



Antenna Specification

Manufacture: SYL

Product Name: AIS-519-BT-RX Antenna

Antenna Type: PCB

Test Date: 2026/04/25

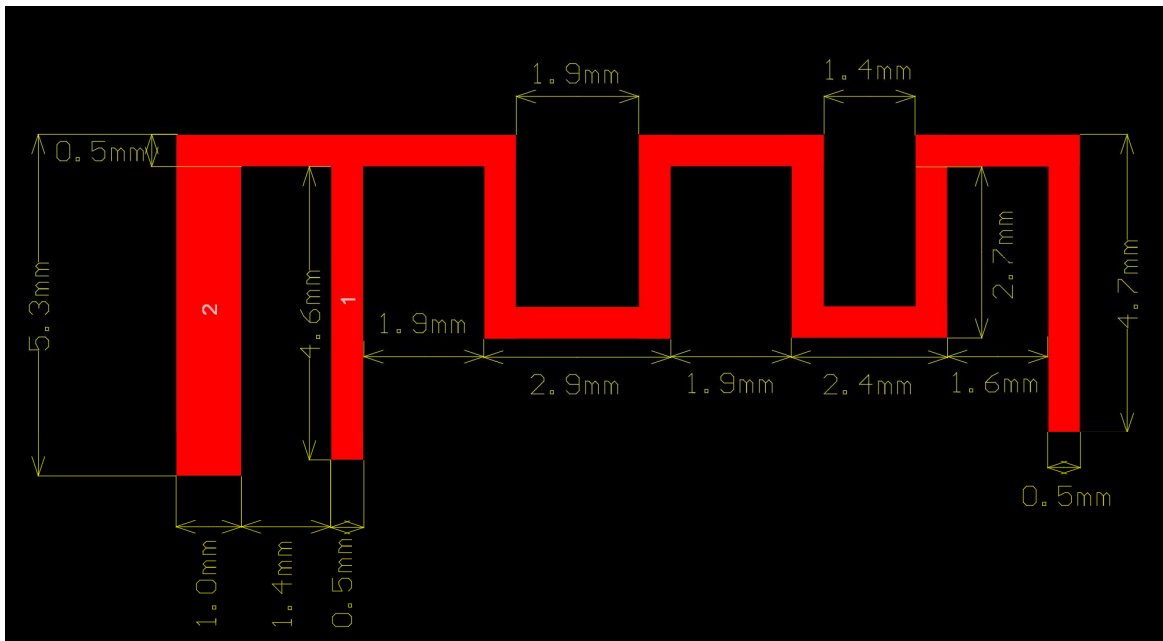
Tested by:	Checked By:	Approved By:
ChengMingWei	DuLin	QianCongGen



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:	AIS-519-BT-RX
Product model:	AIS-519-BT-RX
Antenna Type:	PCB Antenna
Test Frequency:	2400-2480MHz
Antenna Gain:	-4.81dBi
VSWR:	<3.2
Impedance:	50Ω
Polarization:	Linear

2.Antenna size:



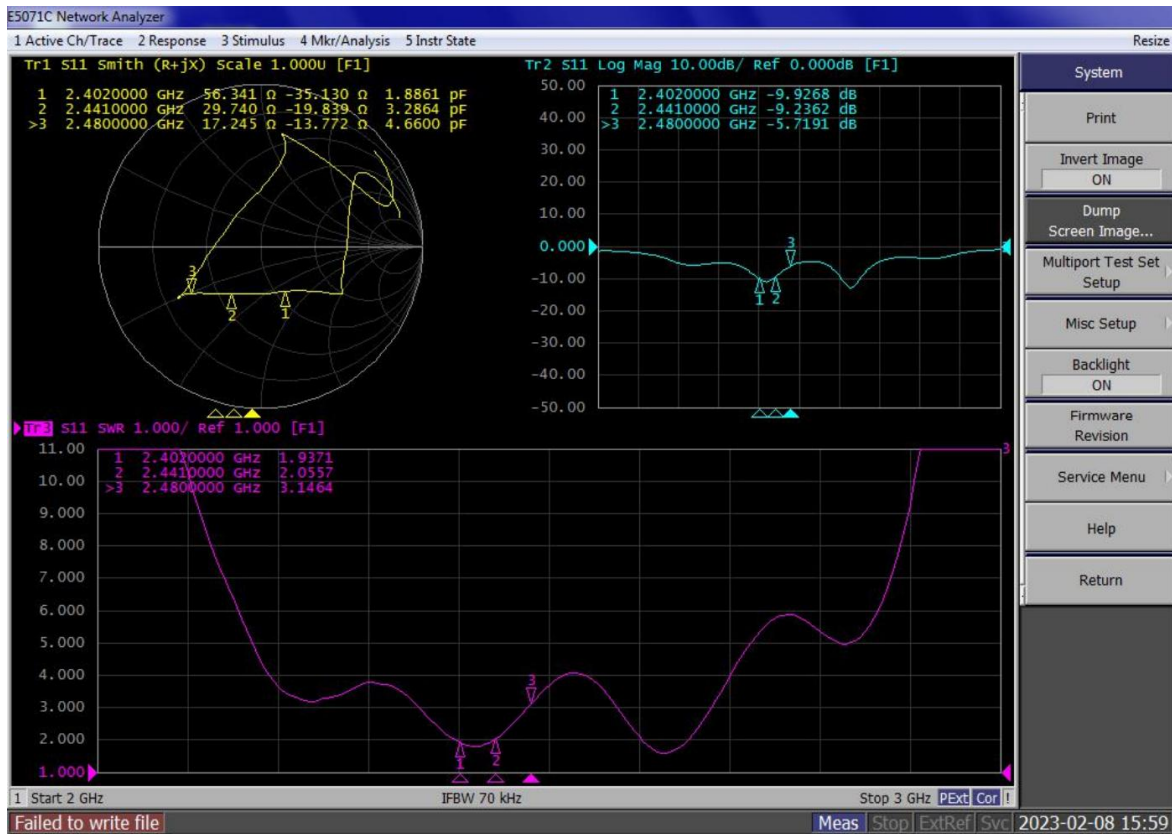


3.Gain and Efficiency

Frequency (MHz)	Gain (dBi)	Efficiency (%)	Efficiency (dB)
2400	-4.83	59.329%	-2.267
2410	-5.27	51.861%	-2.852
2420	-5.29	52.112%	-2.831
2430	-5.31	49.299%	-3.072
2440	-4.81	50.672%	-2.952
2450	-4.88	53.067%	-2.752
2460	-4.94	59.423%	-2.260
2470	-5.18	56.680%	-2.466
2480	-5.49	61.727%	-2.095
Peak	-4.81	54.908%	-2.616



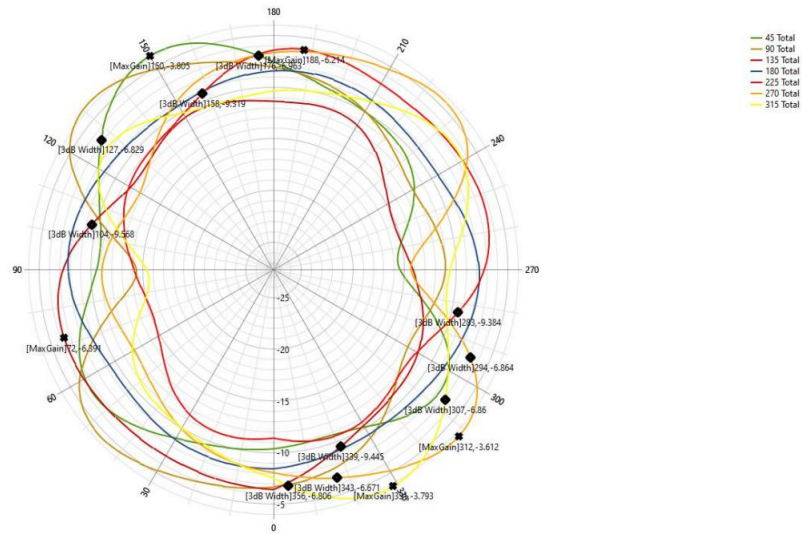
4.ReturnLoss





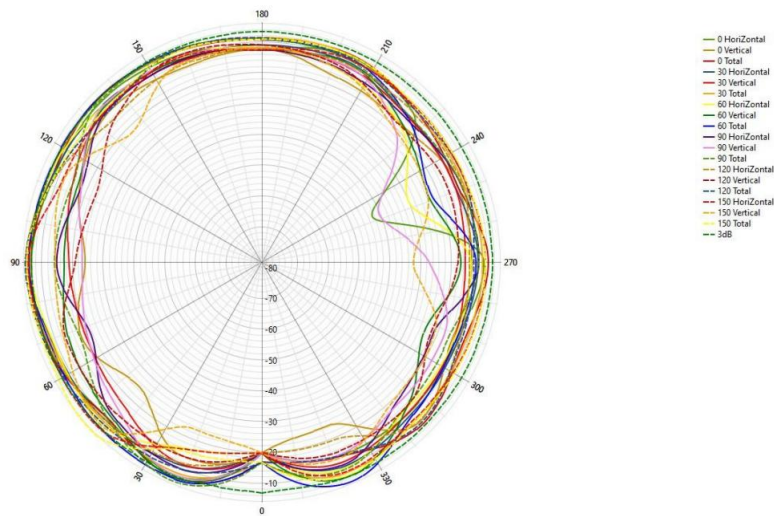
5. Antenna2440MHz2D-ThetaPattern

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

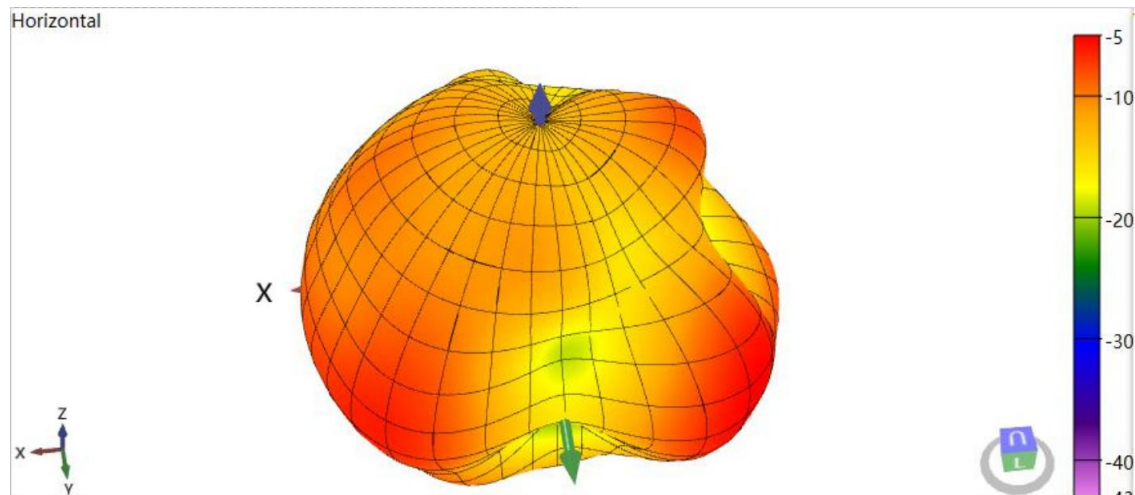


6. Antenna2440MHz2D-PhiPattern

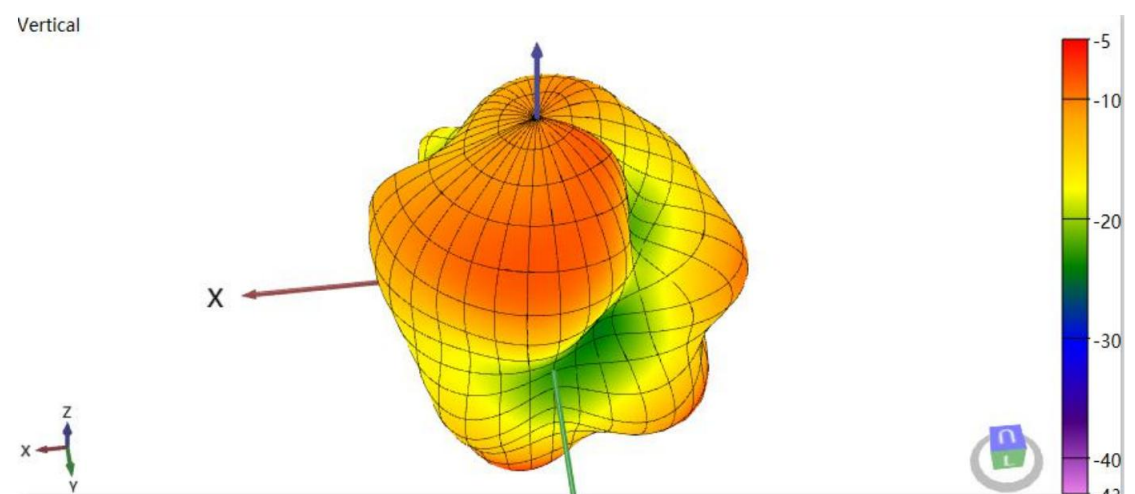
2D-Theta 2DLine-Theta 2D-Phi 2DLine-Phi DataLine HeatMap 3D



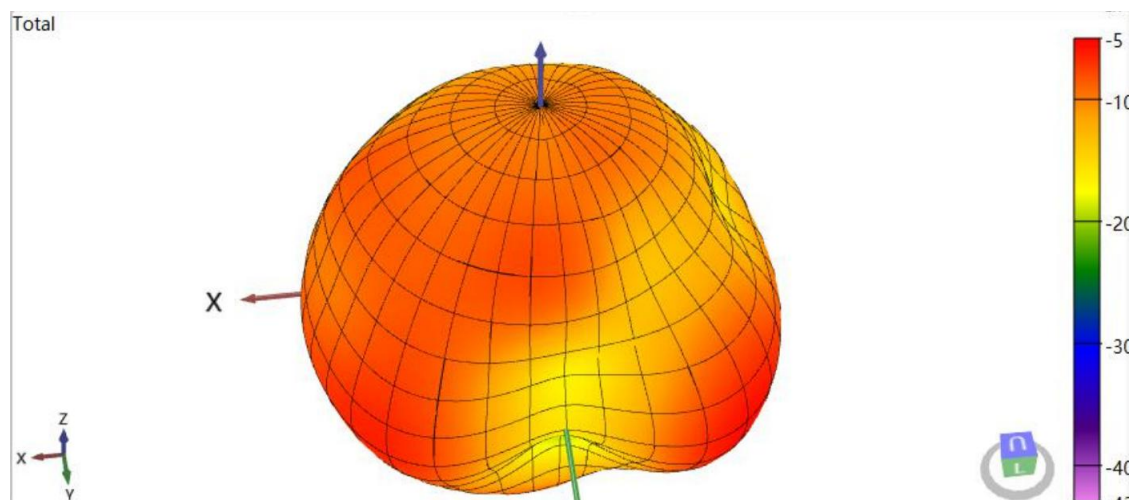
7. Antenna2440MHz3D-HorizontalPattern



8. Antenna2440MHz3D-VerticalPattern



9. Antenna2440MHz3D-TotalPattern



10.Test Setup Photo

