

深圳市维力谷无线技术股份有限公司

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❖ 天线测试报告

Antenna Test Report

2026年3月6日

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一、项目简介及天线调试频段

Project Overview and Antenna Calibration Frequency Band

客户名称 customer name	伏荣 Fu Rong	项目名称 project name	P3S	版本 versions	0.1
天线频段 Antenna frequency band	2400-2500MHZ				
天线类型 Antenna type	板载 onboard				

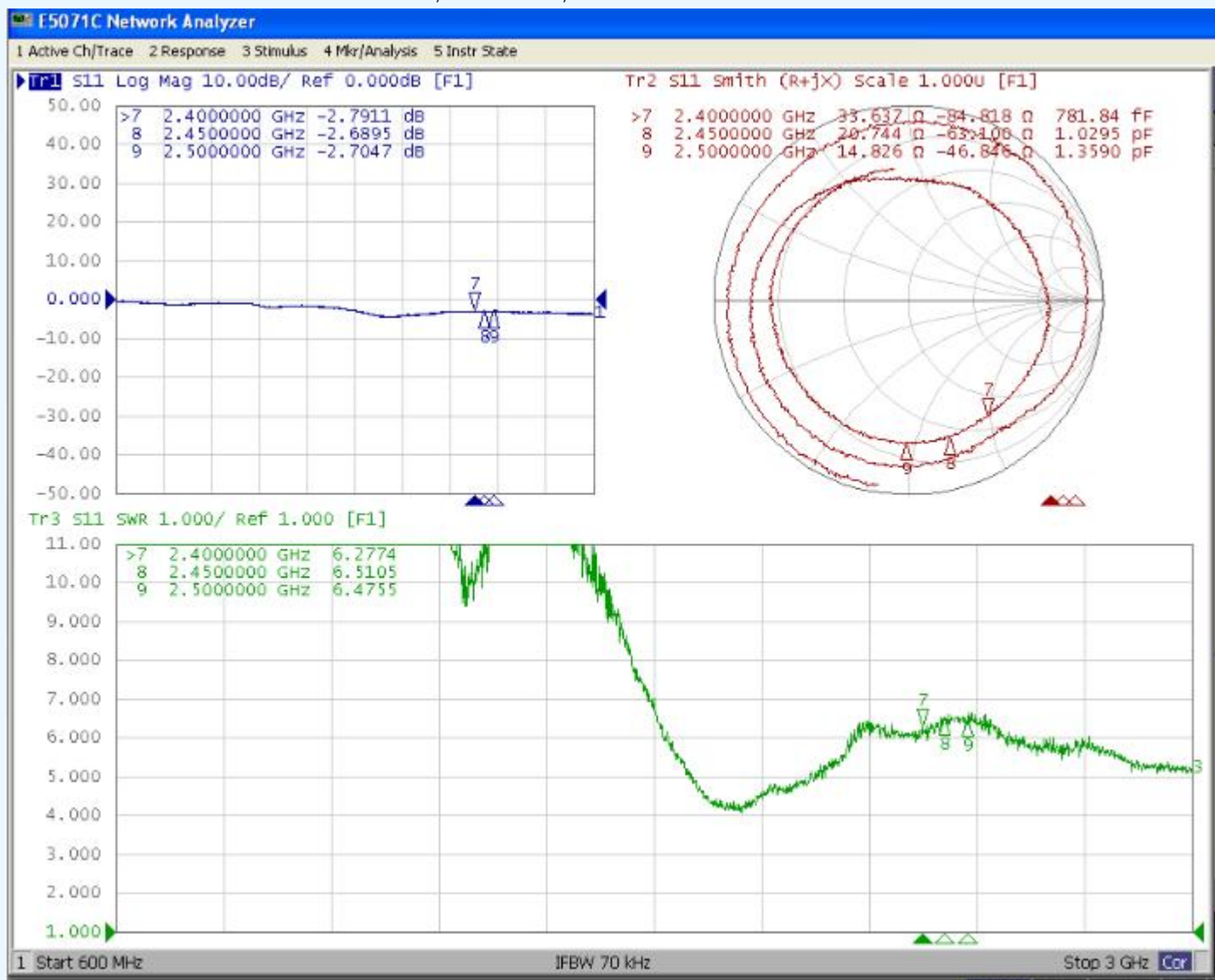
二、项目天线图

Antenna diagram

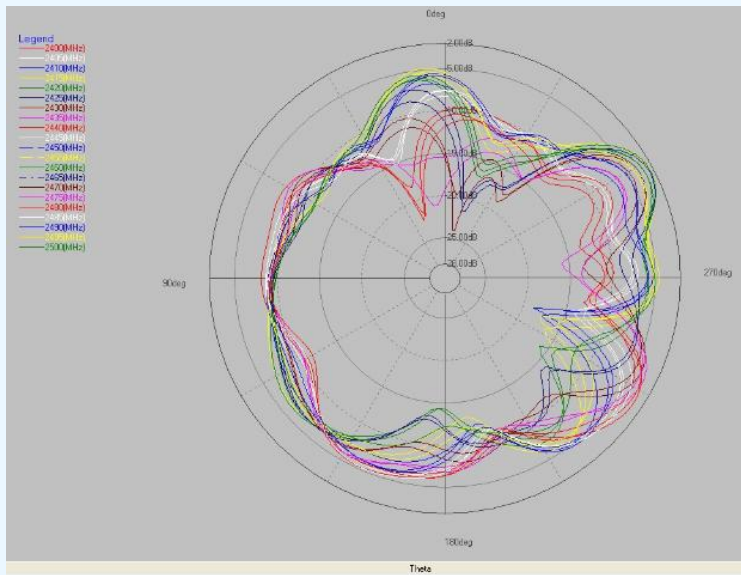


三、驻波/史密斯/天线回损

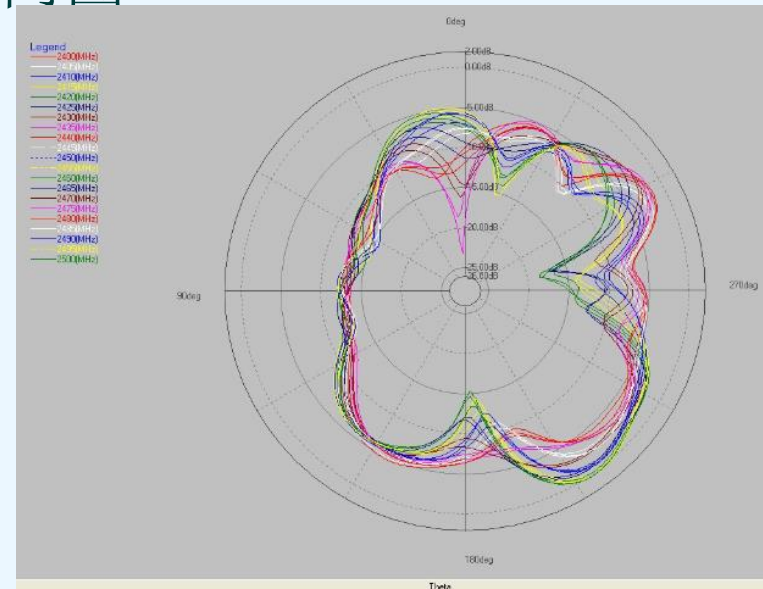
Passive S11 / Smith / Antenna Return Loss



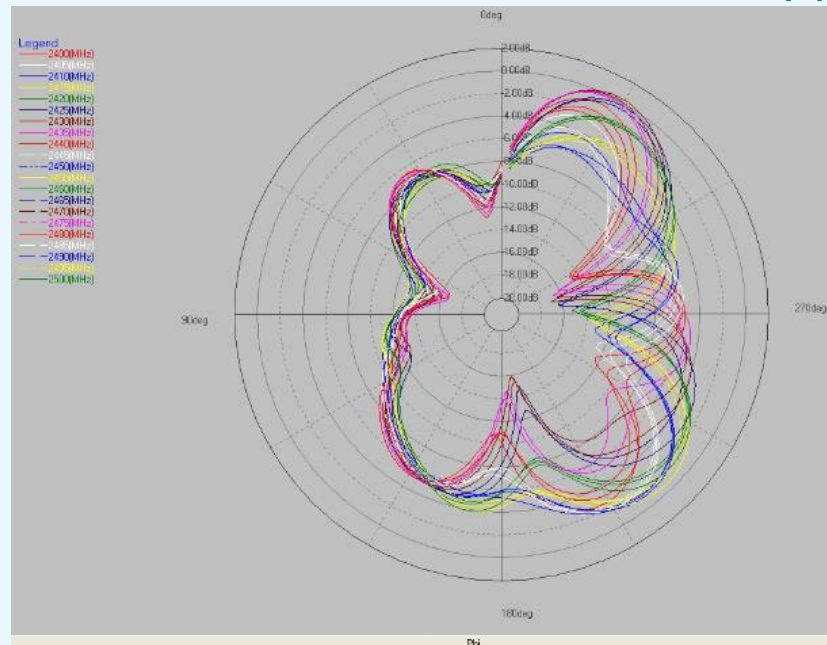
四、天线2400-2500MHz天线方向图 Antenna 2400-2500 MHz antenna pattern



Phi=0



Phi=90



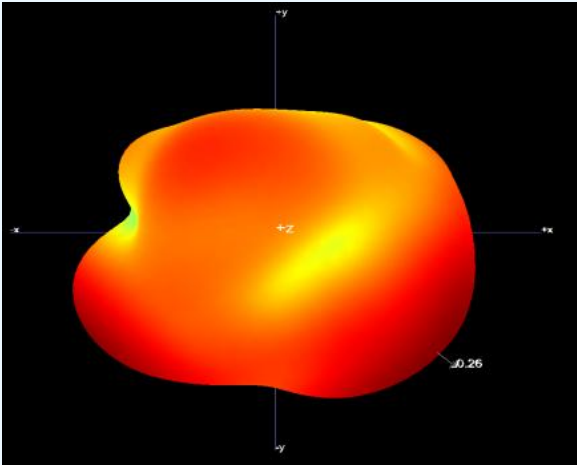
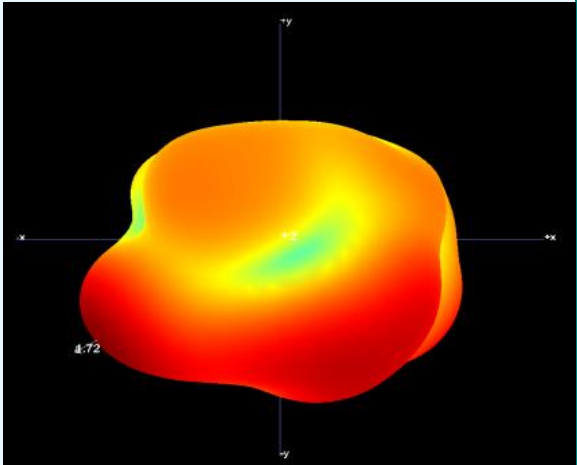
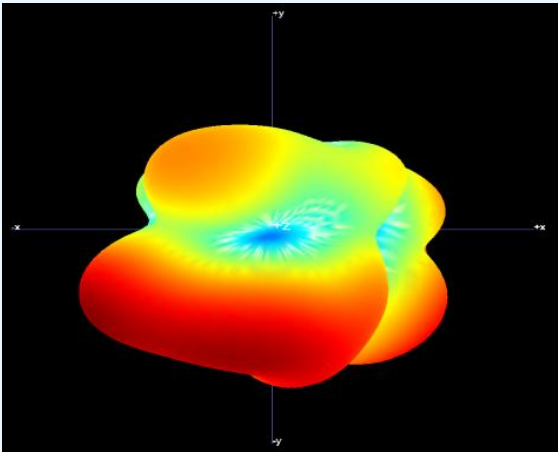
Theta=90

五、天线效率 antenna effeciency

Frequency (MHZ)	Efficiency (%)	Efficiency . dB	Peak_Gain . dBi
2400	24.89%	-6.04	0.26
2405	24.33%	-6.14	0.66
2410	25.29%	-5.97	0.99
2415	28.05%	-5.52	1.57
2420	27.13%	-5.66	0.93
2425	25.11%	-6.00	0.28
2430	24.92%	-6.04	1.25
2435	24.79%	-6.06	1.22
2440	23.07%	-6.37	-0.18
2445	24.71%	-6.07	1.06
2450	26.94%	-5.70	1.72
2455	26.66%	-5.74	1.20
2460	26.61%	-5.75	0.72
2465	27.11%	-5.67	0.53
2470	25.74%	-5.89	0.89
2475	24.38%	-6.13	0.74
2480	25.53%	-5.93	0.29
2485	25.89%	-5.87	1.34
2490	26.65%	-5.74	1.93
2495	28.79%	-5.41	1.86
2500	27.62%	-5.59	0.78

六、无源苹果场型图

Passive Apple Field Diagram

参考频点	2450	2450	2500
			

七、 匹配电路图：

Matching circuit diagram

客户原匹配，未改动

Thanks for your valuable comment!