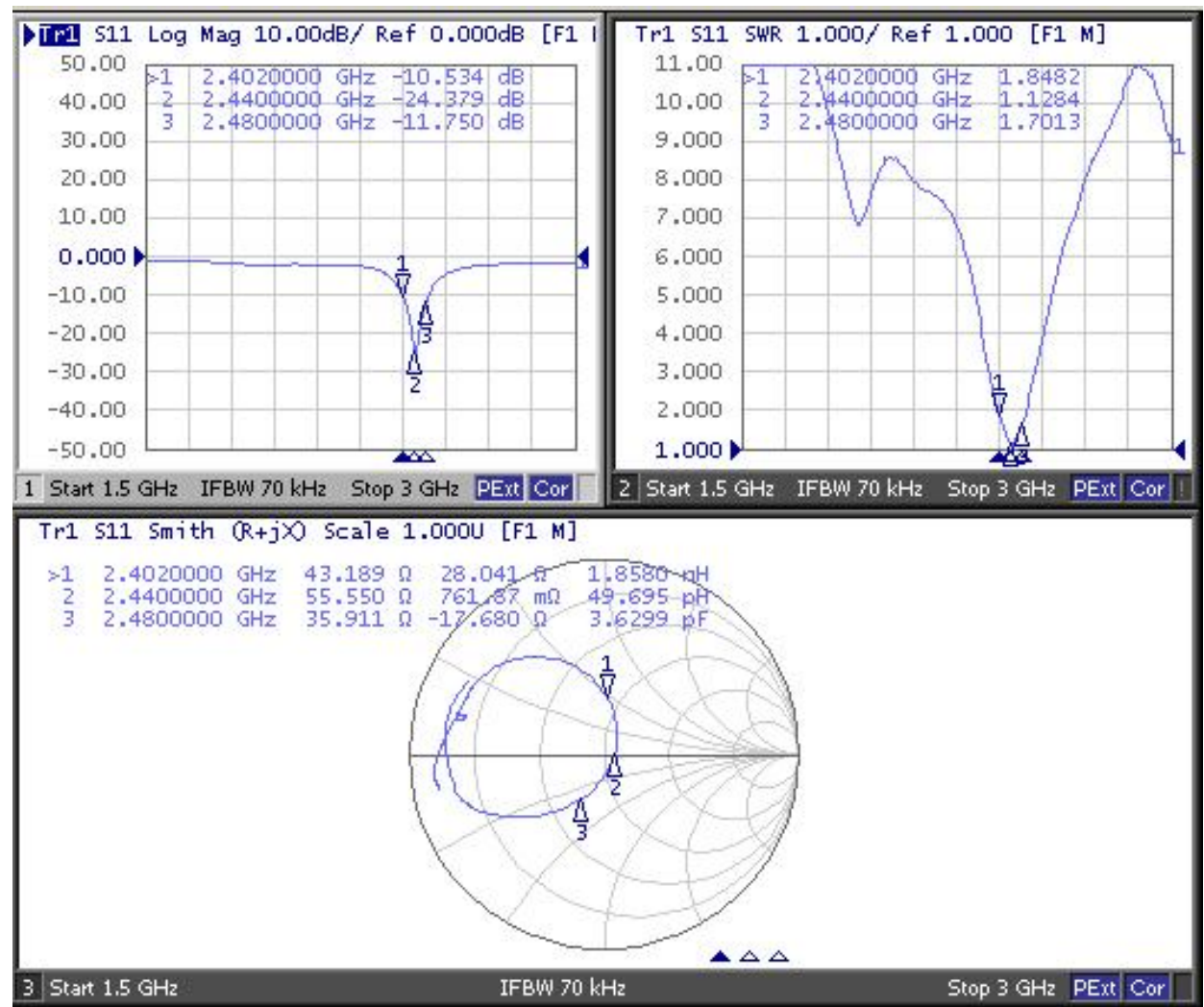
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## Test Machine

## 2: Passive test report

### 2.1: BT antenna S11 parameters



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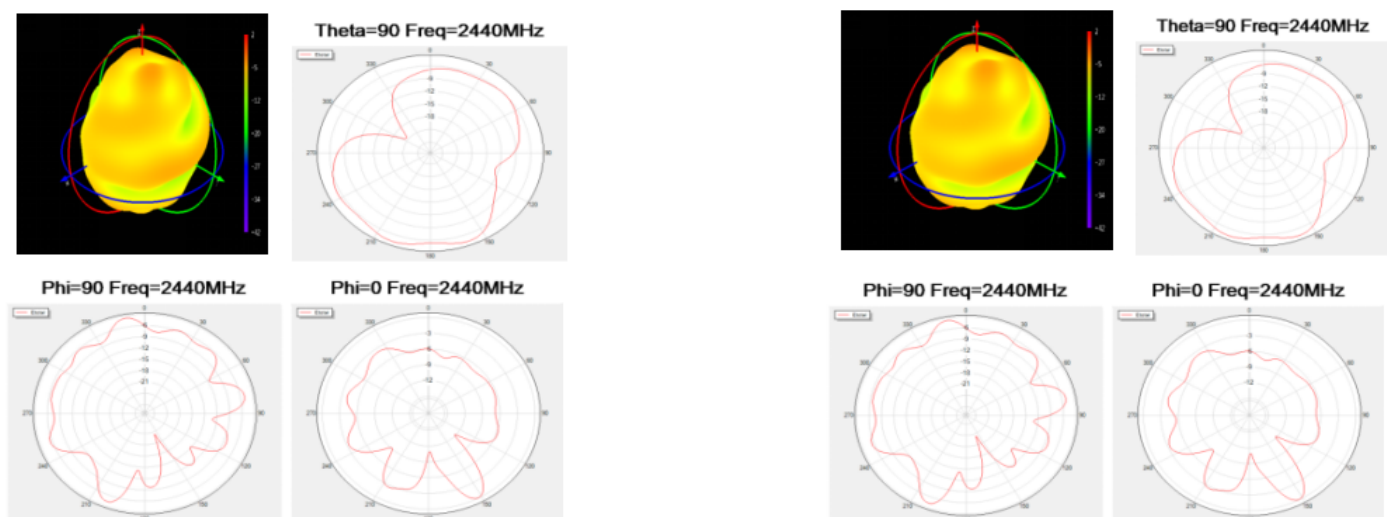
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## 2.2: Passive efficiency of antenna

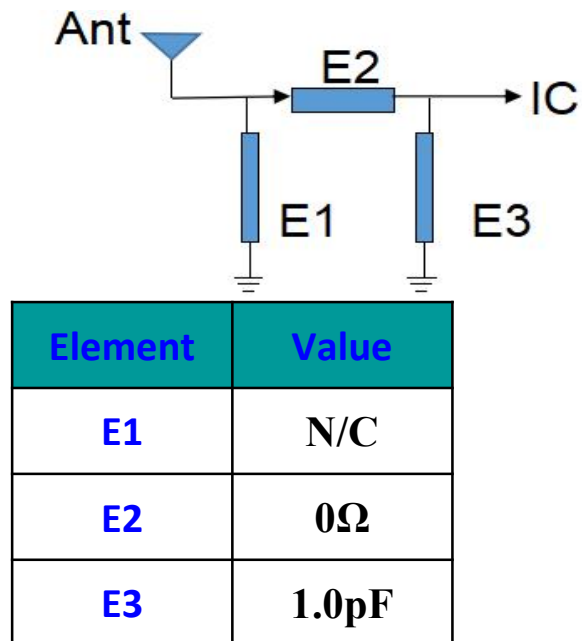
| L     |         |         |        |
|-------|---------|---------|--------|
| 频点MHz | 增益(dBi) | 效率(dB ) | 效率 (%) |
| 2400  | -1.89   | -7.55   | 17.59  |
| 2410  | -1.68   | -7.28   | 18.71  |
| 2420  | -1.79   | -7.07   | 19.62  |
| 2430  | -1.69   | -6.91   | 20.38  |
| 2440  | -1.52   | -6.72   | 21.27  |
| 2450  | -1.78   | -6.57   | 22.05  |
| 2460  | -1.96   | -6.76   | 21.11  |
| 2470  | -1.85   | -7.02   | 19.88  |
| 2480  | -1.95   | -7.29   | 18.67  |
| 平均值   | -1.79   | -7.02   | 19.92  |

| R     |         |         |        |
|-------|---------|---------|--------|
| 频点MHz | 增益(dBi) | 效率(dB ) | 效率 (%) |
| 2400  | -1.96   | -7.47   | 17.89  |
| 2410  | -1.61   | -7.22   | 18.95  |
| 2420  | -1.35   | -6.87   | 20.57  |
| 2430  | -1.25   | -6.87   | 20.56  |
| 2440  | -1.43   | -6.93   | 20.27  |
| 2450  | -1.61   | -7.04   | 19.79  |
| 2460  | -1.72   | -7.20   | 19.06  |
| 2470  | -1.81   | -7.09   | 19.56  |
| 2480  | -1.79   | -7.42   | 18.13  |
| 平均值   | -1.61   | -7.12   | 19.42  |

## 2.3: Passive pattern of BT antenna

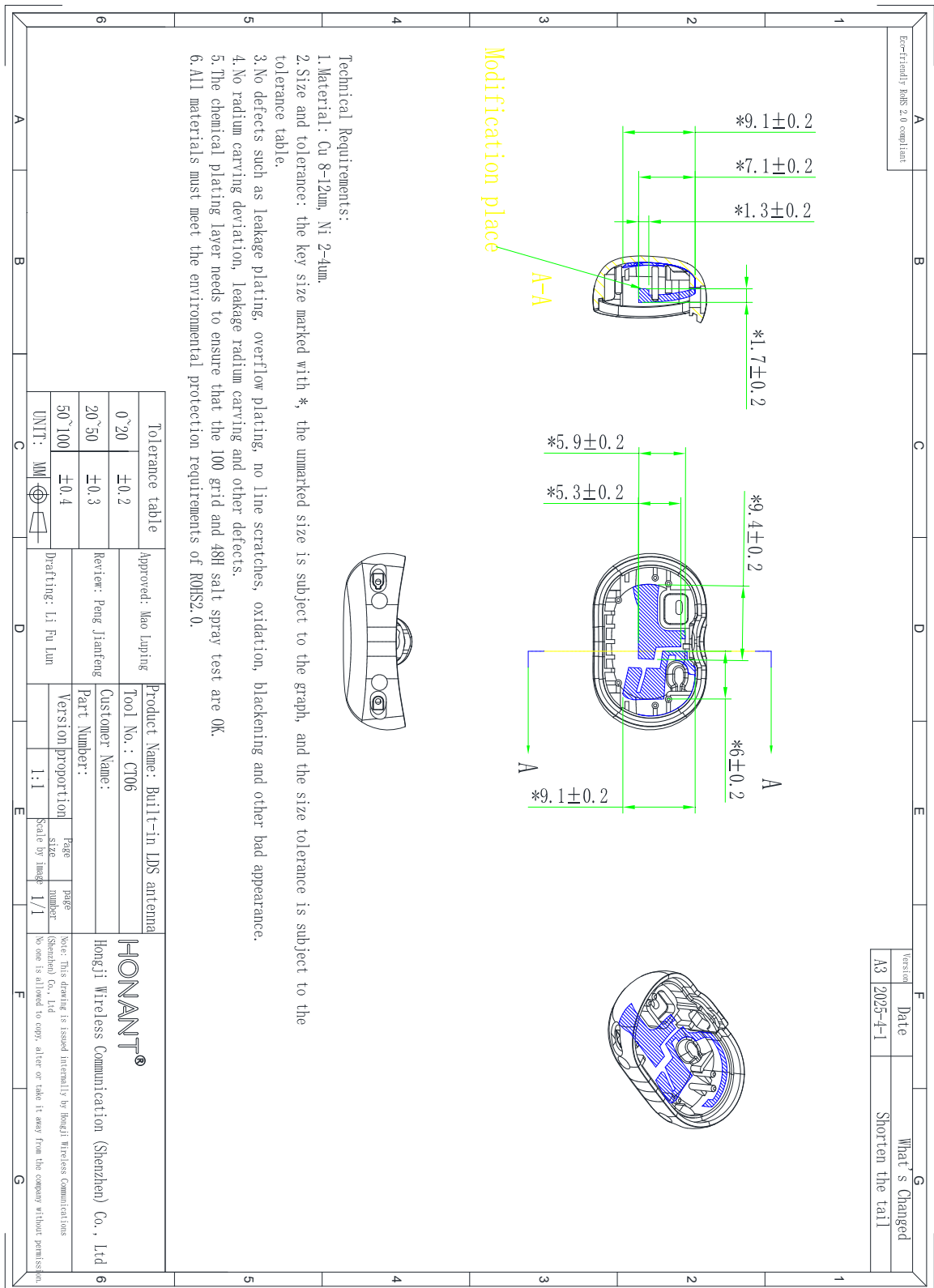


### 3: Matching circuit





## 4: Structural drawing



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## 5: Antenna diagram

