



Antenna Test Report

Customer : Baseus

Project : PM142

Date 20240422



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

L/R



Antenna Type : **FPC-PIFA**

Manufacturer : **Shenzhen Hemingcheng Industrial Co., Ltd.**

Test software /equipment : **RayZone 2800**

Equipment calibration date: 2025-04-22

Baoan District, Shenzhen, Guangdong, P.R.C.

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	-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



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Results Summary

Gain & Efficiency (BH)

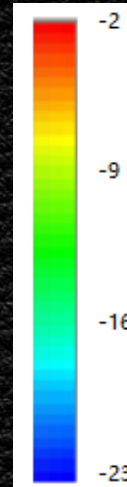
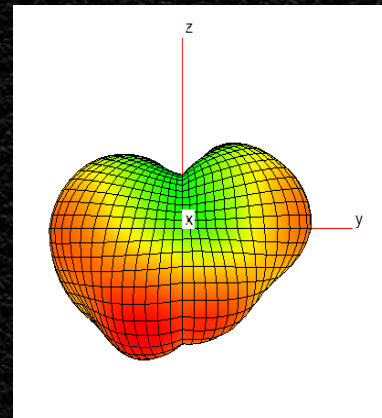
Frequency (MHz)	L		R	
	Peak Gain (dBi)	Efficiency (%)	Peak Gain (dBi)	Efficiency (%)
2400	-5.9	7.1	-6.62	5.86
2410	-6.01	6.92	-6.44	6.06
2420	-6.13	6.71	-6.38	6.21
2430	-6.29	6.52	-6.08	6.53
2440	-6.36	6.45	-6	6.74
2450	-6.37	6.36	-5.88	6.91
2460	-6.52	6.09	-5.89	7.02
2470	-6.73	5.81	-5.84	7.1
2480	-6.92	5.57	-5.76	7.33
2490	-7.18	5.37	-5.81	7.26
2500	-7.37	5.17	-5.38	7.9



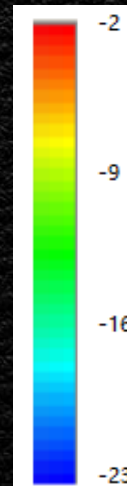
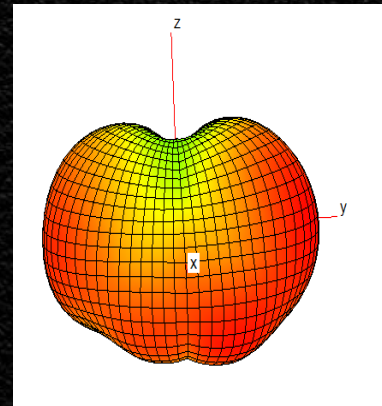
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Radiation Pattern (FS) 2450MHz

L



R

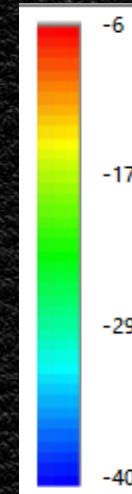
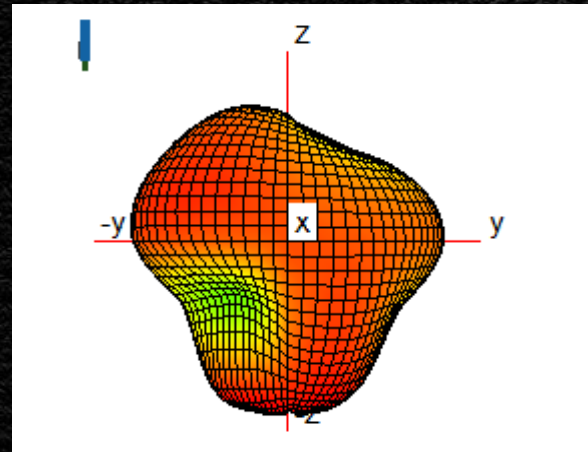




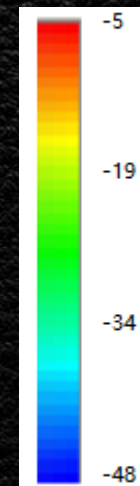
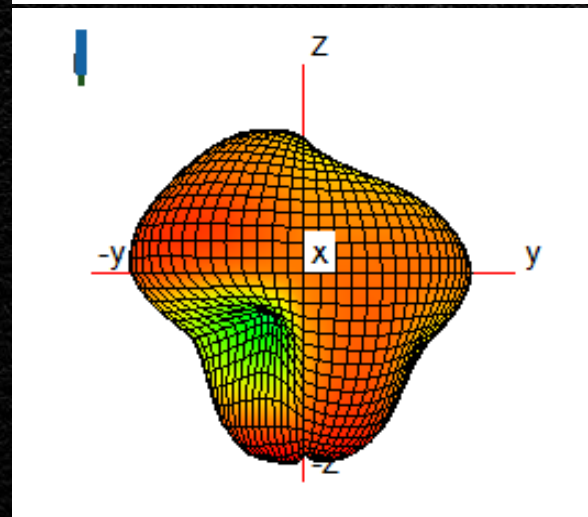
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Radiation Pattern (BH) 2450MHz

L



R





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THANK YOU !

