



Antenna Test Report

Customer : 倍思
Project : PM137
Date 20250422



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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EP-ANT picture



L



R

Antenna Type : **FPC-PIFA**

Manufacturer : Shenzhen Hilintech Technology

Test software /equipment : **RayZone 2800**

Equipment calibration date: 2023-01-15

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

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



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Results Summary

Gain & Efficiency (EP-FS)

Frequency (MHz)	L		R	
	Peak Gain (dBi)	Efficiency (%)	Peak Gain (dBi)	Efficiency (%)
2400	-1.55	26.8	-0.95	28.51
2410	-1.58	26.03	-1.13	27.21
2420	-1.59	25.2	-1.32	25.79
2430	-1.48	24.79	-1.45	24.61
2440	-1.53	24.02	-1.53	23.4
2450	-1.55	23.28	-1.5	22.67
2460	-1.66	22.55	-1.64	21.55
2470	-1.65	22.54	-1.77	20.46
2480	-1.73	22.46	-1.96	19.48
2490	-1.77	22.4	-2.03	19.15
2500	-1.77	22.27	-2.13	18.85



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Results Summary

Gain & Efficiency (EP-BH)

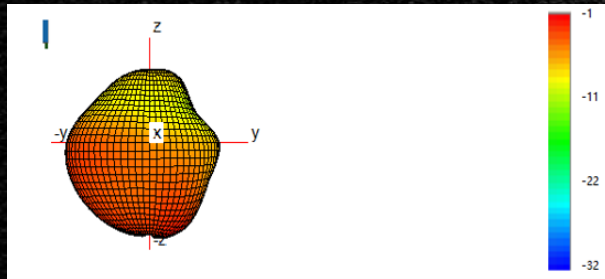
Frequency (MHz)	L		R	
	Peak Gain (dBi)	Efficiency (%)	Peak Gain (dBi)	Efficiency (%)
2400	-5.32	8.28	-5.27	6.91
2410	-5.34	8.22	-5.39	6.81
2420	-5.55	7.91	-5.48	6.65
2430	-5.68	7.73	-5.56	6.65
2440	-5.8	7.45	-5.65	6.59
2450	-6.08	6.94	-5.76	6.55
2460	-6.26	6.65	-5.8	6.45
2470	-6.46	6.38	-5.91	6.32
2480	-6.55	6.15	-5.95	6.17
2490	-6.57	5.95	-6.08	6
2500	-6.64	5.68	-6.27	5.74



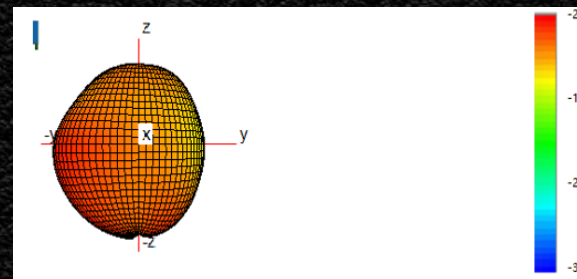
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Radiation Pattern (FS)

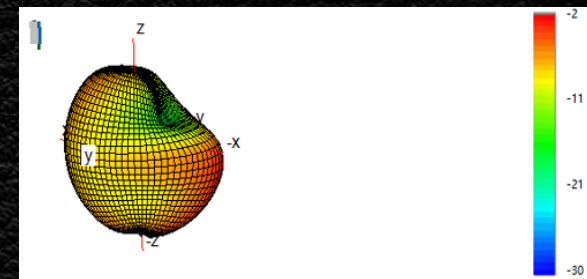
2400MHz



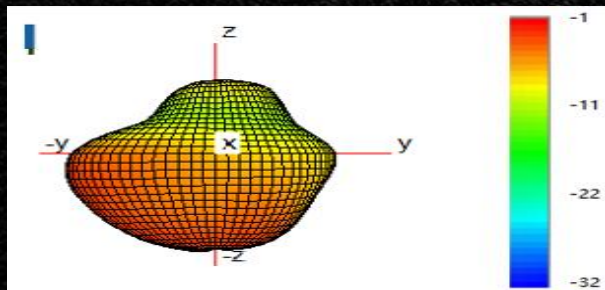
2450MHz



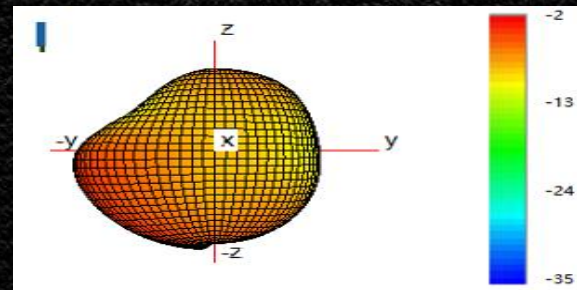
2485MHz



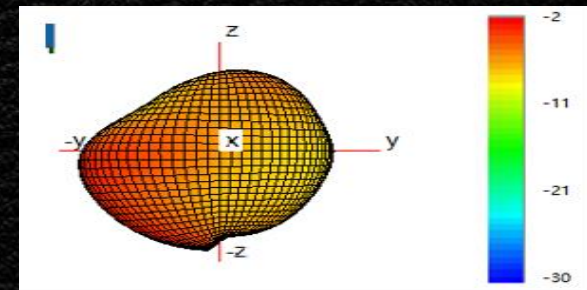
2400MHz



2450MHz



2485MHz



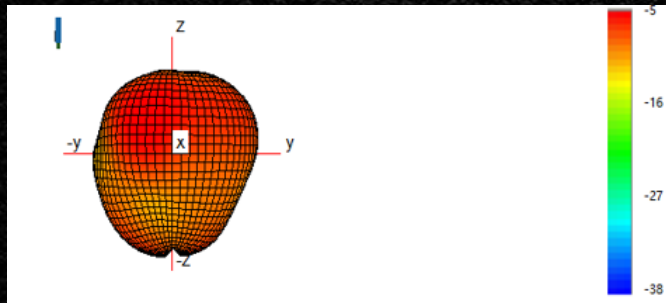
FS-Gain : -2.13dBi



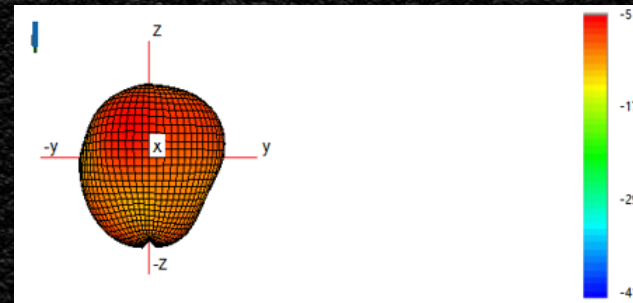
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Radiation Pattern (BH)

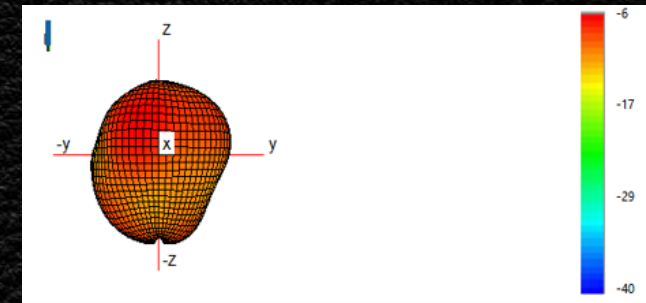
2400MHz



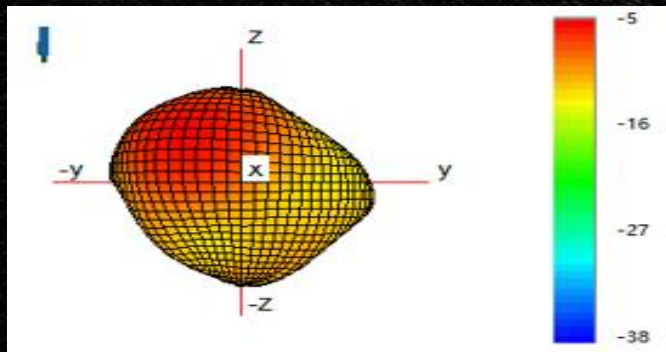
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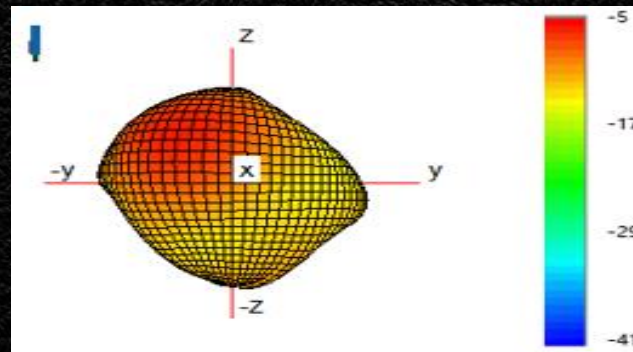
2485MHz



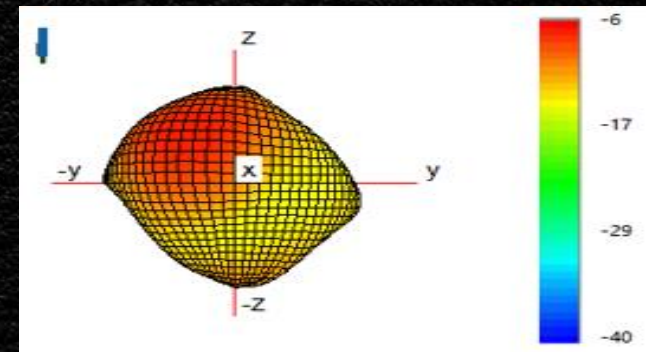
2400MHz



2450MHz



2485MHz



BH-Gain : -6.64dBi



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THANK YOU !

