



Antenna Specification

Manufacture: SYL

Product Name: PD_P25121_QSK3_SSK Antenna

Antenna Type: PCB

Test Date: 2025/10/20

Tested by:	Checked By:	Approved By:
ChengMingWei	DuLin	QianCongGen



1. General Description

Manufacturer:	Dong Guan SYL Technology CO.,LTD
Address:	Room 203,DongHui Industrial Park,No.198 DaTang Road, DongGuan, Guangdong,China
Product Name:	PD_P25121_QSK3_SSK Antenna
Product model:	PD_P25121_QSK3_SSK
Antenna Type:	PCB Antenna
Test Frequency:	2400-2500MHz
Antenna Gain:	1.68dBi
VSWR:	<1.4
Impedance:	50Ω
Polarization:	Linear

Technical drawing of a red zigzag pattern. The pattern has a total height of 3.1 mm and a total width of 2.3 mm. The zigzag consists of 10 segments, each 1.4 mm wide. The segments are separated by 0.4 mm gaps. The pattern is labeled with '1' in the first segment.

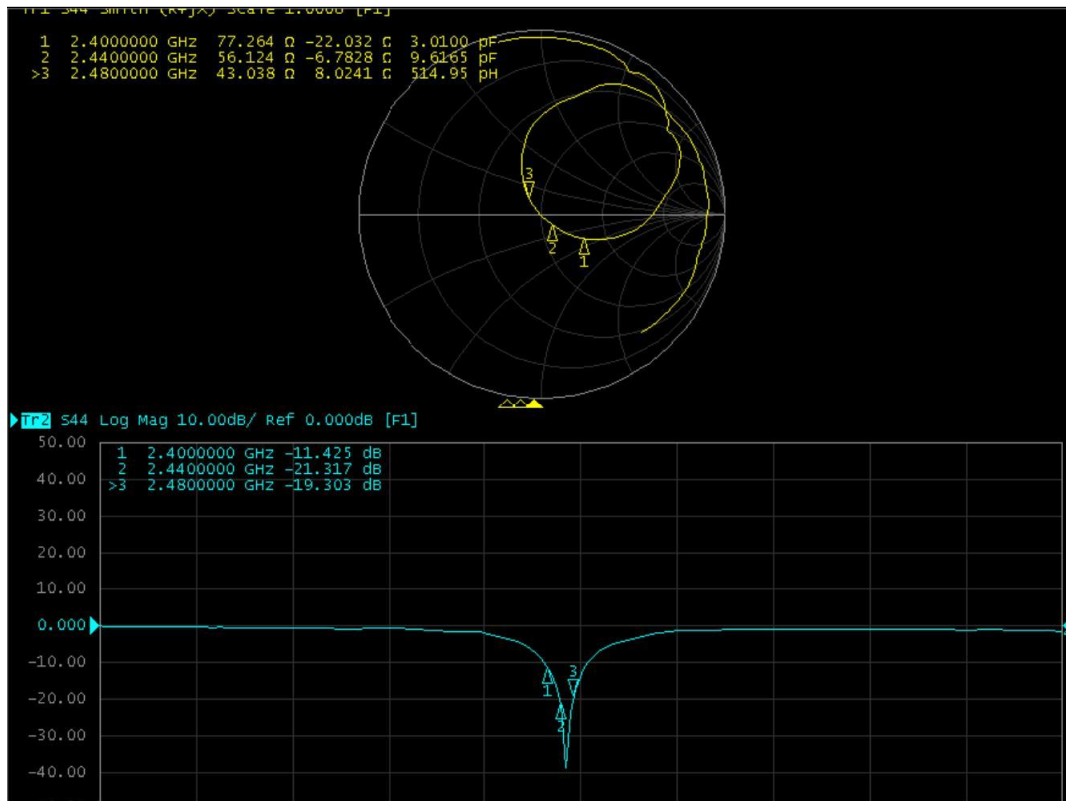




3. Gain and Efficiency

[illegible]

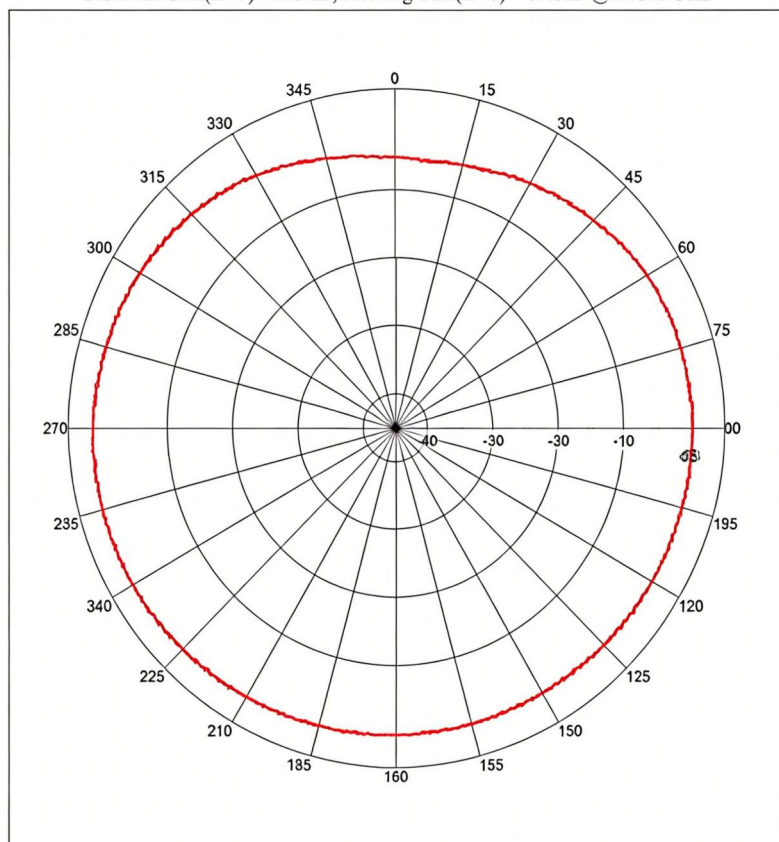
4.ReturnLoss



5.XY-Plane

Far-field Power Distribution(H+V) on X-Y Plane

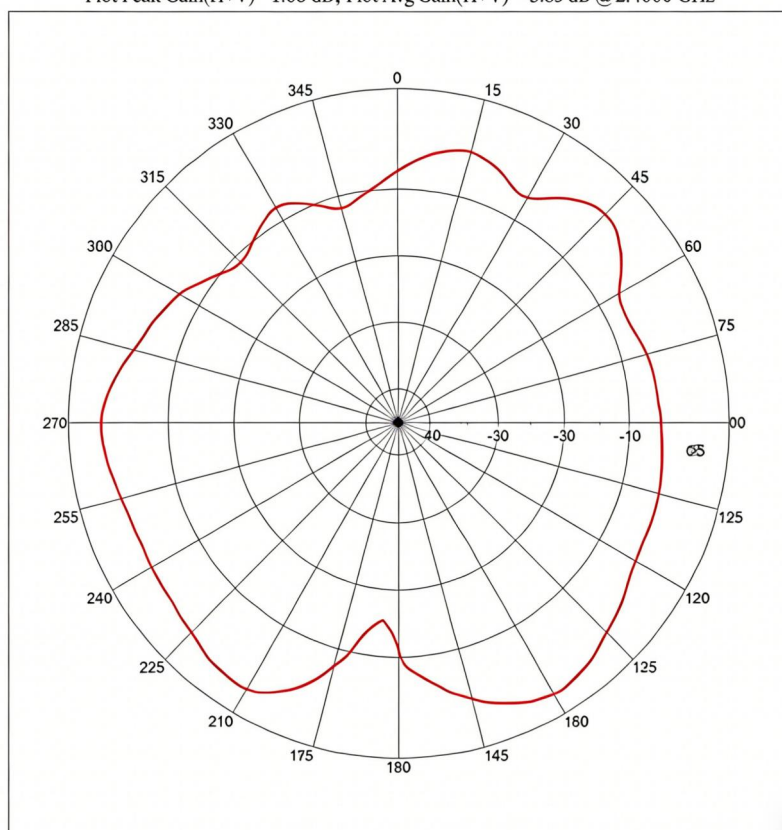
Plot Peak Gain(H+V)= 1.35 dB, Plot Avg Gain(H+V)=-0.48dB @2.4800 GHz



6.XZ-Plane

Far-field Power Distribution(H+V) on X-Z Plane

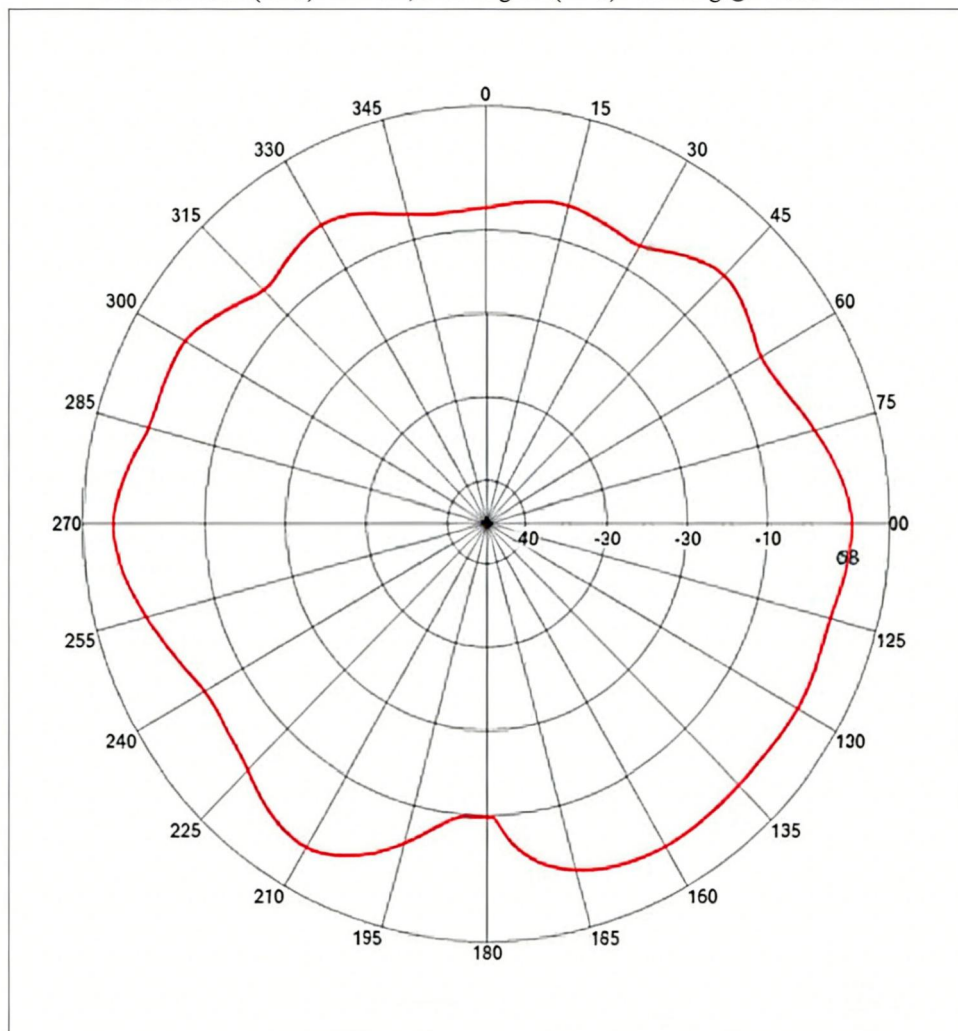
Plot Peak Gain(H+V)= 1.68 dB; Plot Avg Gain(H+V)=-3.83 dB @2.4000 GHz



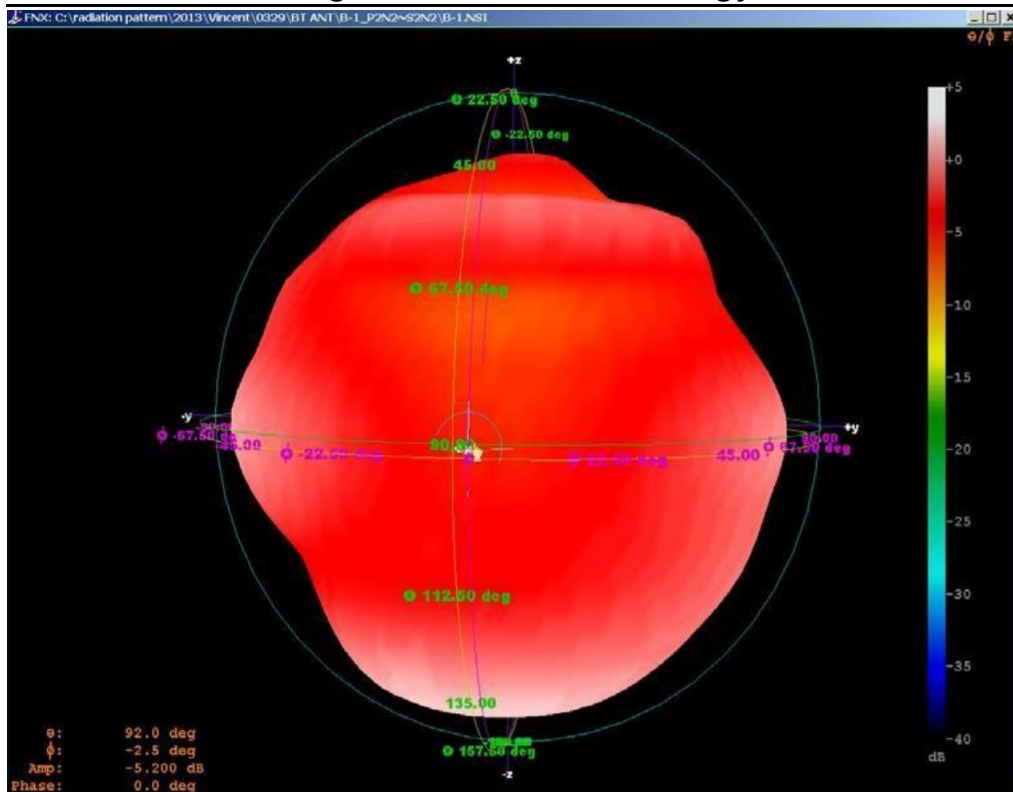
7. YZ-Plane

Far-field Power Distribution(H+V) on Y-Z Plane

Plot Peak Gain(H+V): 1.11 dB; Plot Angle α (H+V): -2.90deg @ 2.4000 GHz



8.3D Radiation Pattern Diagram



10.Test Setup Photo

