



# Antenna Specification

**Manufacture: SYL**

**Product Name: SN34-BT 昆西一代 Antenna**

**Antenna Type: PCB**

**Test Date: 2025/8/5**

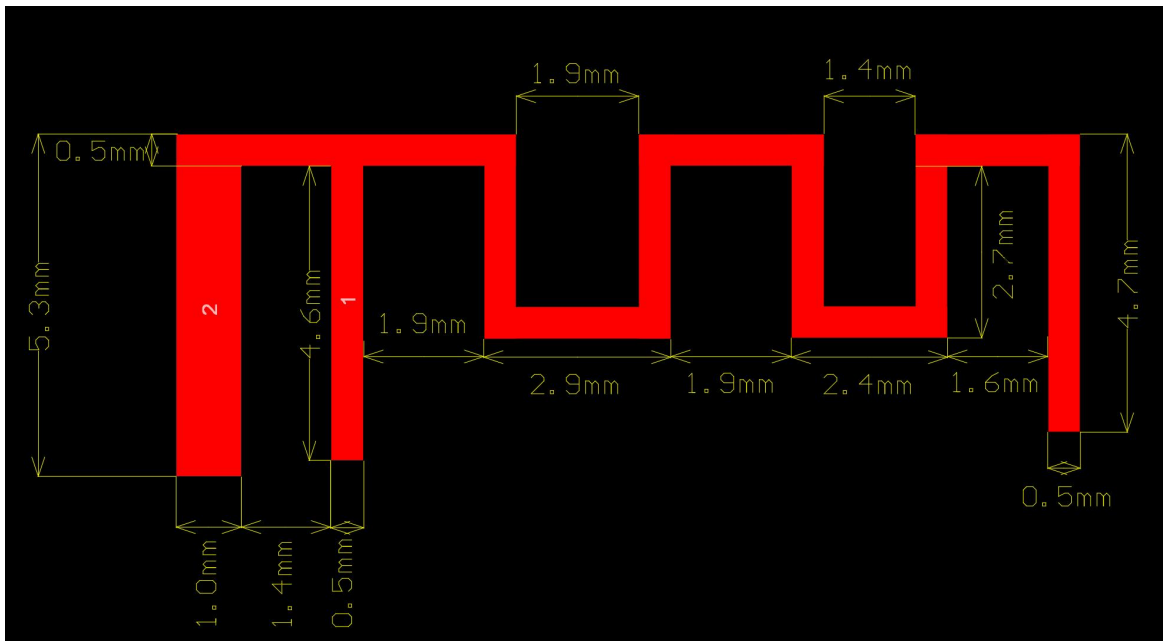
| <b>Tested by:</b> | <b>Checked By:</b> | <b>Approved By:</b> |
|-------------------|--------------------|---------------------|
| ChengMingWei      | DuLin              | QianCongGen         |



## 1. General Description

|                 |                                                                                   |
|-----------------|-----------------------------------------------------------------------------------|
| Manufacturer:   | Dong Guan SYL Technology CO.,LTD                                                  |
| Address:        | Room 203,DongHui Industrial Park,No.198 DaTang Road,<br>DongGuan, Guangdong,China |
| Product Name:   | SN34-BT 昆西一代 Antenna                                                              |
| Product model:  | SN34-BT 昆西一代                                                                      |
| Antenna Type:   | PCB Antenna                                                                       |
| Test Frequency: | 2400-2480MHz                                                                      |
| Antenna Gain:   | 2.499dBi                                                                          |
| VSWR:           | <3.2                                                                              |
| Impedance:      | 50Ω                                                                               |
| Polarization:   | Linear                                                                            |
|                 |                                                                                   |

## 2. Antenna size:



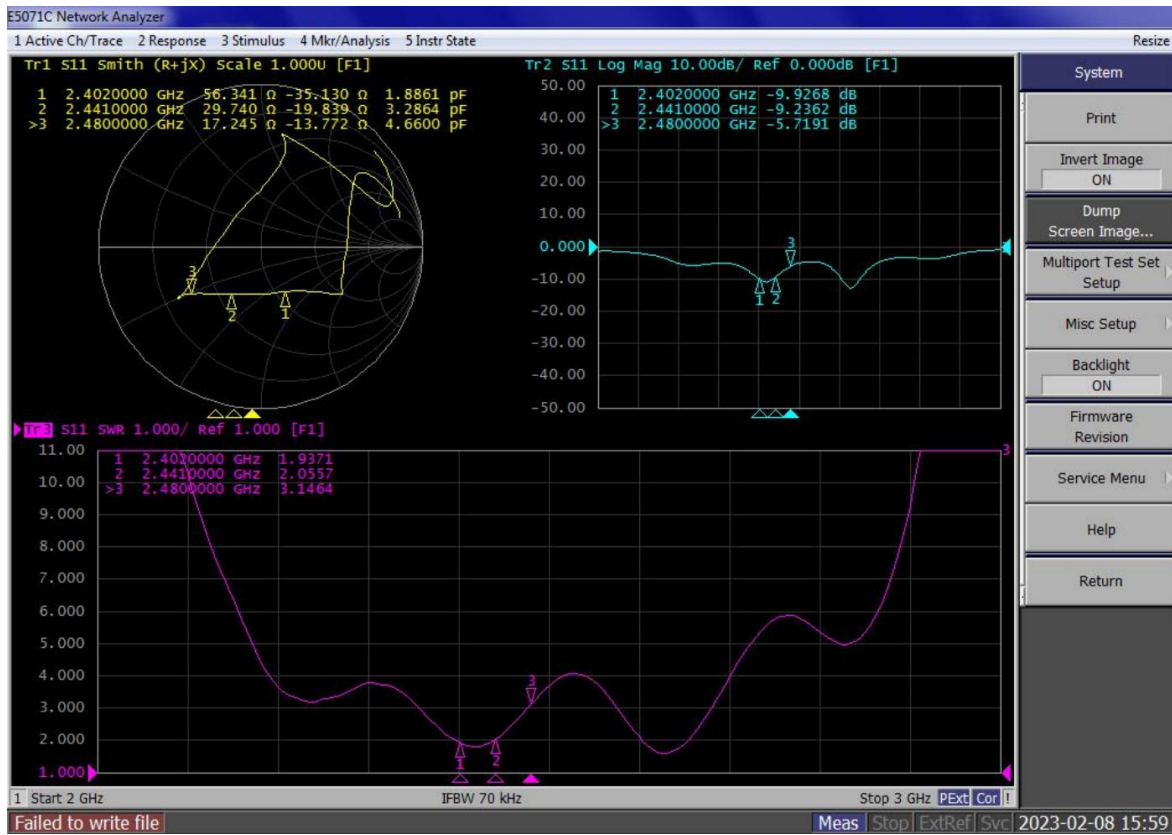


### 3.Gain and Efficiency

| Frequency<br>(MHz) | Gain<br>(dBi) | Efficiency<br>(%) | AverageGain<br>(dBi) | Efficiency<br>(dB) |
|--------------------|---------------|-------------------|----------------------|--------------------|
| 2400               | 1.433         | 59.329%           | -2.717               | -2.267             |
| 2410               | 0.927         | 51.861%           | -3.416               | -2.852             |
| 2420               | 0.829         | 52.112%           | -3.166               | -2.831             |
| 2430               | 0.881         | 49.299%           | -3.258               | -3.072             |
| 2440               | 1.192         | 50.672%           | -3.144               | -2.952             |
| 2450               | 1.688         | 53.067%           | -2.735               | -2.752             |
| 2460               | 2.194         | 59.423%           | -2.276               | -2.260             |
| 2470               | 2.118         | 56.680%           | -2.438               | -2.466             |
| 2480               | 2.499         | 61.727%           | -2.112               | -2.095             |
| Average            | 1.529         | 54.908%           | -2.806               | -2.616             |
| Peak               | 2.499         | 61.727%           | -2.112               | -2.095             |



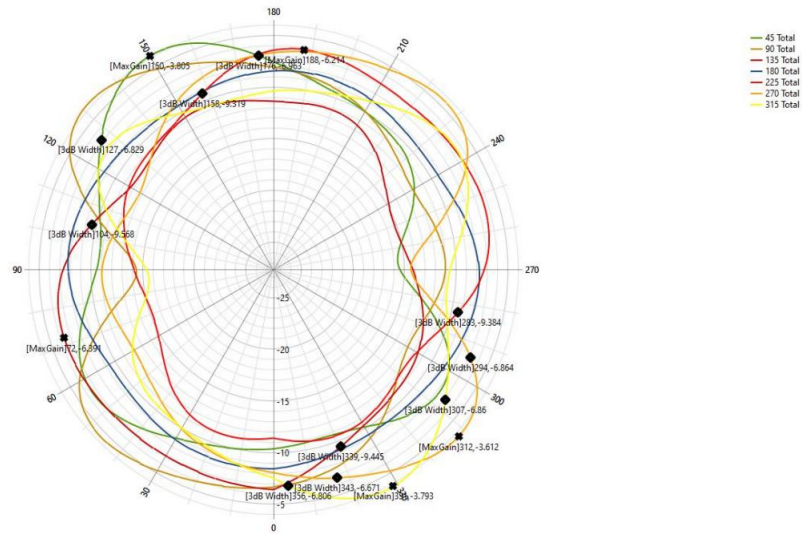
## 4.ReturnLoss





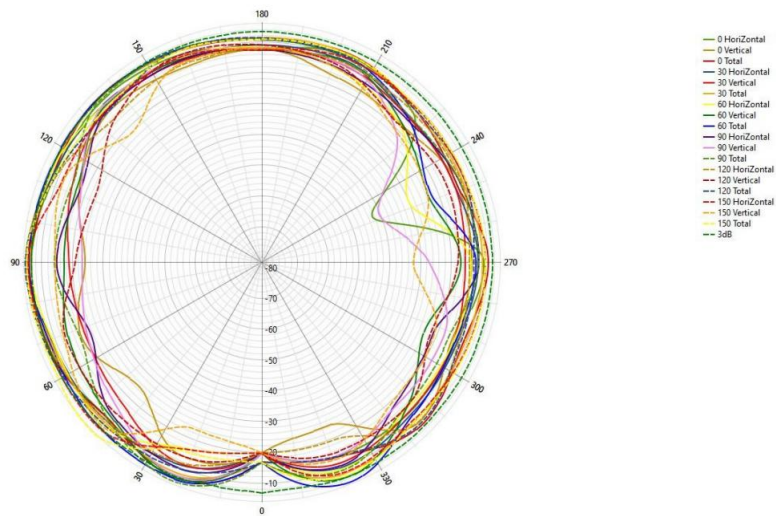
## 5. Antenna2440MHz2D-ThetaPattern

2D-Theta 2DLine-Theta 2D-Phi 2DLine-Phi DataLine HeatMap 3D

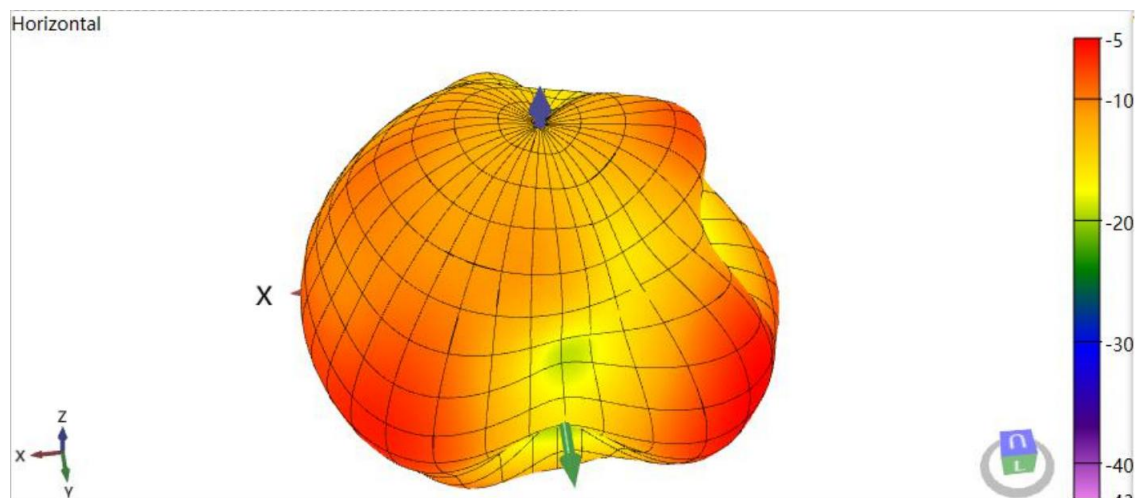


## 6. Antenna2440MHz2D-PhiPattern

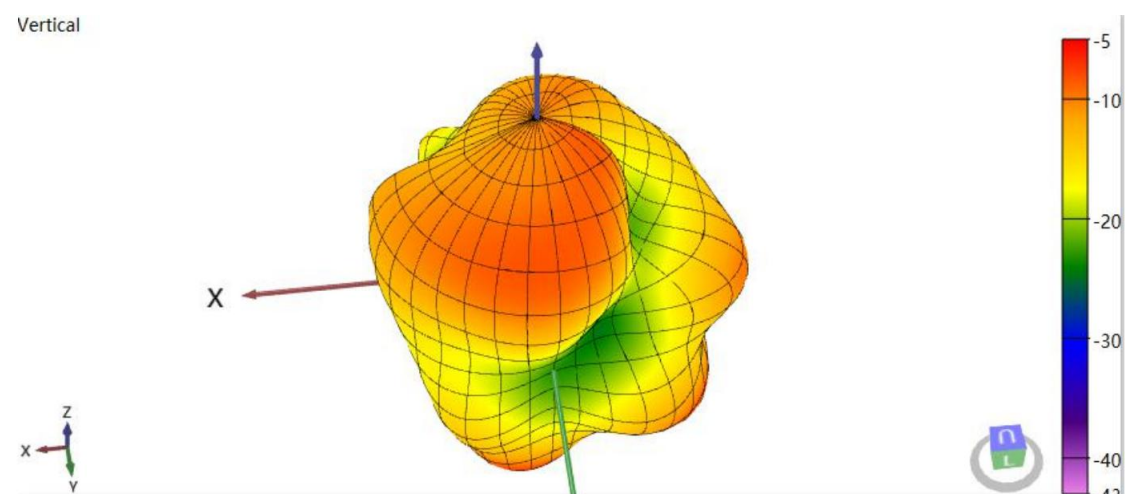
2D-Theta 2DLine-Theta 2D-Phi 2DLine-Phi DataLine HeatMap 3D



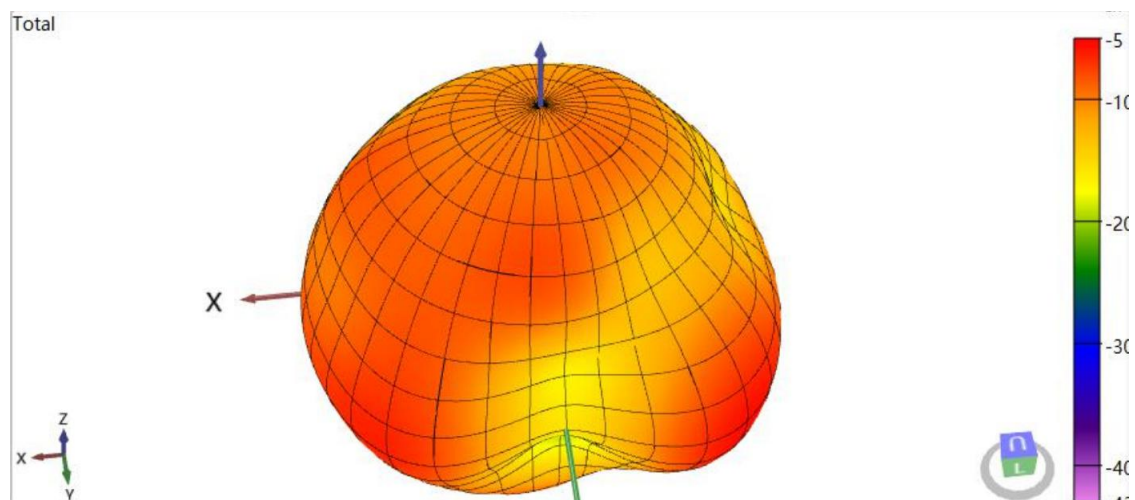
## 7. Antenna2440MHz3D-HorizontalPattern



## 8. Antenna2440MHz3D-VerticalPattern



## 9. Antenna2440MHz3D-TotalPattern



## 10.Test Setup Photo

