



Antenna Test Report

Customer : MOTO
Project : OBOE
Date 20250220



Antenna Test Report

Test Setup for Radiation Pattern Measurement

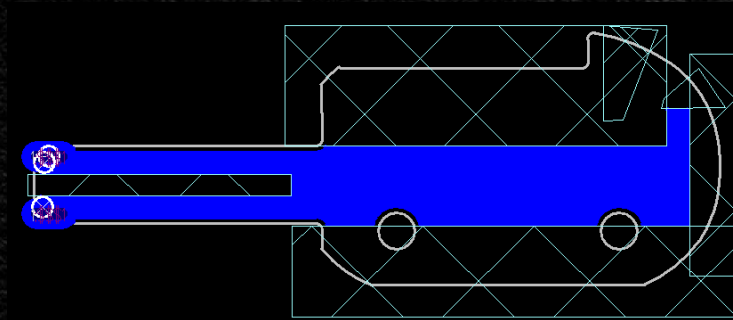


Equipment	Brand	Module Type
Network Analyzer	keysight	5071c (100K-8.5G)
Signal Generator	R&S	CMW500
Signal Generator	Agilent	E4438C
3D Anechoic chamber	General Test	RayZone 2800

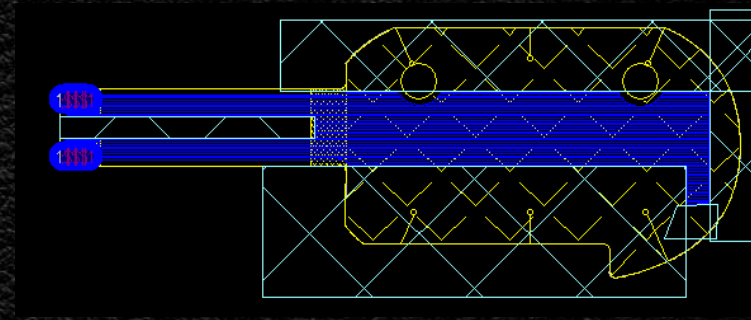


Antenna Test Report

ANT picture



L



R

Manufacturer : Shenzhen Hemingcheng Industrial Co., Ltd

Test software /equipment : **RayZone 2800**

Equipment calibration date : 2024-02-10

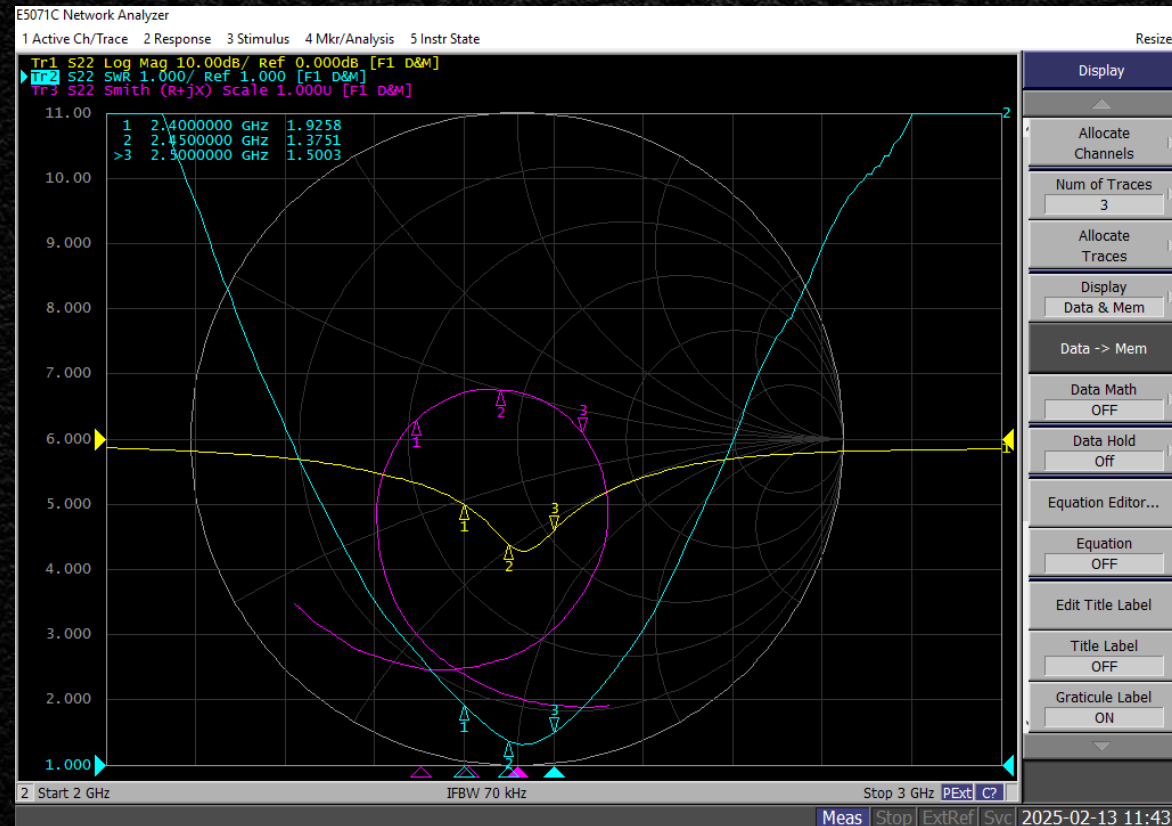
Manufacturer address : Building A, Room 101, Taohuayuan Hi-Tech Park, Xixiang Street,
Baoan District, Shenzhen, Guangdong, P.R.C.

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

Antenna type: FPC



Antenna Test Report



VSWR/Smith圆图-----BH



Antenna Test Report

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



Antenna Test Report

Results Summary

Gain & Efficiency (BH)

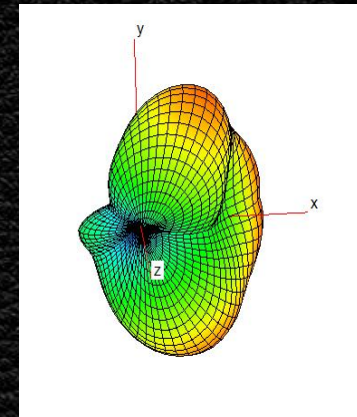
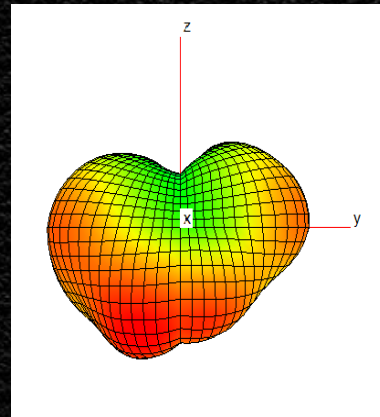
Frequency (MHz)	L		R	
	Peak Gain (dBi)	Efficiency (%)	Peak Gain (dBi)	Efficiency (%)
2400	-5.13	5.19	-6.34	5.84
2410	-4.82	5.21	-6.16	6.12
2420	-4.56	5.33	-5.87	6.32
2430	-4.32	5.52	-5.72	6.39
2440	-5.13	5.71	-5.56	6.57
2450	-5.38	6.12	-4.92	6.68
2460	-5.62	6.19	-5.11	6.98
2470	-5.83	6.38	-5.28	6.52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



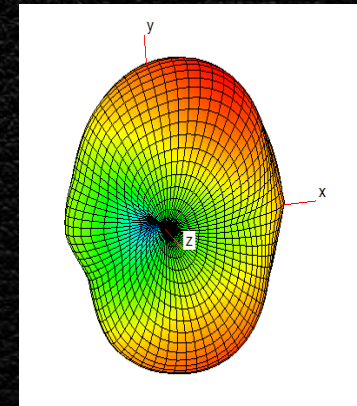
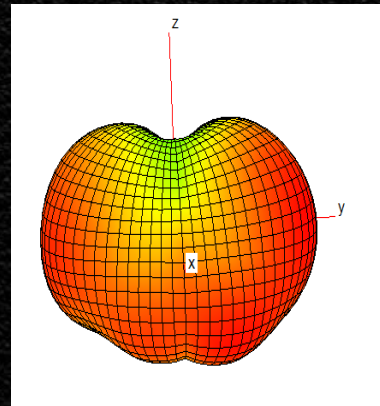
Antenna Test Report

Radiation Pattern (FS)

L



R

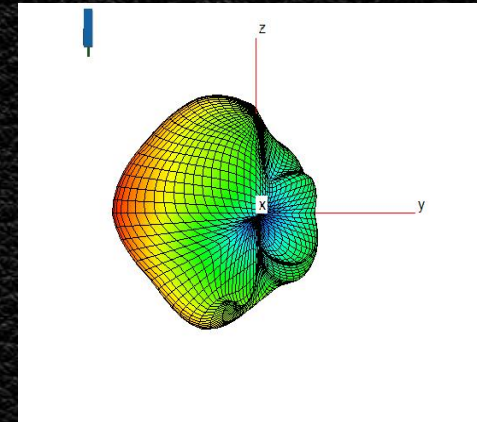
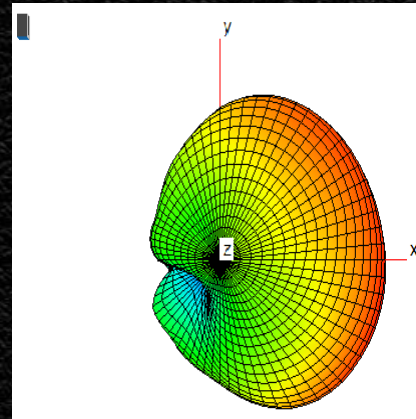




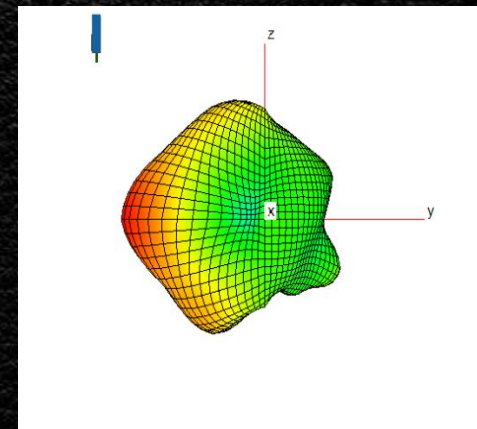
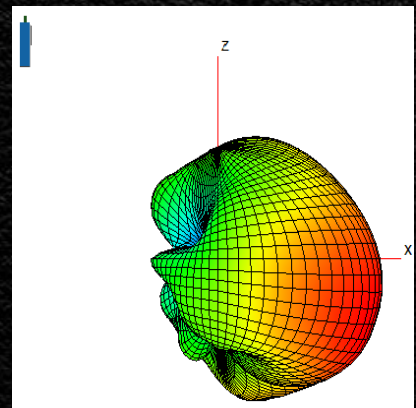
Antenna Test Report

Radiation Pattern (BH)

L



R



BH-Gain : -4.3dBi



Antenna Test Report

THANK YOU !

