



Antenna Specification

Manufacture: SYL

Product Name: X-MEN-HJX8040-BT-RX 阿萝拉二代 Antenna

Antenna Type: PCB

Test Date: 2025/7/20

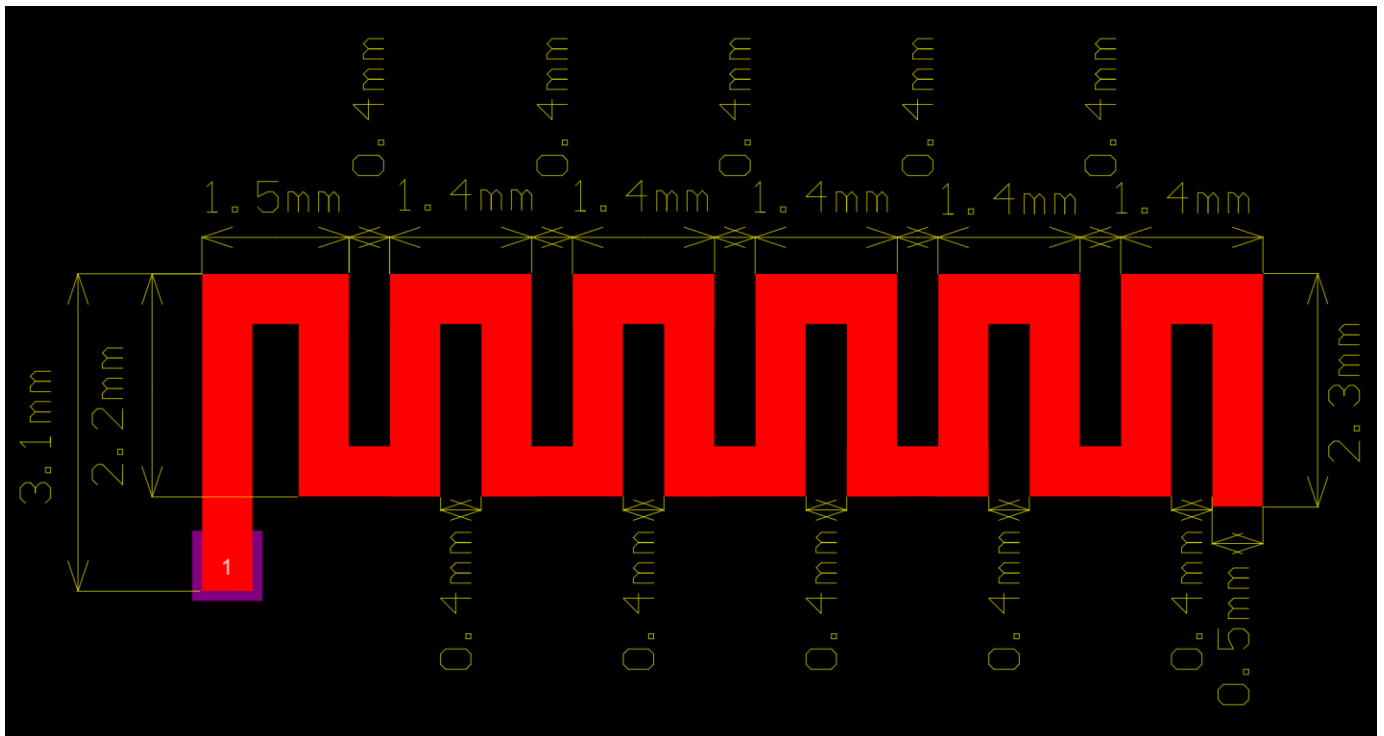
Tested by:	Checked By:	Approved By:
ChengMingWei	DuLin	QianCongGen



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:	X-MEN-HJX8040-BT-RX 阿萝拉二代 Antenna
Product model:	X-MEN-HJX8040-BT-RX 阿萝拉二代
Antenna Type:	PCB Antenna
Test Frequency:	2400-2500MHz
Antenna Gain:	1.9dBi
VSWR:	<1.4
Impedance:	50Ω
Polarization:	Linear

2. Antenna size:

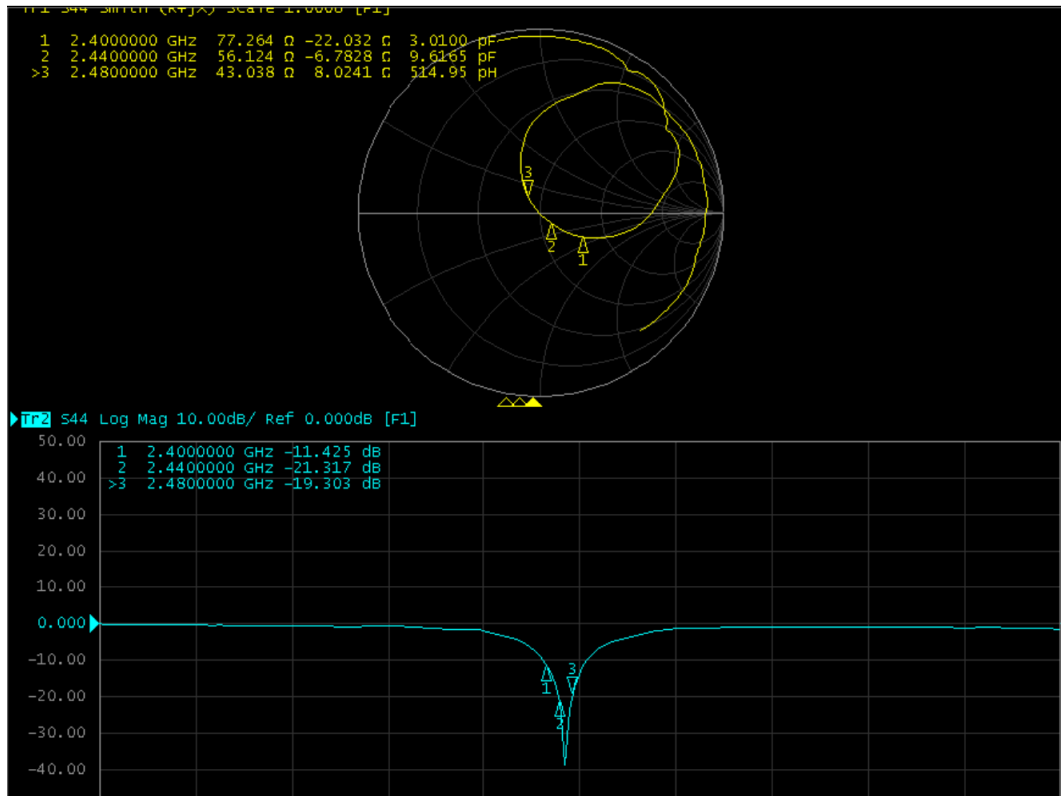




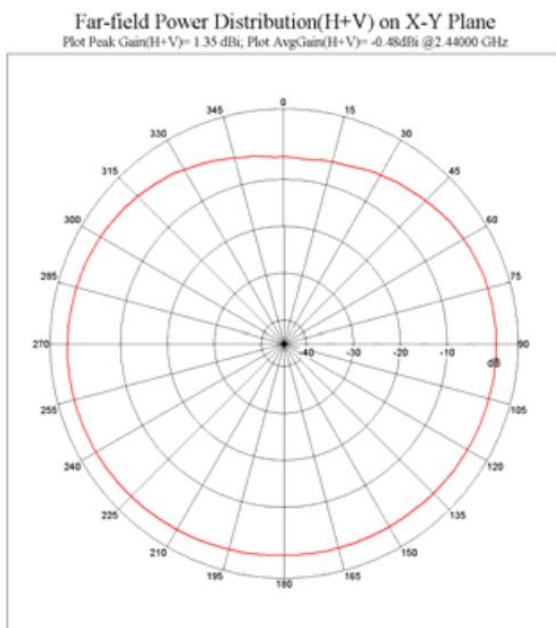
3.Gain and Efficiency

Frequency	Efficiency (%)	Antenna Gain (dBi)
2400MHz	60.2%	1.1
2440MHz	56.2%	1.9
2480MHz	53.2%	1.2

4.ReturnLoss



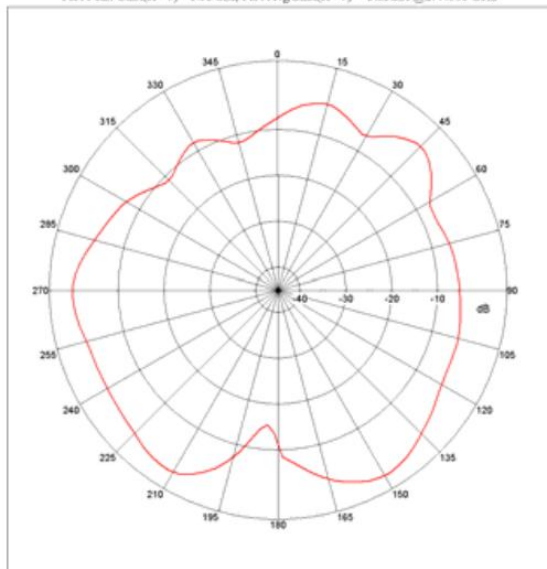
5.XY-Plane





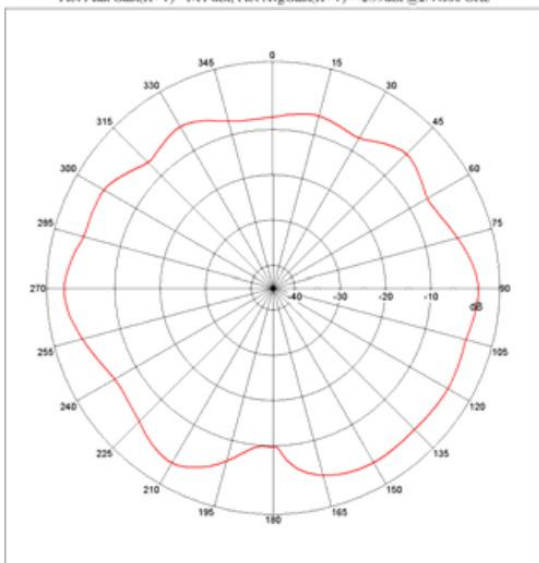
6.XZ-Plane

Far-field Power Distribution(H+V) on X-Z Plane
Plot Peak Gain(H+V)= 1.68 dBi; Plot AvgGain(H+V)= -3.83dBi @2.44000 GHz

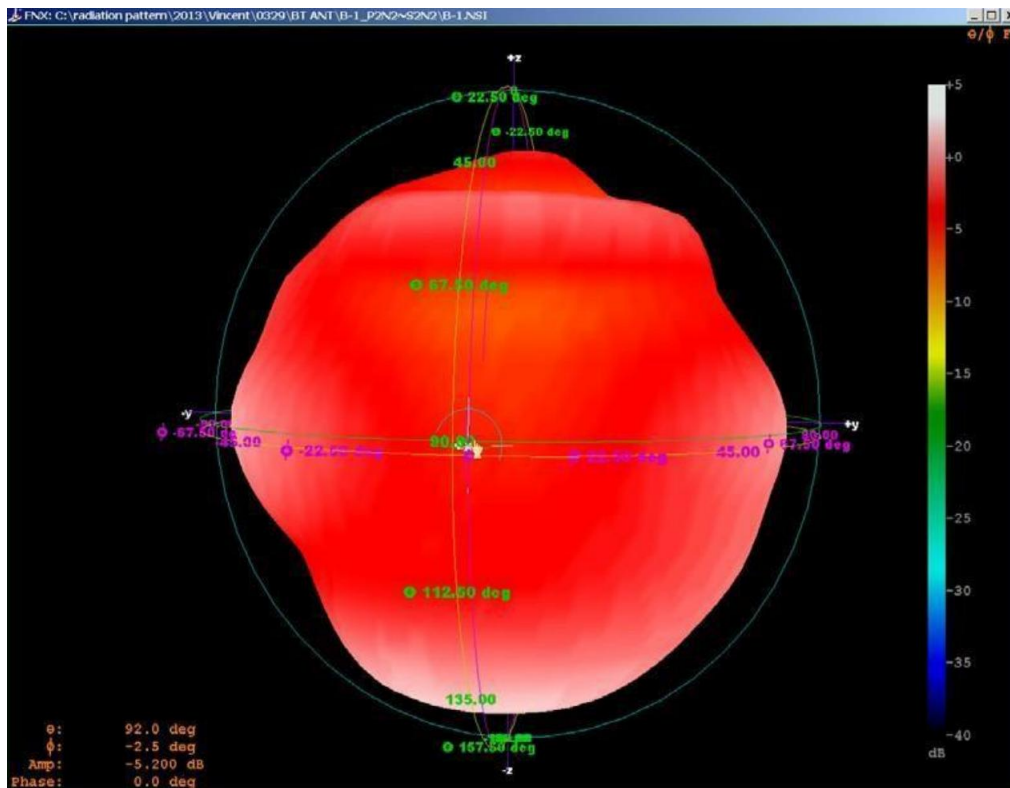


7. YZ-Plane

Far-field Power Distribution(H+V) on Y-Z Plane
Plot Peak Gain(H+V)= 1.11 dBi; Plot AvgGain(H+V)= -2.99dBi @2.44000 GHz



8.3D Radiation Pattern Diagram



10.Test Setup Photo

