



Antenna Test Report

Customer : JLAB
Project : JT1008
Date 20250730



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



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ANT picture



Manufacturer : Shenzhen Hemingcheng Industrial Co., Ltd.

Test software /equipment : **RayZone 2800**

Equipment calibration date : 2025-01-15

Building 5, No. 37, Dongfang 1st Road, Songgang Town, Baoan District, Shenzhen Test Lab :

Tiinlab---RF-Lab



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Results Summary

Gain & Efficiency (Free Space)

Frequency (MHz)	L		R	
	Peak Gain (dBi)	Efficiency (%)	Peak Gain (dBi)	Efficiency (%)
2400	-2.22	22.45	-1.98	24.33
2410	-1.72	24.53	-1.82	25.12
2420	-1.68	25.49	-1.71	25.46
2430	-1.57	26.17	-1.62	26.37
2440	-1.5	26.89	-1.58	25.21
2450	-1.55	27.12	-1.52	24.43
2460	-1.78	26.22	-1.63	24.23
2470	-1.82	25.52	-1.77	23.19
2480	-2.05	24.21	-1.94	22.76
2490	-2.12	22.34	-2.04	22.45
2500	-2.33	20.17	-2.13	21.13



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Results Summary

Gain & Efficiency (BH)

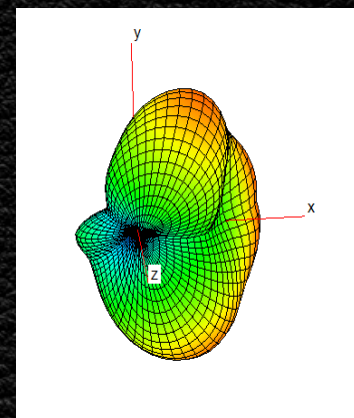
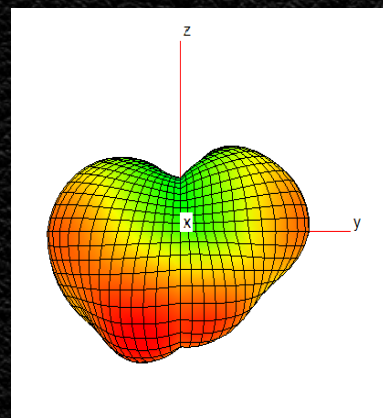
Frequency (MHz)	L		R	
	Peak Gain (dBi)	Efficiency (%)	Peak Gain (dBi)	Efficiency (%)
2400	-3.13	8.19	-3.78	8.34
2410	-2.82	8.21	-3.54	8.62
2420	-2.56	8.33	-3.31	8.82
2430	-2.32	8.52	-3.18	8.89
2440	-2.43	8.71	-2.75	9.07
2450	-2.88	9.12	-3.01	9.18
2460	-3.22	9.19	-3.22	9.48
2470	-3.43	9.38	-3.31	9.02
2480	-3.69	9.11	-3.66	8.82
2490	-3.78	8.77	-3.81	8.69
2500	-3.97	8.52	3.85	8.56



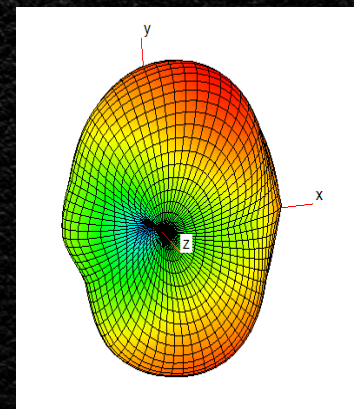
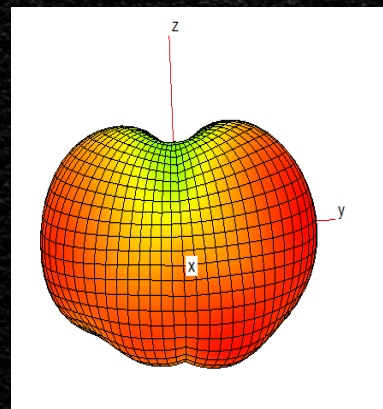
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Radiation Pattern (FS)

L



R

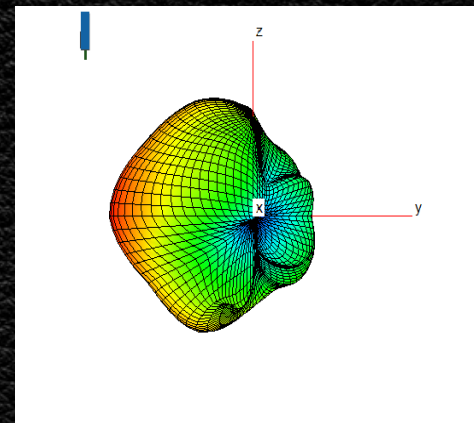
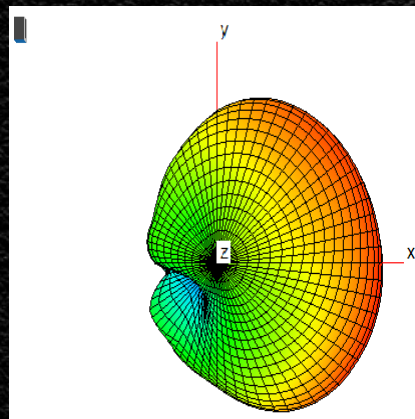




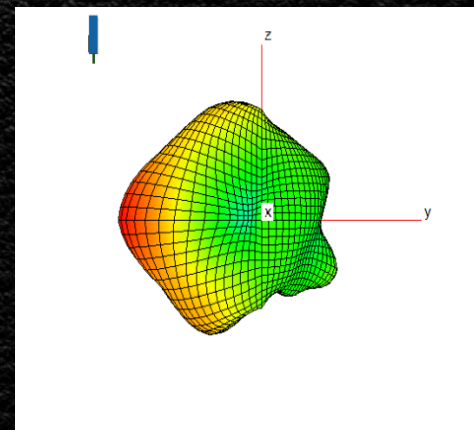
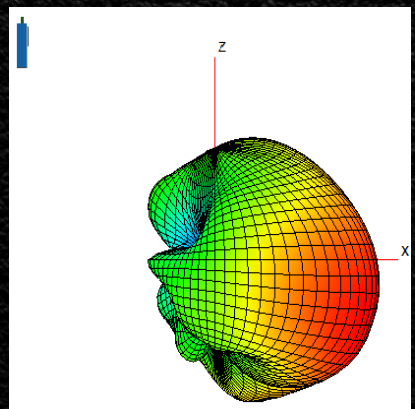
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Radiation Pattern (BH)

L



R





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THANK YOU !

