Antenna Specification

Manufacture：SYL

Product Name：YX-F-27-116-BT 玛尔斯 Antenna

Antenna Type：PCB

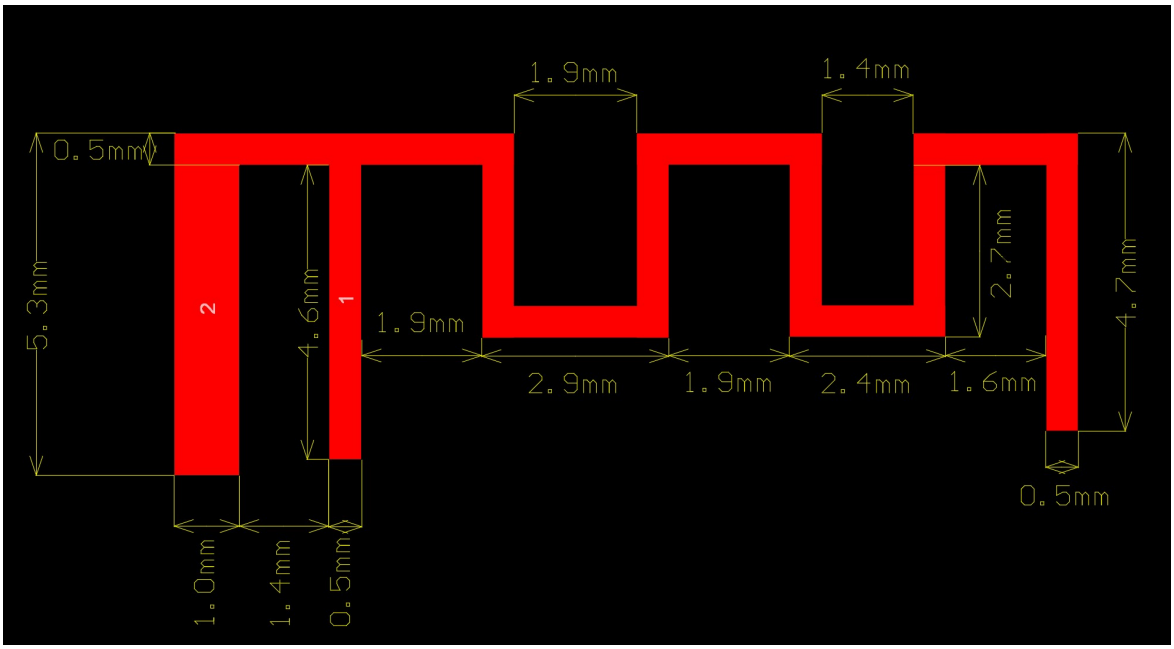
Test Date：2026/03/10

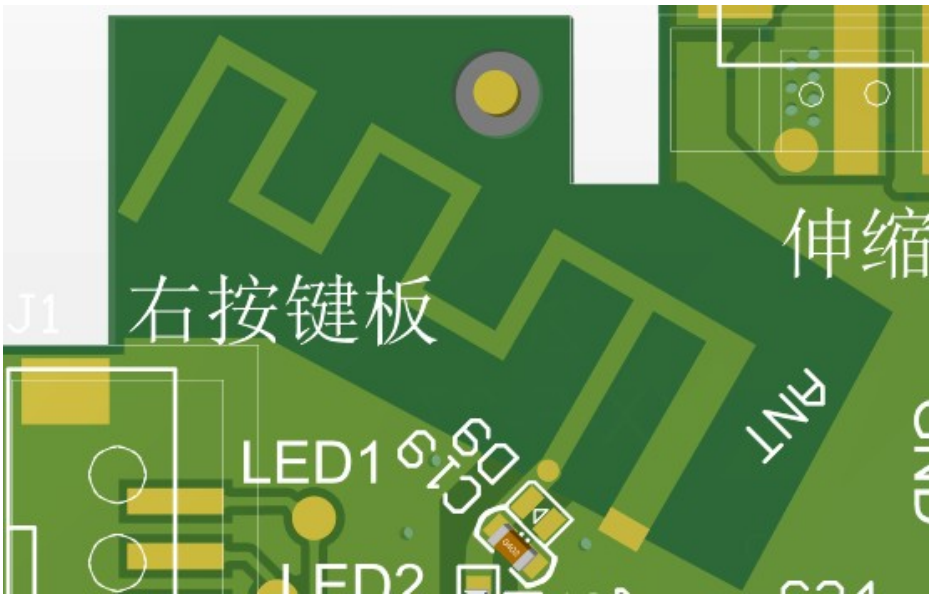
Tested by：	Checked By:	Approved By:
ChengMingWei	DuLin	QianCongGen

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：	众邦 ZB-BC-002-BT 马丁杯 Antenna
Product model：	众邦 ZB-BC-002-BT 马丁杯
Antenna Type：	PCB Antenna
Test Frequency：	2400-2480MHz
Antenna Gain：	2.499
VSWR：	＜3.2
Impedance：	50Ω
Polarization：	Linear

2.Antenna size:

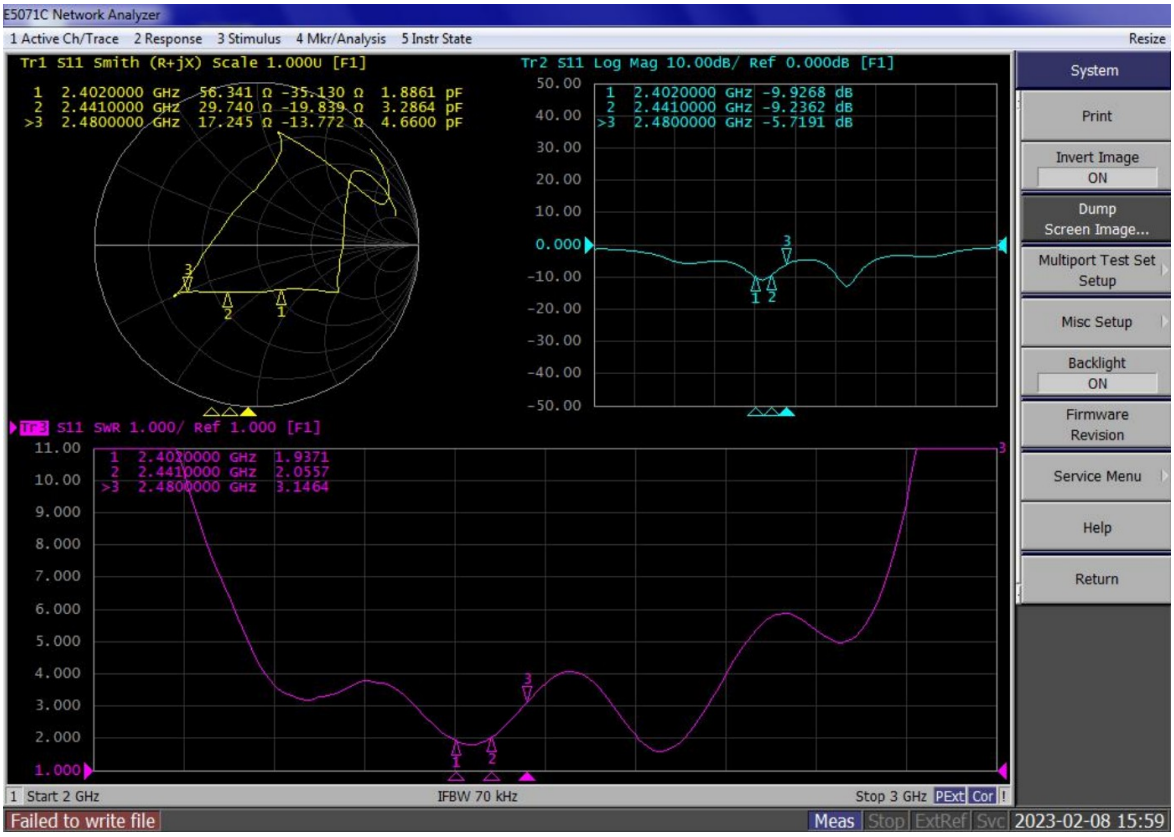




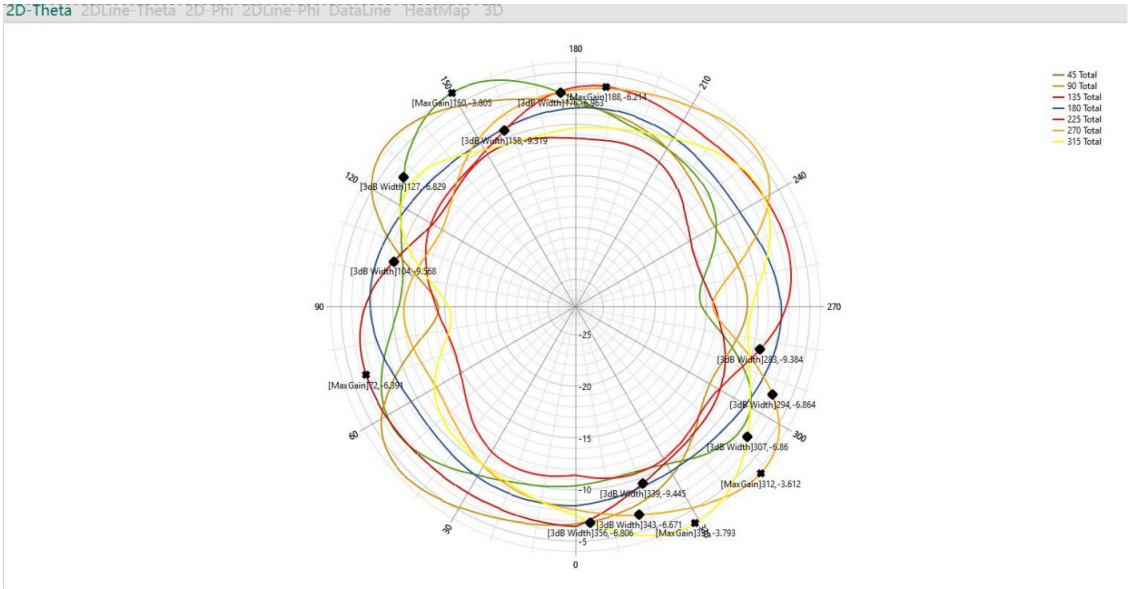
3.Gain and Efficiency

Frequency（MHz）	Gain（dBi）	Effciency（%）	AverageGain（dBi）	Efficiency（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

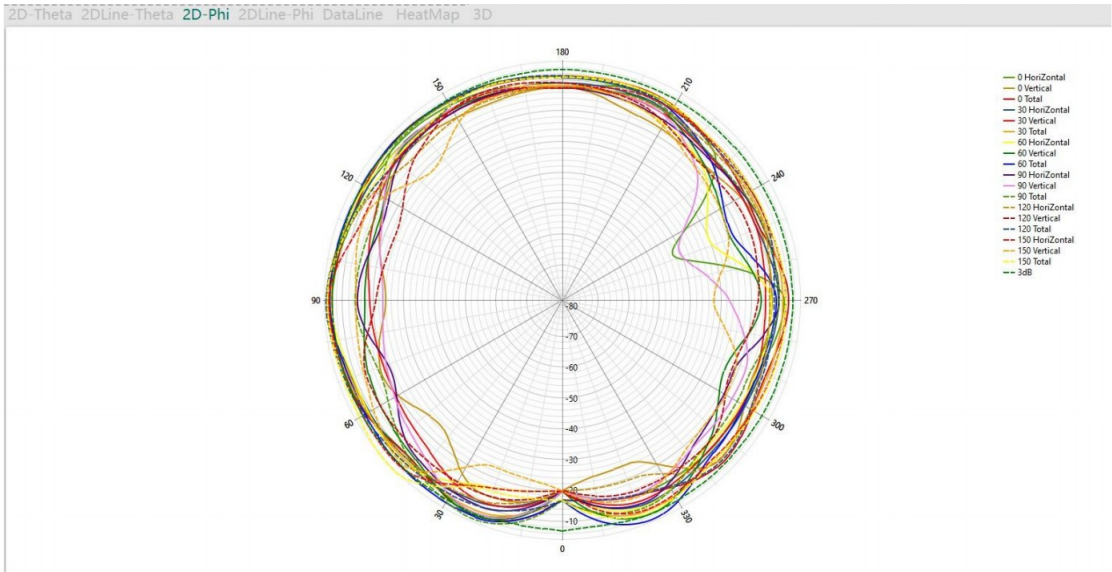
4.ReturnLoss



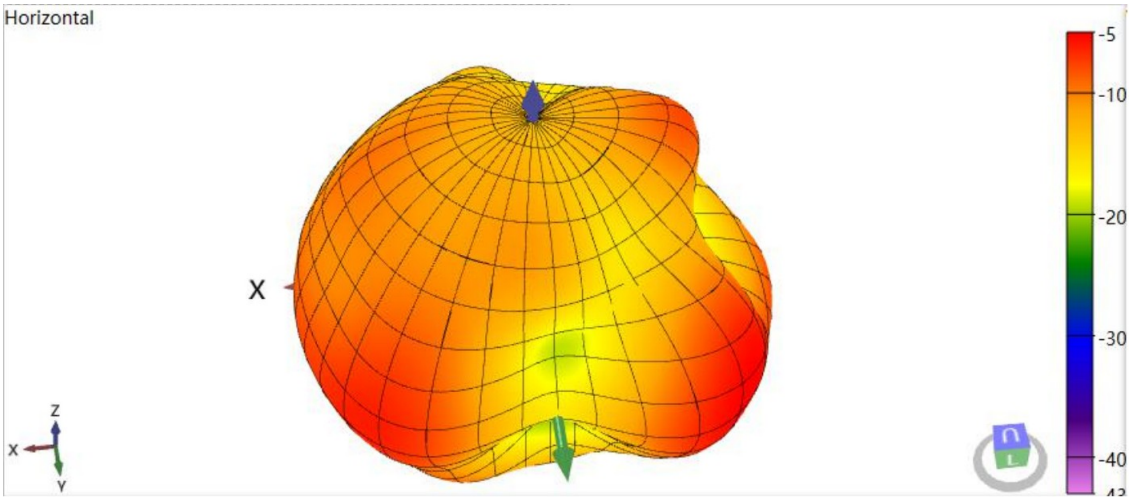
5.Antenna2440MHz2D-ThetaPattern



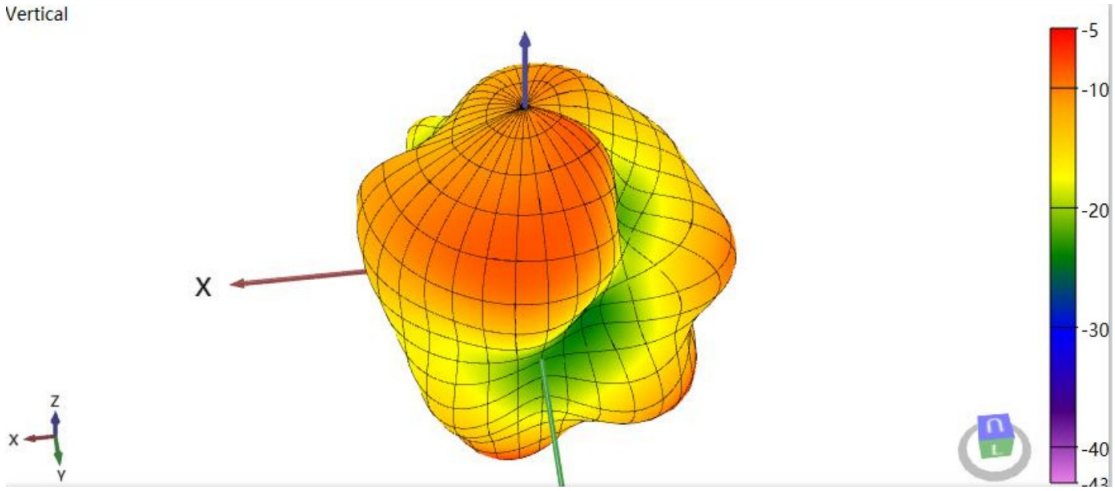
6.Antenna2440MHz2D-PhiPattern



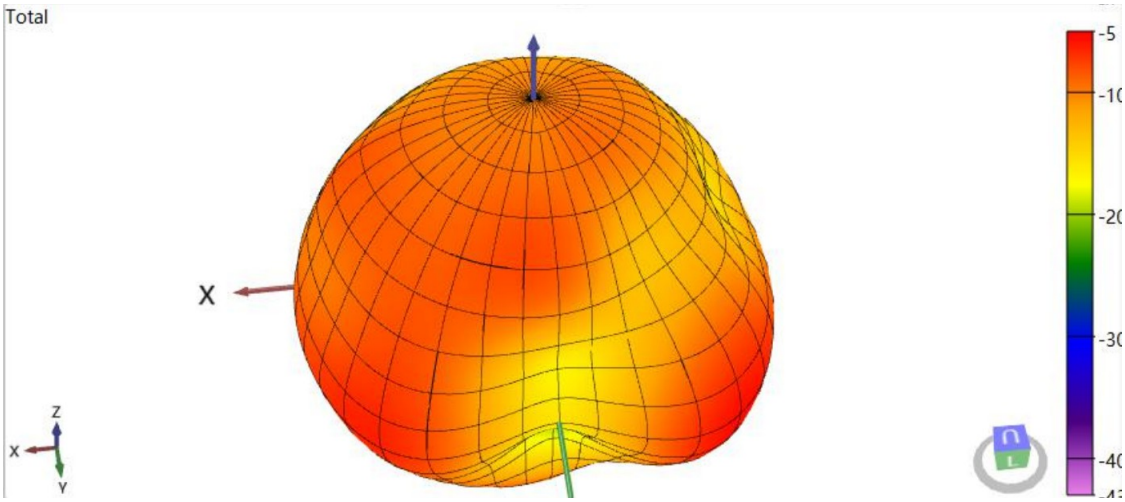
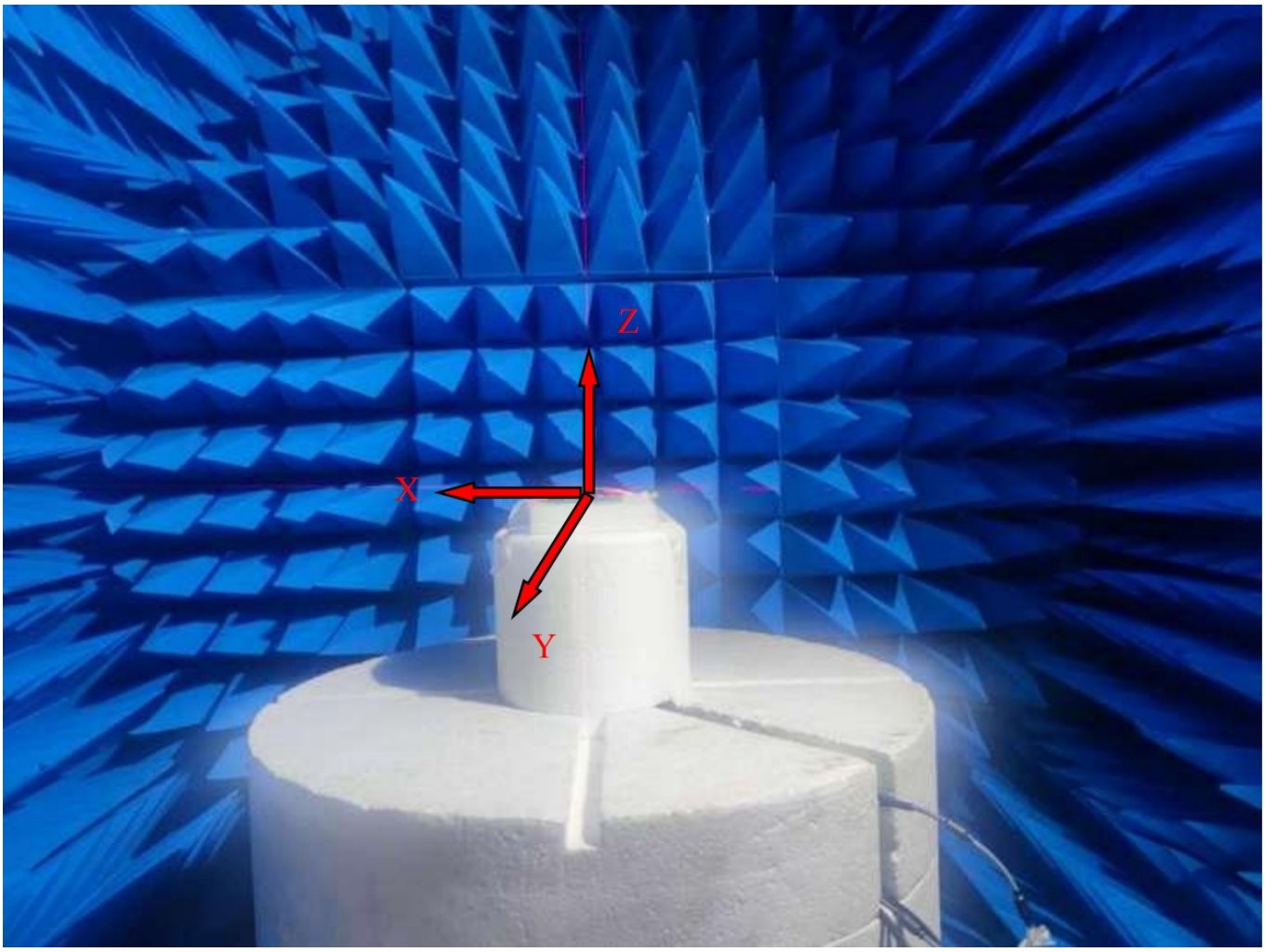
7.Antenna2440MHz3D-HorizontalPattern



8.Antenna2440MHz3D-VerticalPattern



9.Antenna2440MHz3D-TotalPattern



10.Test Setup Photo