



# Antenna Specification

**Manufacture: SYL**

**Product Name: PD\_P25090\_DB SXY Antenna**

**Antenna Type: PCB**

**Test Date: 2025/10/20**

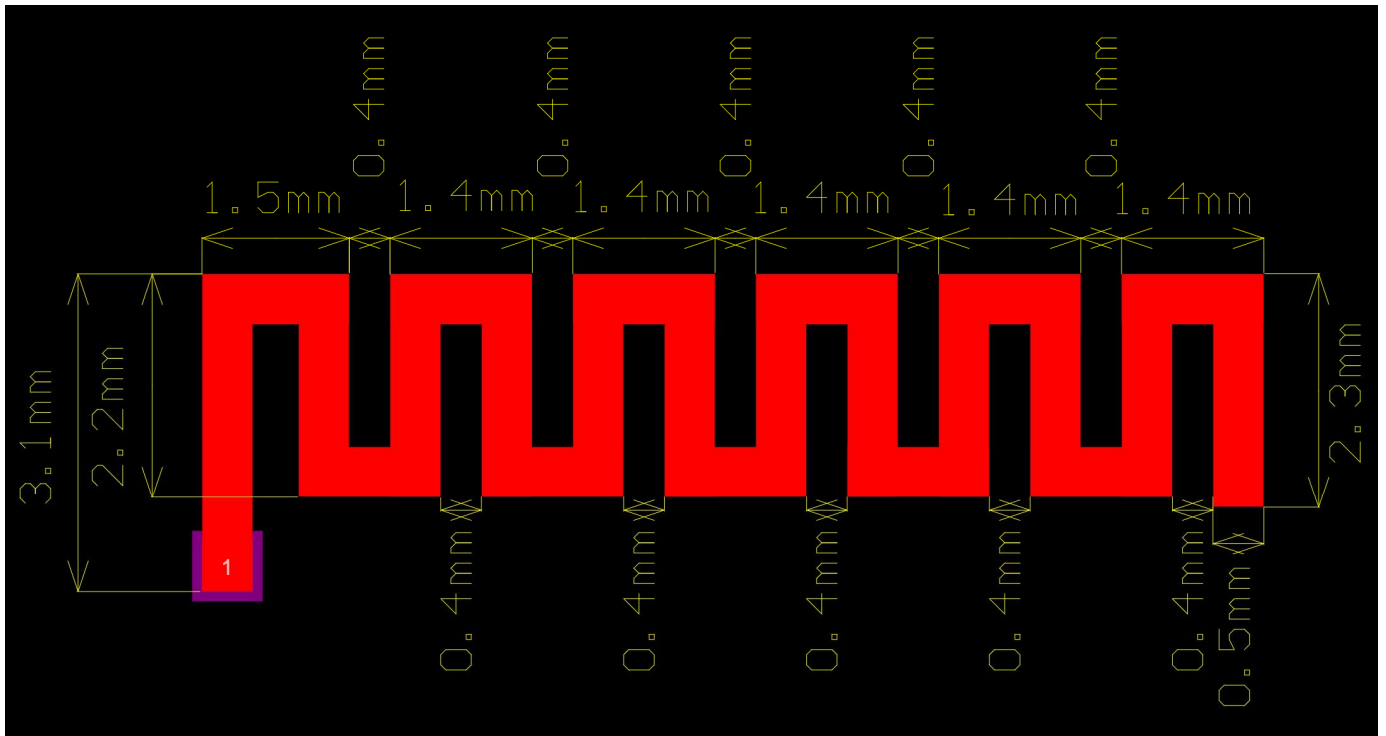
| <b>Tested by:</b> | <b>Checked By:</b> | <b>Approved By:</b> |
|-------------------|--------------------|---------------------|
| ChengMingWei      | DuLin              | QianCongGen         |



## 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:   | <b>PD_P25090_DB SXY</b> Antenna                                                   |
| Product model:  | <b>PD_P25090_DB SXY</b>                                                           |
| Antenna Type:   | PCB Antenna                                                                       |
| Test Frequency: | 2400-2500MHz                                                                      |
| Antenna Gain:   | 1.2dBi                                                                            |
| VSWR:           | <1.4                                                                              |
| Impedance:      | 50Ω                                                                               |
| Polarization:   | Linear                                                                            |
|                 |                                                                                   |

## 2. Antenna size:

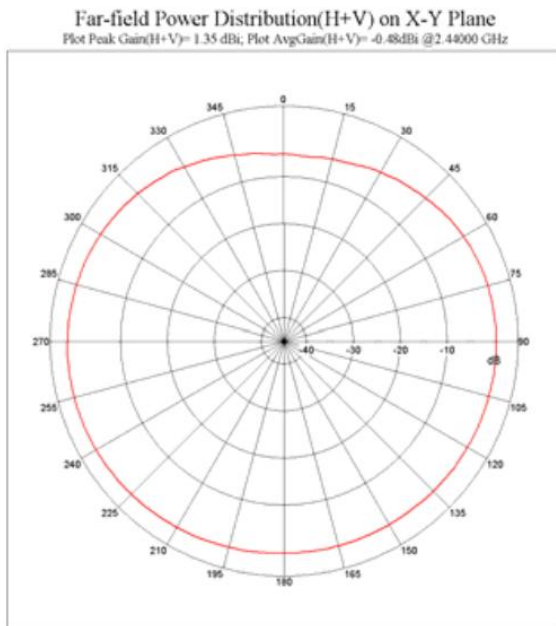


[illegible]

## 4.ReturnLoss



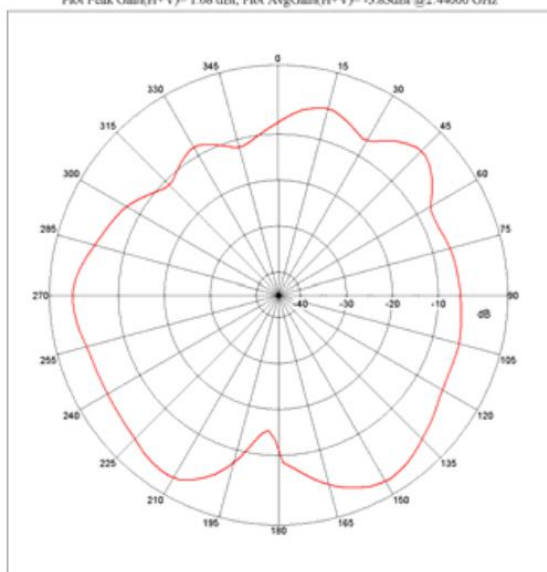
## 5.XY-Plane





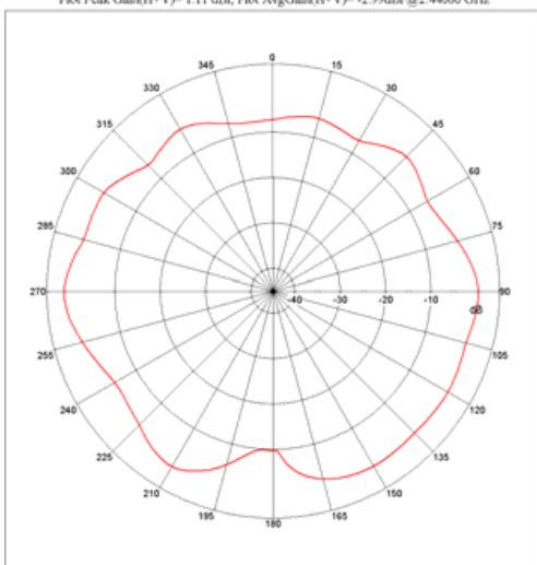
## 6.XZ-Plane

Far-field Power Distribution(H+V) on X-Z Plane  
Plot Peak Gain(H+V)= 1.68 dBi, Plot AvgGain(H+V)= -3.83dBi @2.4000 GHz

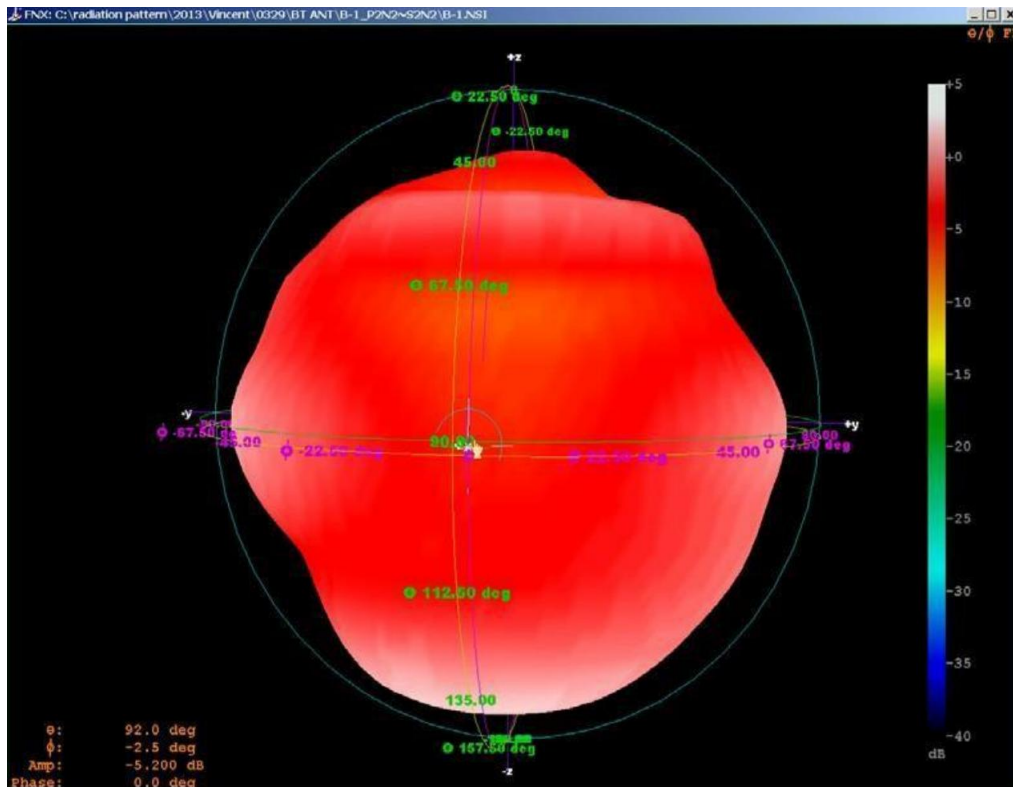


## 7. YZ-Plane

Far-field Power Distribution(H+V) on Y-Z Plane  
Plot Peak Gain(H+V)= 1.11 dBi, Plot AvgGain(H+V)= -2.99dBi @2.4000 GHz



## 8.3D Radiation Pattern Diagram



## 10.Test Setup Photo

