

测试数据
SPECIFICATIONFORAPPRVAL

客 户 Customer	睿联
项目名称 Project Name	DBB3
客 户 料 号 Customer NO.	
规 格 specification	868-915Mhz/WIFI天线
供 方 料 号 Supplier NO.	
规 格 书 编 号 Specification NO.	
编写人 Write by	汤源
版本 REV.	Ver.01
日 期 Date	2025-11-28
备 注 Note	

客户确认 CUSTOMER APPROVED BY		
批准 Approved by	审核 Checked by	制表 Prepared by
供方确认 SUPPLIER APPROVED BY		
批准 Approved by	审核 Checked by	制表 Prepared by

版本变更记录				
变更日期	变更内容	版本	变更人	批准人

1. 调试报告项目表 (Index)

序号	内容	页码
1	承认书封面	1
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5	天线样品图片	5
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7		

2. 试验设备和条件(Test Equipment & Conditions)

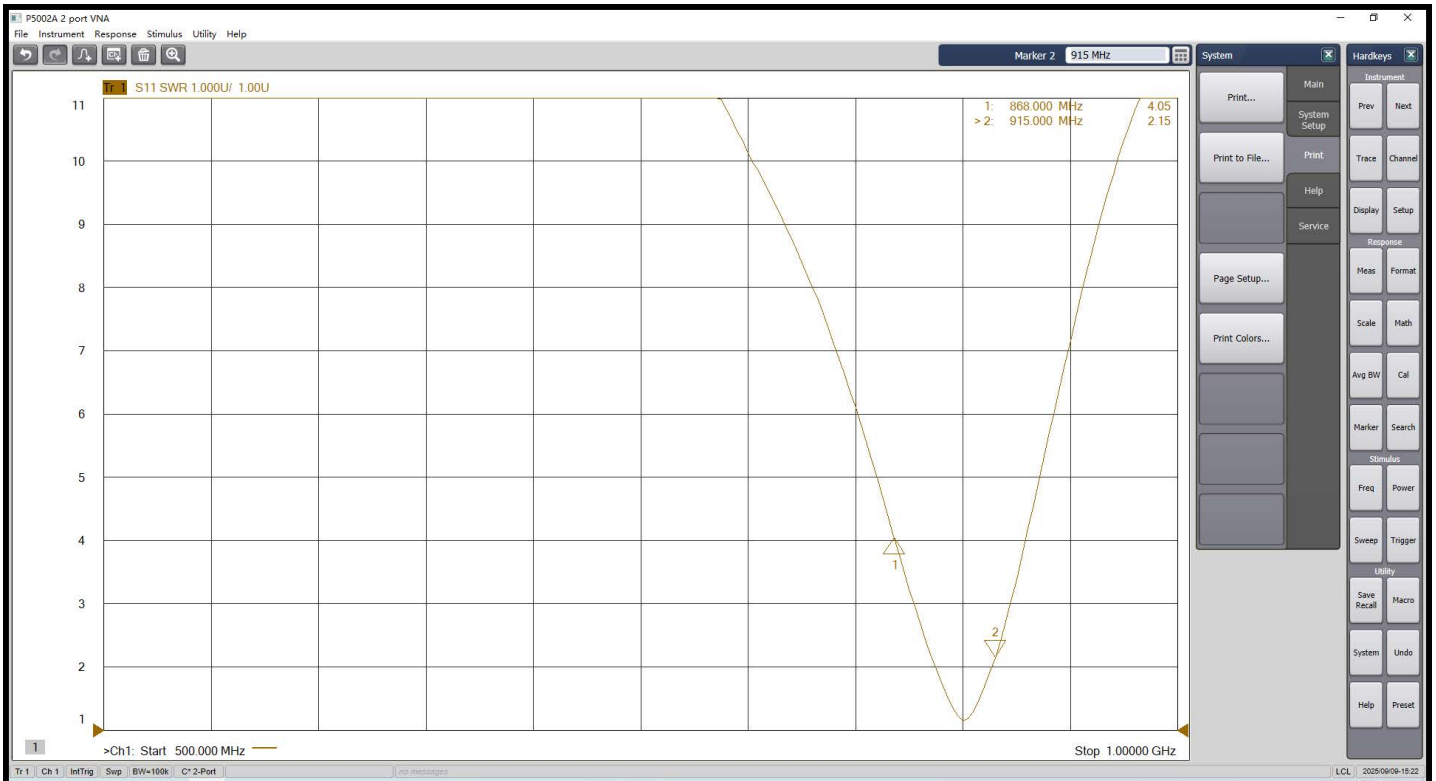
2.1. Network Analyzers : KEYSIGHT P5002A

2.2. Communications Test Set: R&S CMW 500

2.3. 3D Chamber Test System: 64探头测试系统



VSWR图

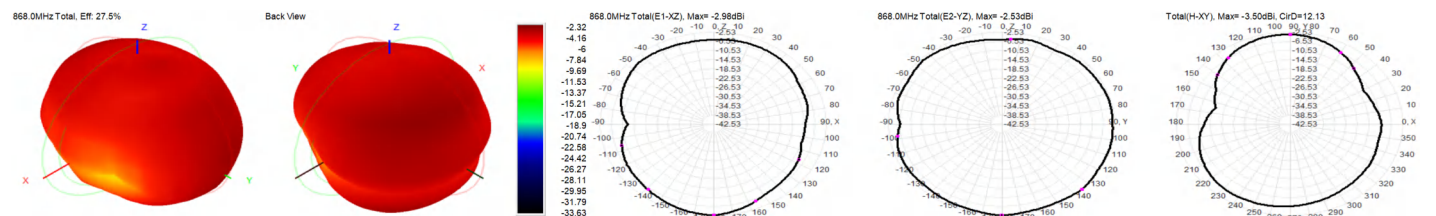


增益/效率3D图:

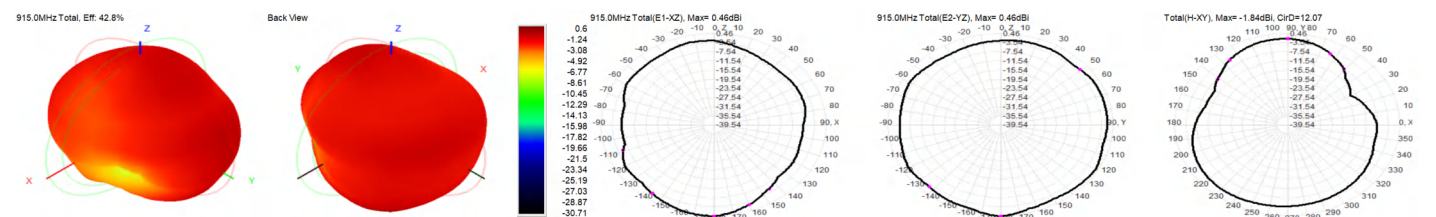


序号	1	2	4	6	8	10	11	12	13	15	17	19	21	22
频率 (MHz)	863.0	864.0	866.0	868.0	870.0	872.0	873.0	910.0	911.0	913.0	915.0	917.0	919.0	920.0
增益 (dBi)	-2.78	-2.68	-2.49	-2.32	-2.13	-1.97	-1.85	0.84	0.82	0.73	0.60	0.42	0.25	0.17
效率 (%)	23.70	24.39	25.87	27.49	29.26	31.16	32.01	46.94	46.43	44.76	42.81	40.68	38.85	38.05

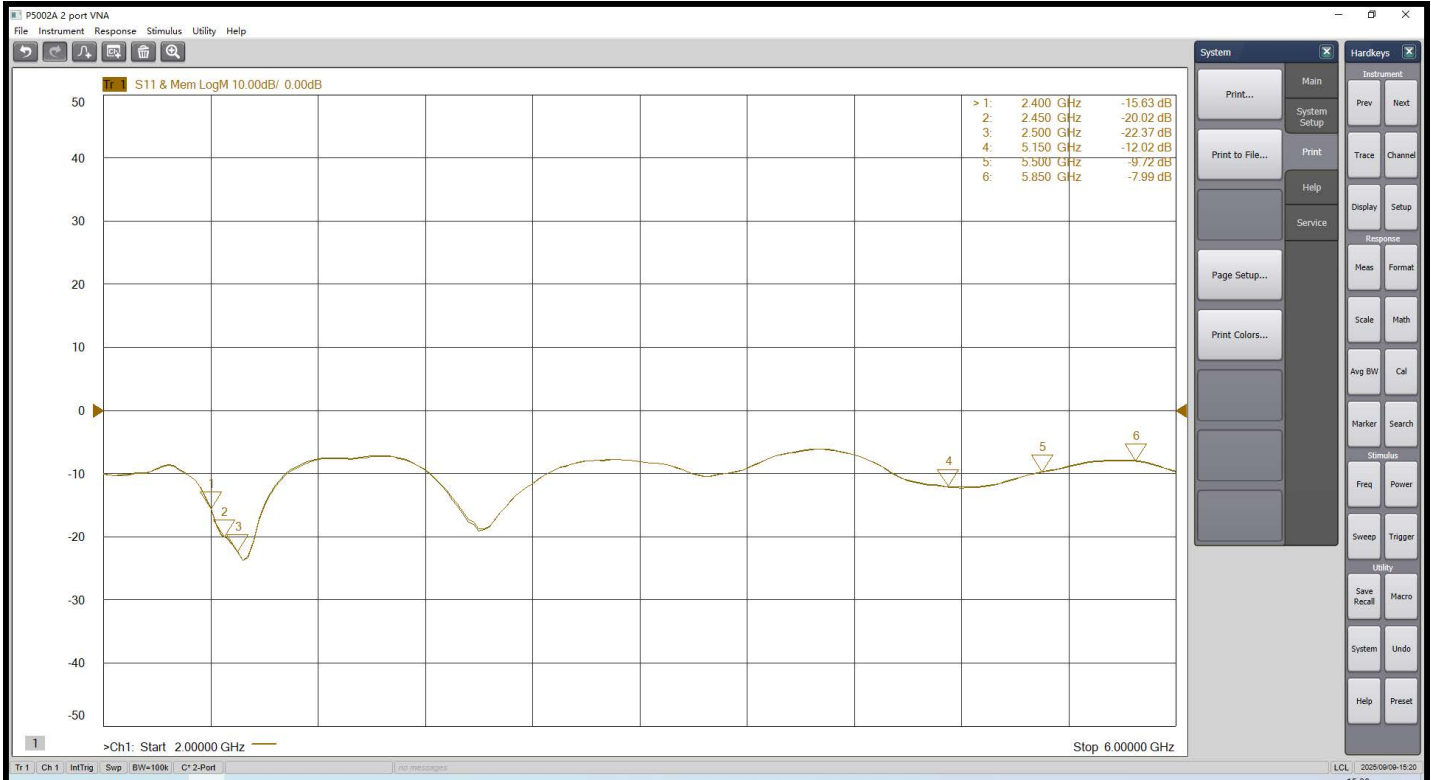
868MHZ



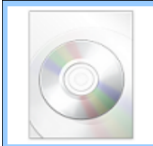
915MHZ



VSWR图



增益/效率3D图:



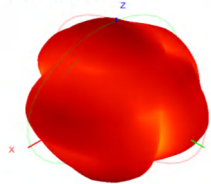
得自在科技有限公司

序号	1	2	3	4	5	6	7	8	9	10
频率(MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0
增益 (dBi)	0.45	0.64	0.74	0.98	0.81	0.74	0.76	0.88	1.08	0.81
效率 (%)	46.05	46.89	46.85	46.49	44.99	48.51	46.15	49.90	50.79	48.50

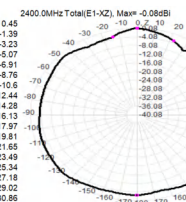
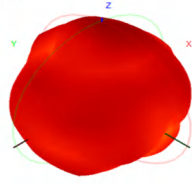
12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
5150.0	5200.0	5250.0	5300.0	5350.0	5400.0	5450.0	5500.0	5550.0	5600.0	5650.0	5700.0	5750.0	5800.0	5850.0
3.57	3.94	4.23	4.49	4.47	4.49	4.50	4.33	3.80	3.63	2.93	2.41	2.62	2.34	2.47
54.12	51.68	56.46	58.13	64.85	63.81	61.87	61.27	59.34	54.54	49.51	45.18	46.95	45.84	45.24

2.4G

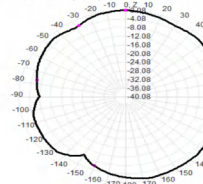
2400.0MHz Total, Eff: 46.1%



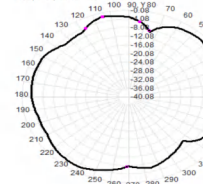
Back View



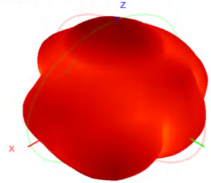
2400.0MHz Total(E2-YZ), Max=0.08dB



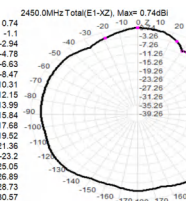
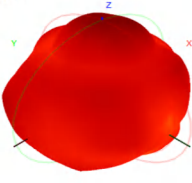
Total(H-XY), Max=-1.88dB, CirD=9.47



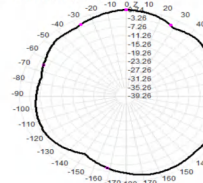
2450.0MHz Total, Eff: 48.5%



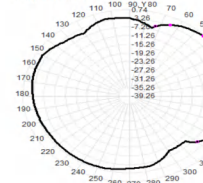
Back View



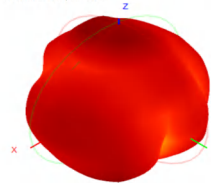
2450.0MHz Total(E2-YZ), Max=0.74dB



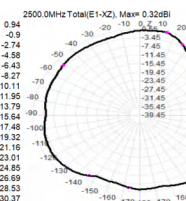
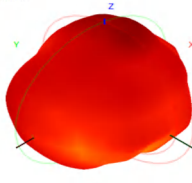
Total(H-XY), Max=0.05dB, CirD=9.86



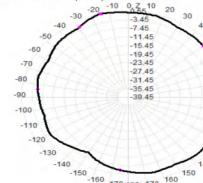
2500.0MHz Total, Eff: 48.5%



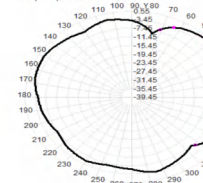
Back View



2500.0MHz Total(E2-YZ), Max=0.55dB

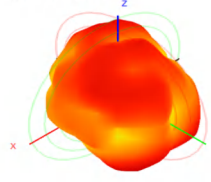


Total(H-XY), Max=-0.66dB, CirD=9.48

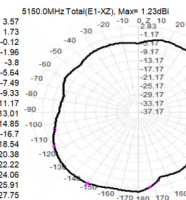
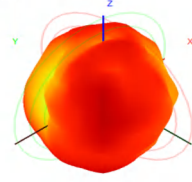


5.8G

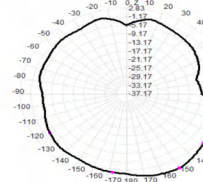
5150.0MHz Total, Eff: 54.1%



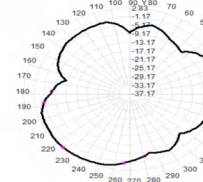
Back View



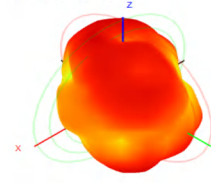
5150.0MHz Total(E2-YZ), Max=2.83dB



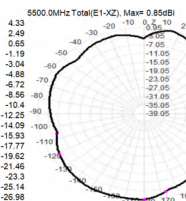
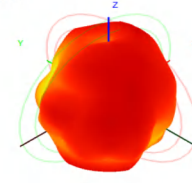
Total(H-XY), Max=-1.84dB, CirD=10.86



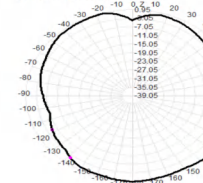
5500.0MHz Total, Eff: 61.3%



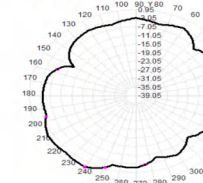
Back View



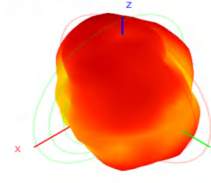
5500.0MHz Total(E2-YZ), Max=0.95dB



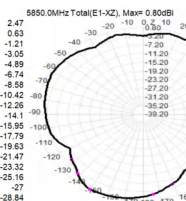
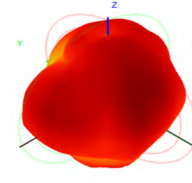
Total(H-XY), Max=-0.94dB, CirD=11.30



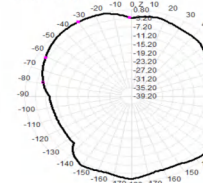
5850.0MHz Total, Eff: 45.2%



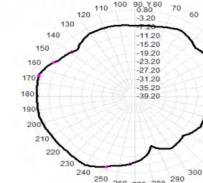
Back View



5850.0MHz Total(E2-YZ), Max=0.45dB



Total(H-XY), Max=-2.06dB, CirD=13.28



有源数据

11B/11M	11G/6M	11N/MCS0	11A/6M	11AN/MCS0
10.74	10.08	9.49	9.02	8.13
10.12	10.58	9.38	11.52	10.68
9.54	9.82	8.67	12.36	11.43
-88.05	-85.96	-87.08	-90.34	-90.45
-87.19	-88.82	-87.83	-90.34	-90.18
-85.57	-87.54	-86.31	-89.96	-91.29