



# Antenna Test Report

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**Customer :** 绿联  
**Project :** X8  
**Date** 20260105



## Specification规格书

### *Test Setup for Radiation Pattern Measurement*

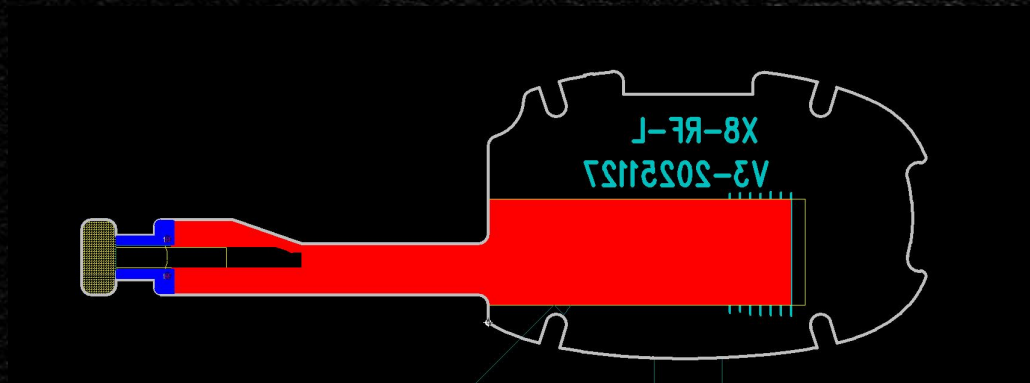


| Equipment           | Brand        | Module Type       |
|---------------------|--------------|-------------------|
| Network Analyzer    | keysight     | 5071c (100K-8.5G) |
| Signal Generator    | R&S          | CMW500            |
| Signal Generator    | Agilent      | E4438C            |
| 3D Anechoic chamber | General Test | RayZone 2800      |

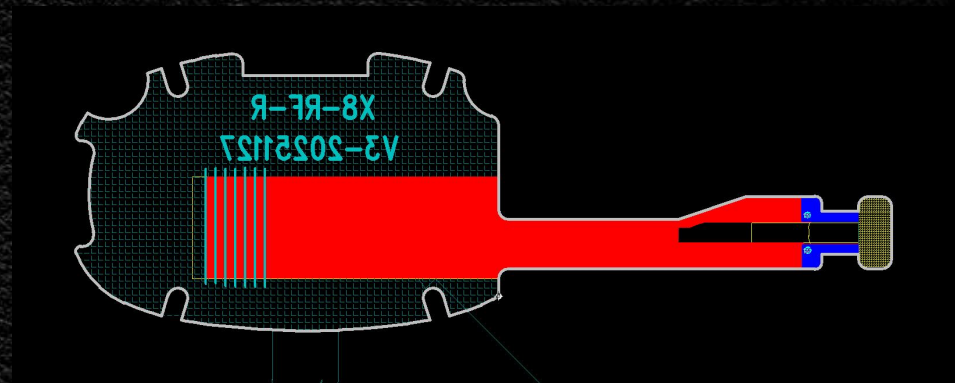


# Specification规格书

*ANT picture*



L



R

Manufacturer : Shenzhen Hemingcheng Industrial Co., Ltd

Test software /equipment : **RayZone 2800**

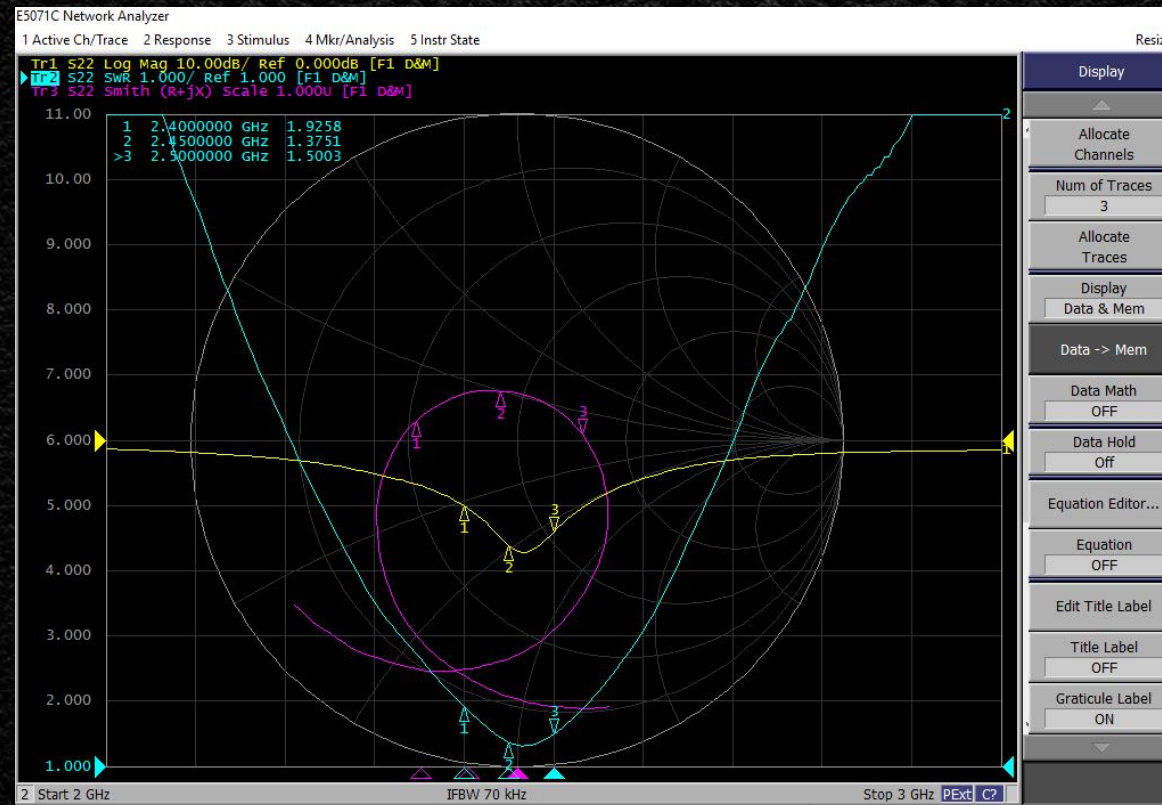
Equipment calibration date: 2024-02-10

Manufacturer address: Building A, Room 101, Taohuayuan Hi-Tech Park, Xixiang Street,  
Baoan District, Shenzhen, Guangdong, P.R.C.

Test Lab : **Tiinlab---RF-Lab**



# Specification规格书



VSWR/Smith圆图-----BH



# Specification规格书

## Results Summary

### Gain & Efficiency (Free Space)

| Frequency (MHz) | L               |                | R               |                |
|-----------------|-----------------|----------------|-----------------|----------------|
|                 | Peak Gain (dBi) | Efficiency (%) | Peak Gain (dBi) | Efficiency (%) |
| 2400            | -3.12           | 22.45          | -2.72           | 24.33          |
| 2410            | -2.92           | 24.53          | -2.62           | 25.12          |
| 2420            | -2.68           | 25.49          | -2.58           | 25.46          |
| 2430            | -2.57           | 26.17          | -2.53           | 26.37          |
| 2440            | -2.51           | 26.89          | -2.50           | 25.21          |
| 2450            | -2.50           | 27.12          | -2.59           | 24.43          |
| 2460            | -2.78           | 26.22          | -2.63           | 24.23          |
| 2470            | -2.98           | 25.52          | -2.67           | 23.19          |
| 2480            | -3.25           | 24.21          | -2.83           | 22.76          |
| 2490            | -3.32           | 22.34          | -2.99           | 22.45          |
| 2500            | -3.51           | 20.17          | -3.43           | 21.13          |



# Specification规格书

## Results Summary

### Gain & Efficiency (BH)

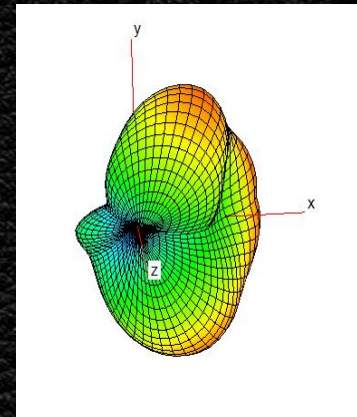
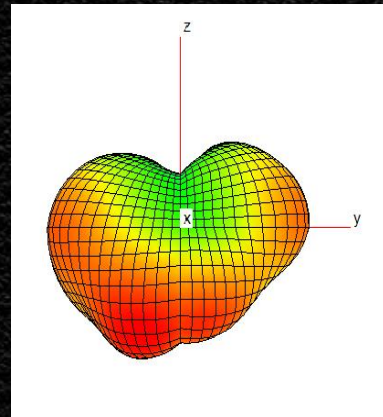
| Frequency (MHz) | L               |                | R               |                |
|-----------------|-----------------|----------------|-----------------|----------------|
|                 | Peak Gain (dBi) | Efficiency (%) | Peak Gain (dBi) | Efficiency (%) |
| 2400            | -5.13           | 5.19           | -6.34           | 5.84           |
| 2410            | -4.82           | 5.21           | -6.16           | 6.12           |
| 2420            | -4.56           | 5.33           | -5.87           | 6.32           |
| 2430            | -4.32           | 5.52           | -5.72           | 6.39           |
| 2440            | -5.13           | 5.71           | -5.56           | 6.57           |
| 2450            | -5.38           | 6.12           | -4.92           | 6.68           |
| 2460            | -5.62           | 6.19           | -5.11           | 6.98           |
| 2470            | -5.83           | 6.38           | -5.28           | 6.52           |
| 2480            | -6.19           | 6.11           | -5.49           | 6.32           |
| 2490            | -6.38           | 5.77           | -5.7            | 6.19           |
| 2500            | -6.97           | 5.52           | -6.17           | 6.06           |



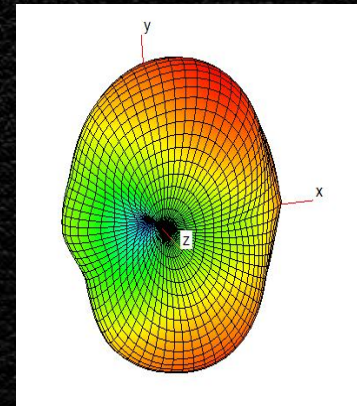
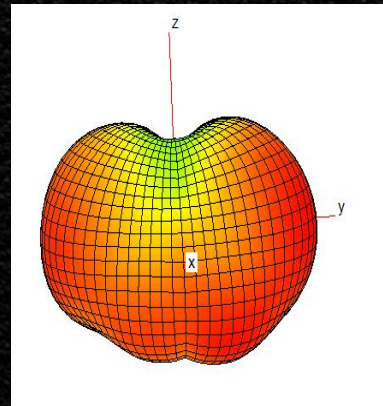
# Specification规格书

## *Radiation Pattern (FS)*

L



R

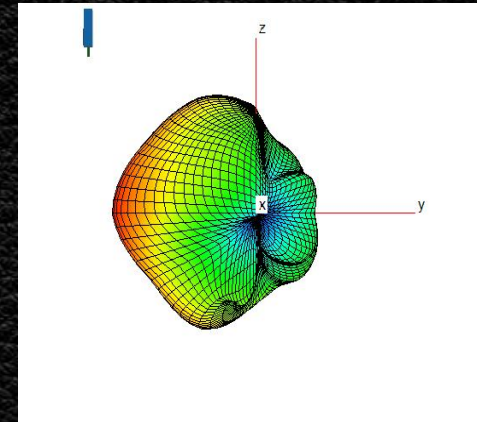
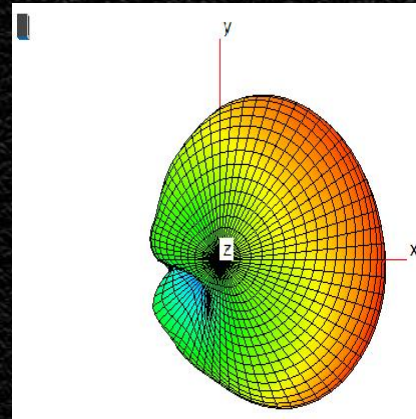




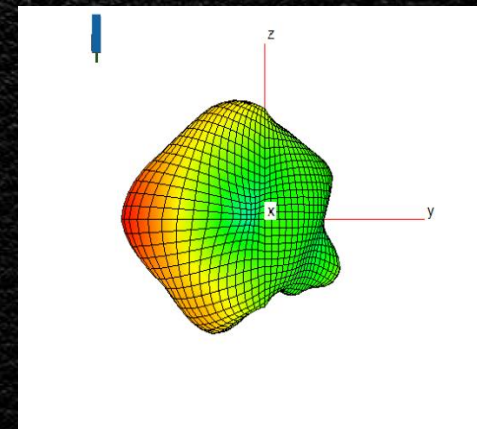
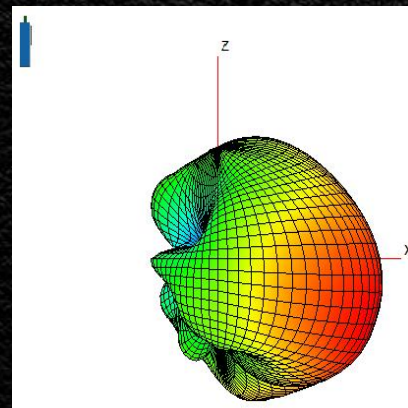
# Specification规格书

## *Radiation Pattern (BH)*

L



R



*BH-Gain : -4.3dBi*



# Specification规格书

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**THANK YOU !**

