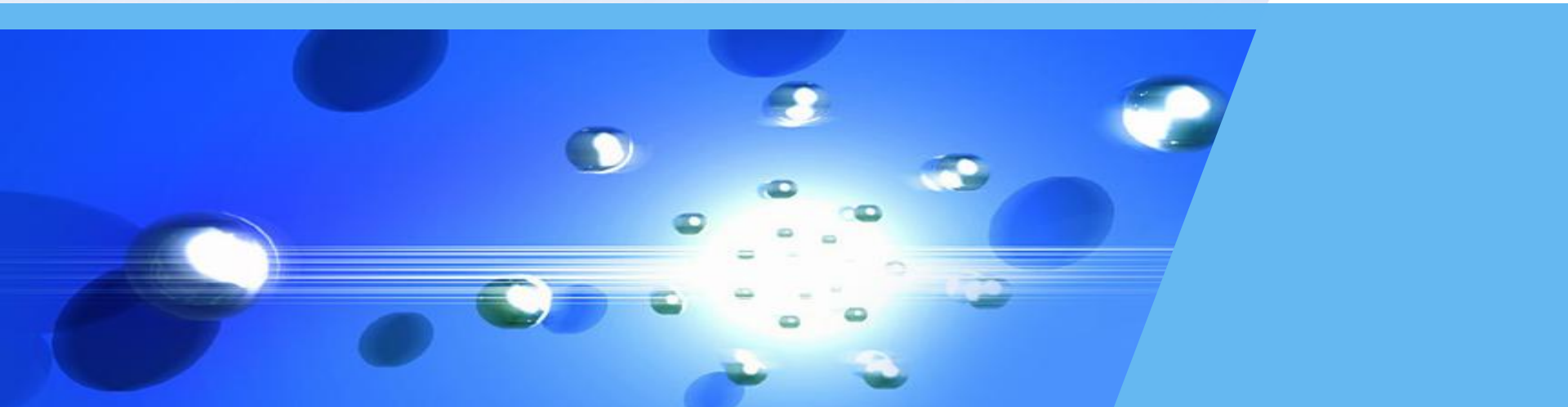


专业的**RF**研发机构



深圳市德威玛通讯设备有限公司

天线测试报告

项目信息

1

客户:乐福

2

项目:CF613

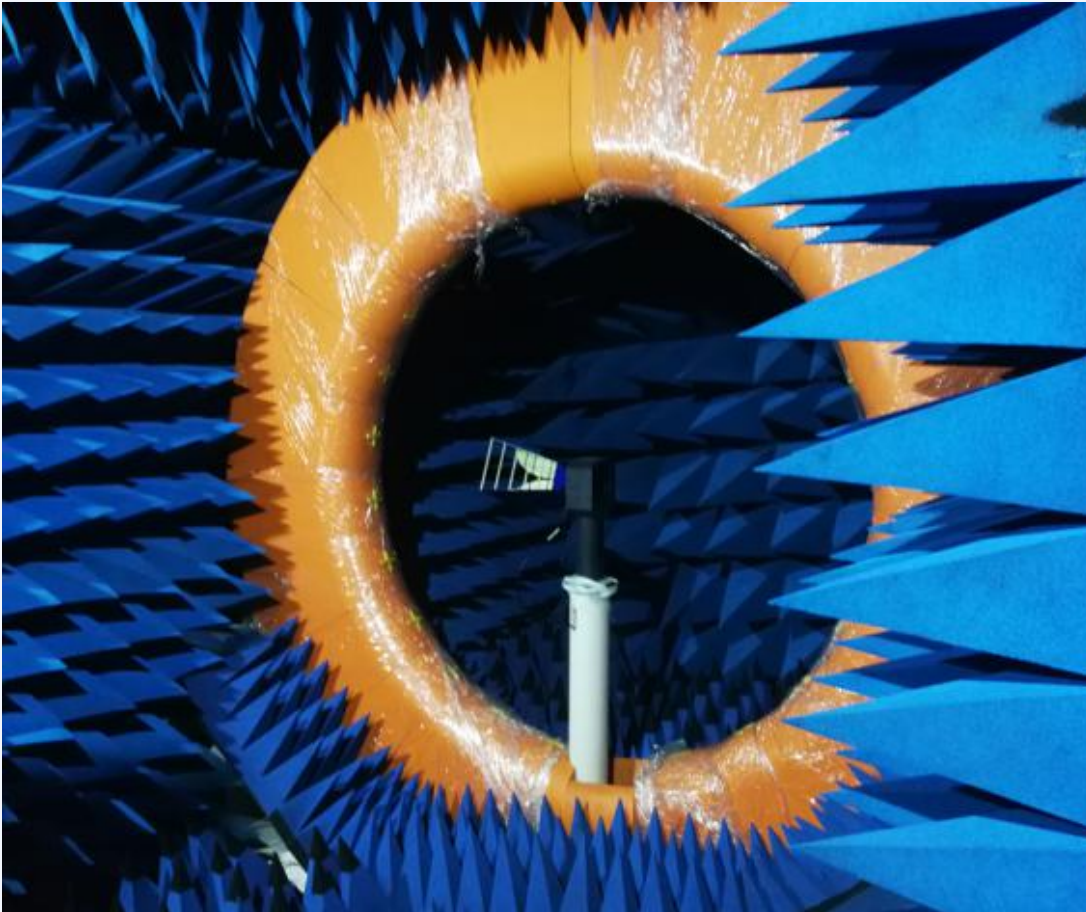
3

频段: BT(2.4GHz~2.5GHz)

4

备注:

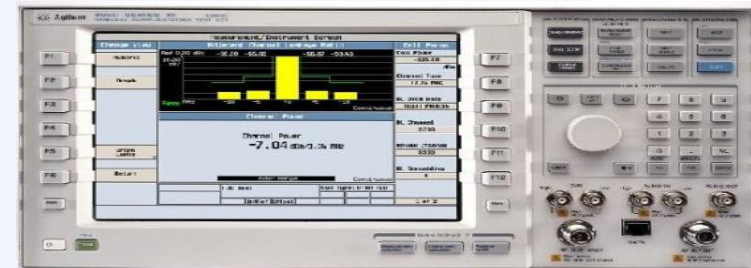
测试仪器设备



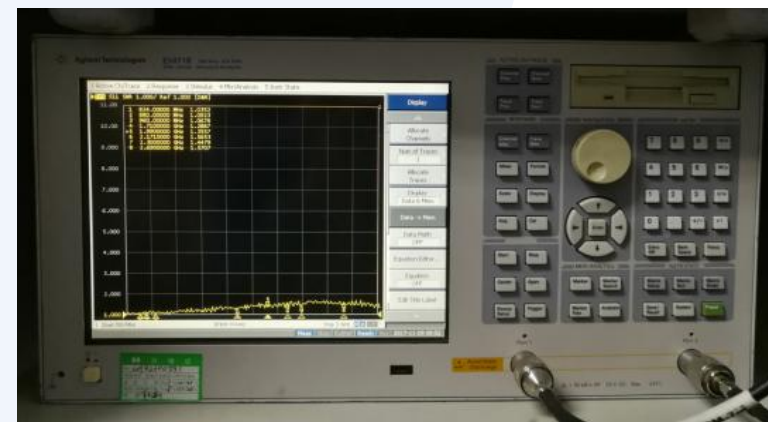
A 24-probe microwave chamber



R&S CMW500



Agilent E5515C

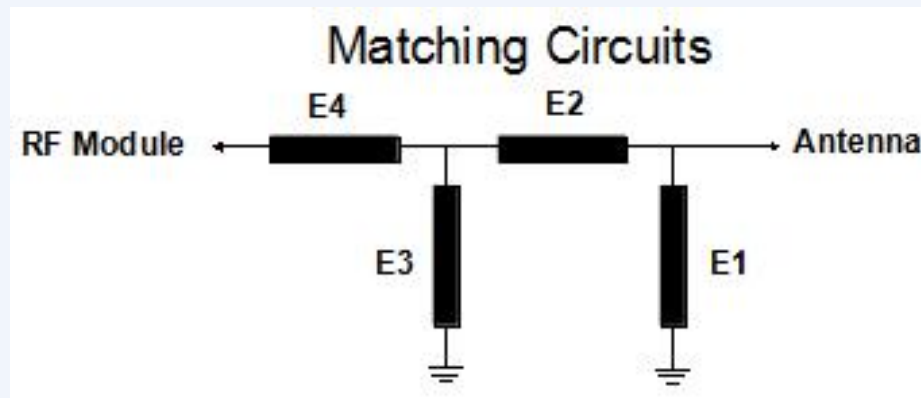
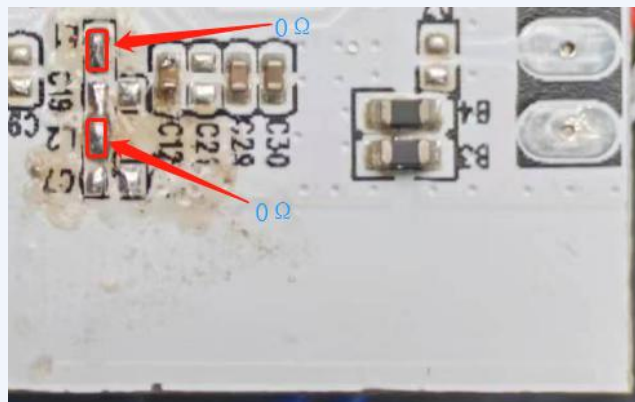


Agilent Technologies E5071B

天线项目设计调试说明

工作频段	BT:2400~2500MHz	测试工程师		版本	DWM-V1.0
整机外观图		天线备注说明			
		1.BT天线形式:IFA天线 2.BT天线匹配电路: 有更改。			
		天线环境处理			
		按天线原有状态测试, 未增加其他辅料			

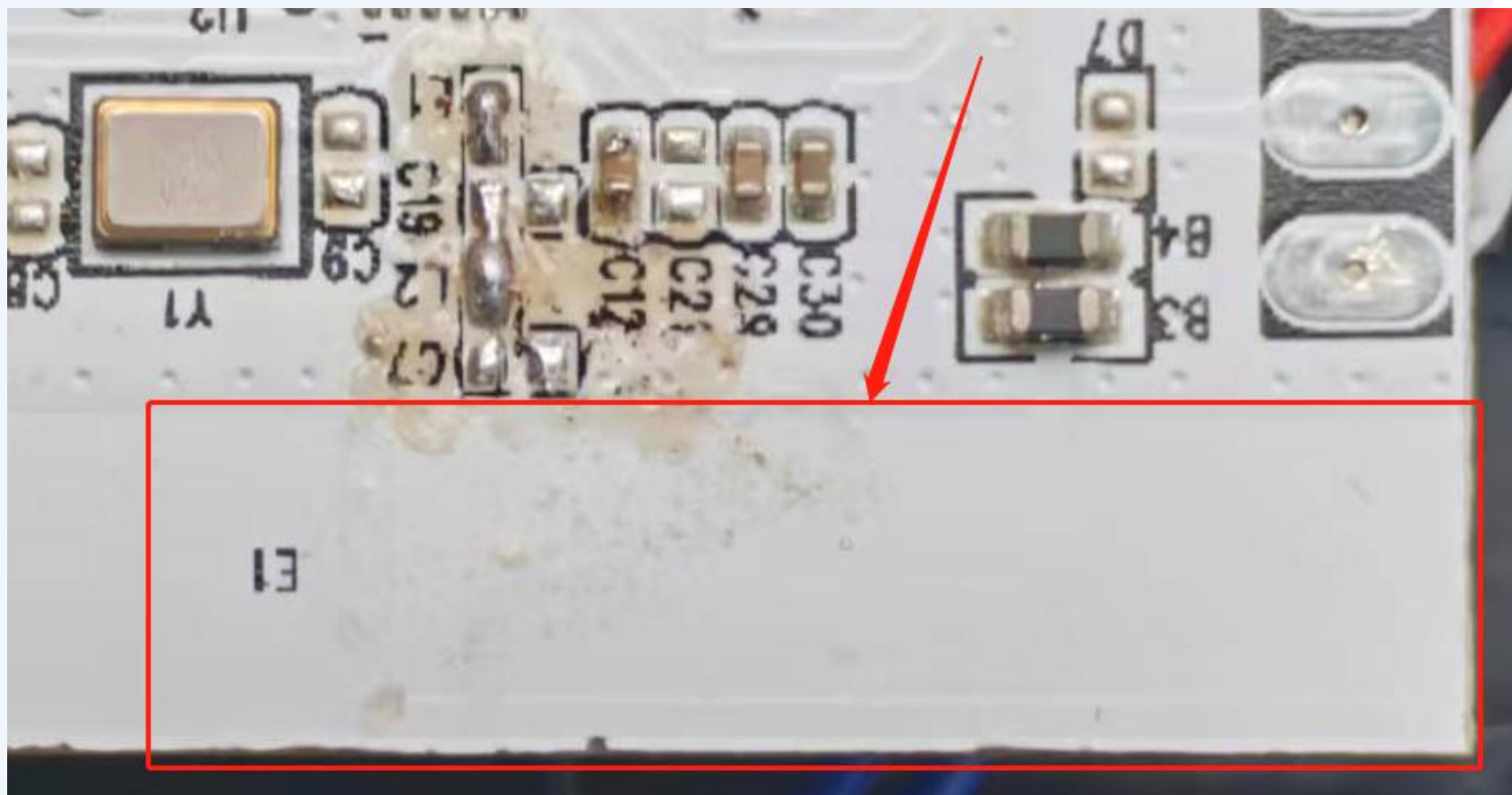
BT天线匹配电路说明



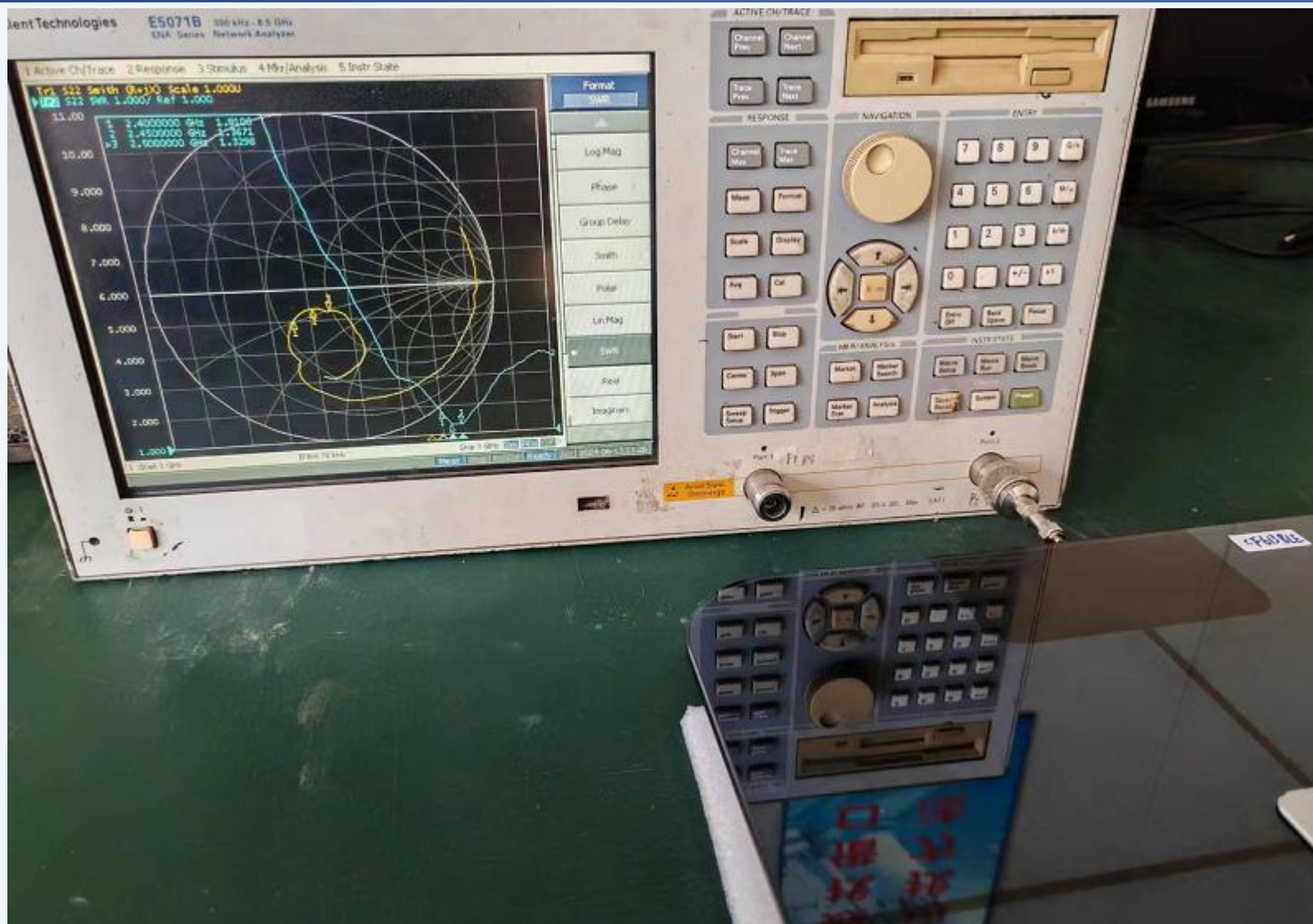
Element	Value	Vender
E1(0201)	NC	
E2(0201)	0Ω	
E3(0201)	NC	
E4(0201)	0Ω	

BT天线匹配电路有做变更

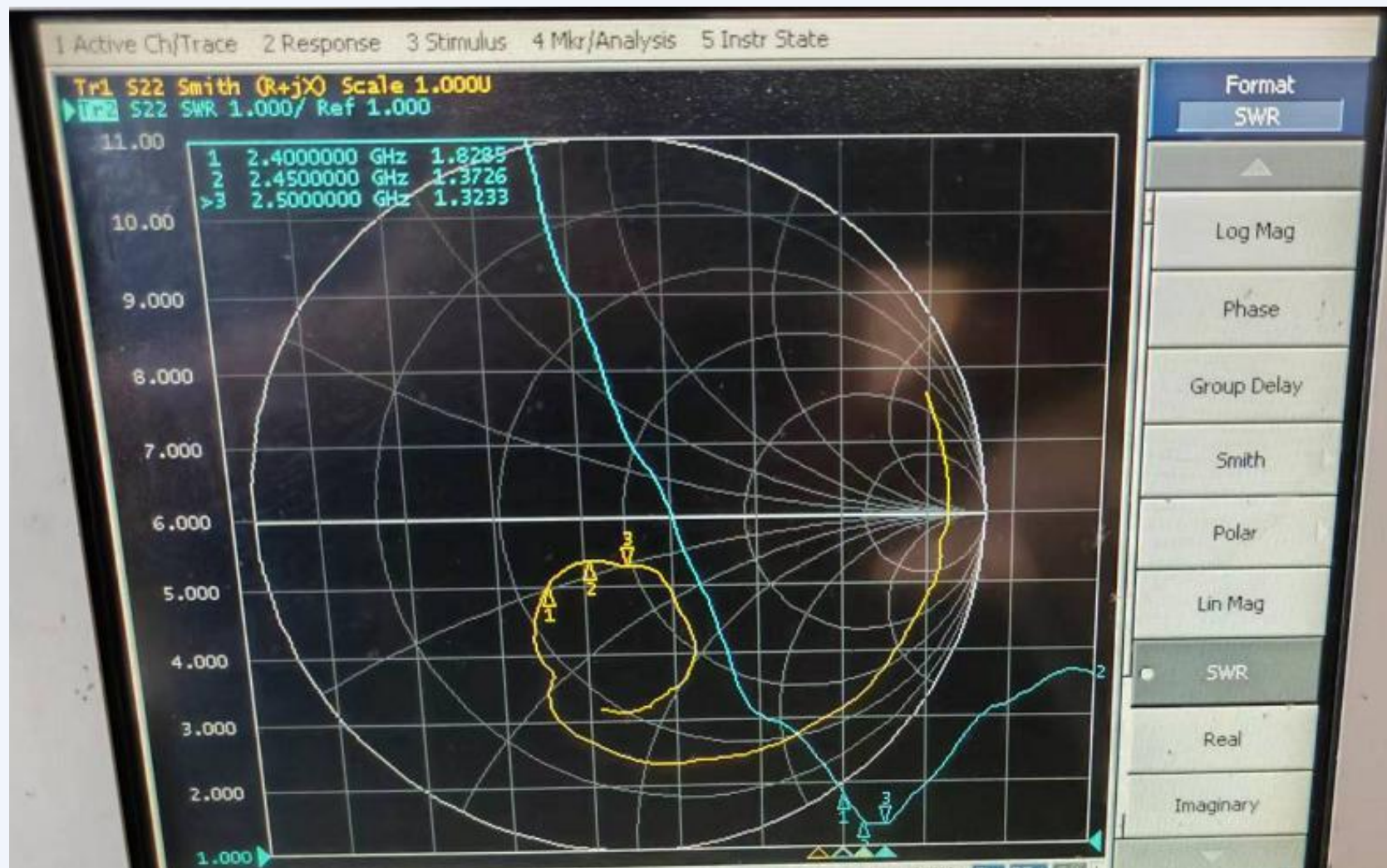
BT天线(板载)位置



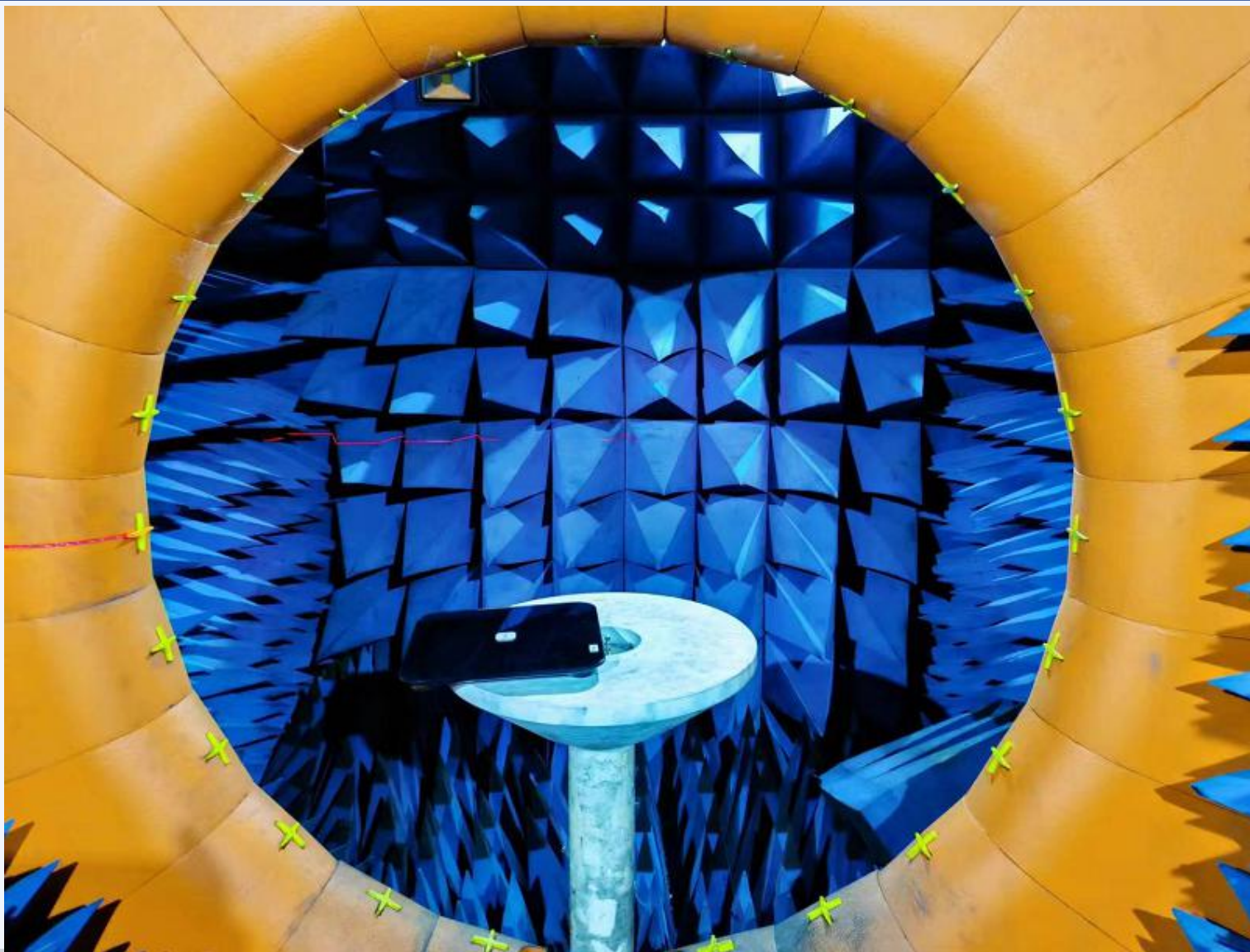
BT天线无源（电路传输参数）测试状态截图



BT天线电路传输参数（SWR+Smith）截图



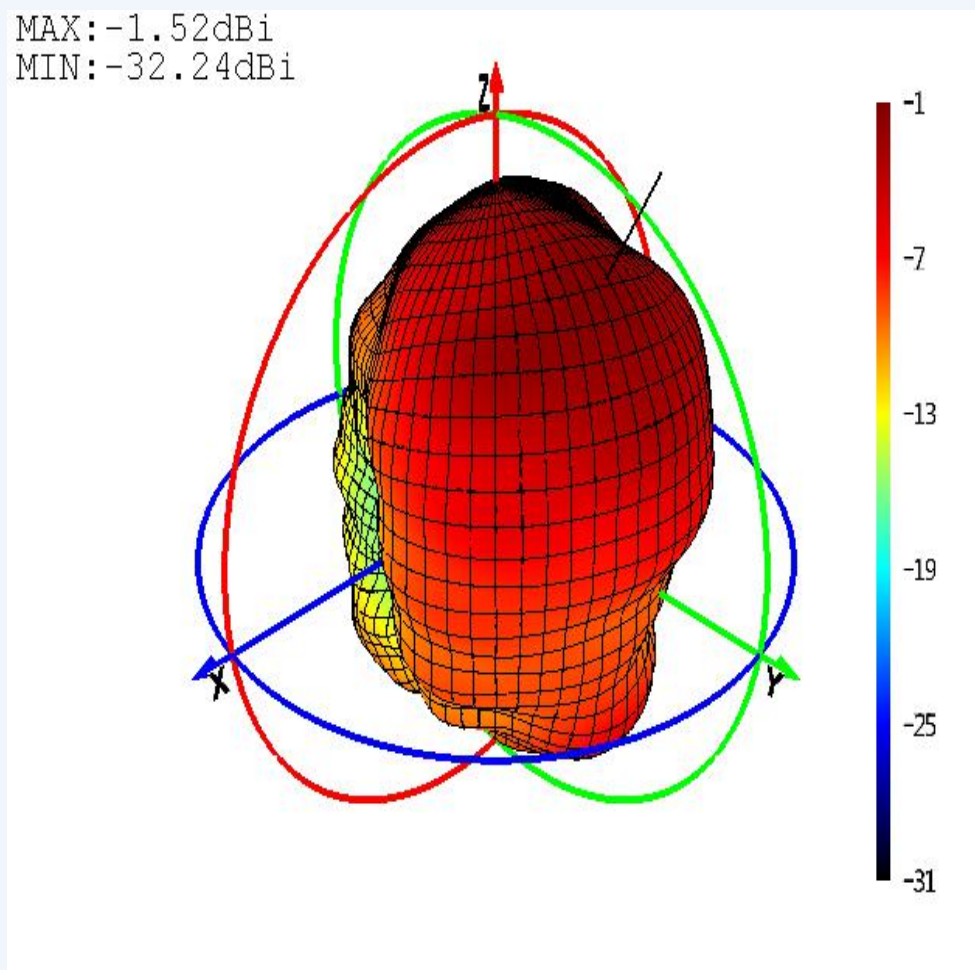
BT天线无源OTA测试状态截图



BT天线增益和效率

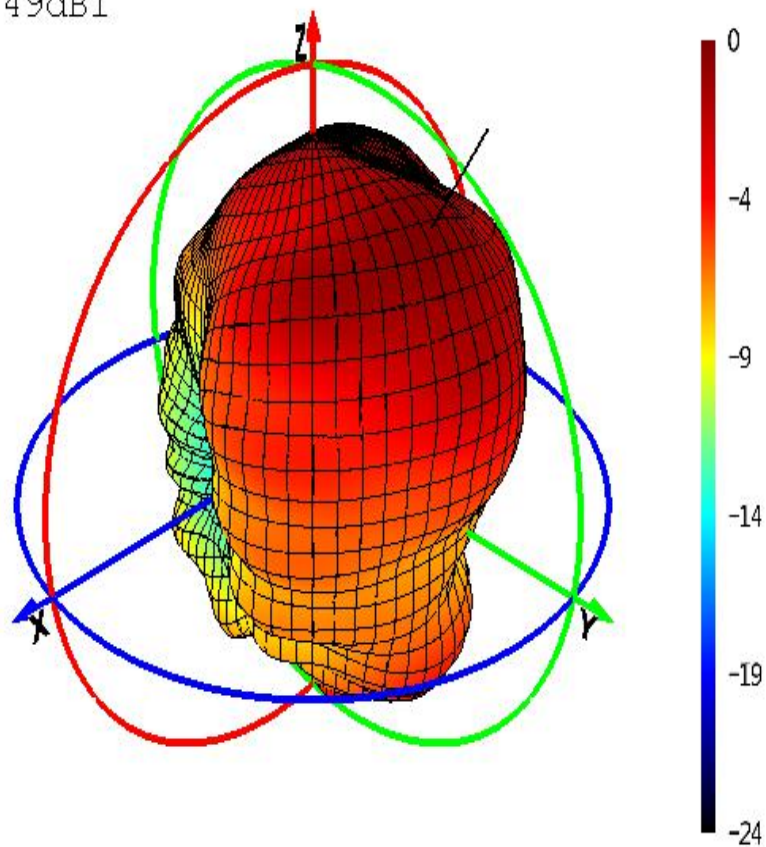
Gain&Efficiency&PhaseCenter 增益、效率和相位中心				
Frequency 频率(MHz)	Gain 增益(dBi)	MinGain 最小增益	Efficiency 效率(dB)	Efficiency 效率(%)
2400.00	-1.52	-32.24	-6.66	21.56
2410.00	-1.23	-30.59	-6.65	21.65
2420.00	-0.90	-29.58	-6.62	21.76
2430.00	-0.50	-28.17	-7.38	18.28
2440.00	-0.72	-26.92	-6.38	23.00
2450.00	-0.53	-25.49	-6.29	23.51
2460.00	-0.75	-24.49	-5.30	29.52
2470.00	-0.67	-24.03	-4.91	32.26
2480.00	-0.85	-25.03	-4.77	33.37
2490.00	-0.93	-27.06	-4.96	31.88
2500.00	-1.13	-28.25	-5.78	26.44

BT天线方向图 (2400MHz)



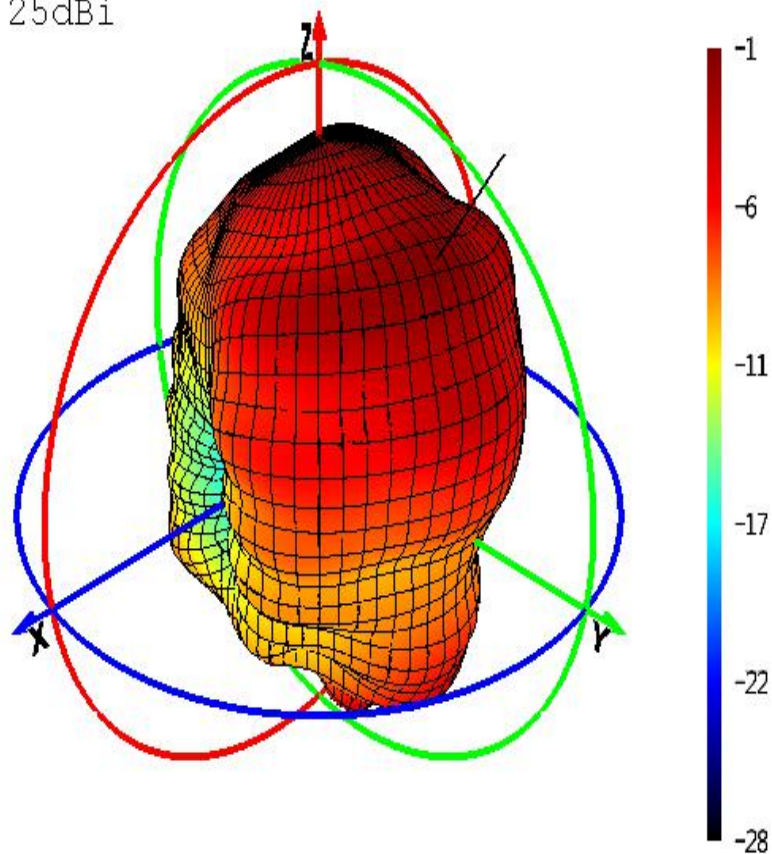
BT天线方向图 (2450MHz)

MAX: -0.53dBi
MIN: -25.49dBi

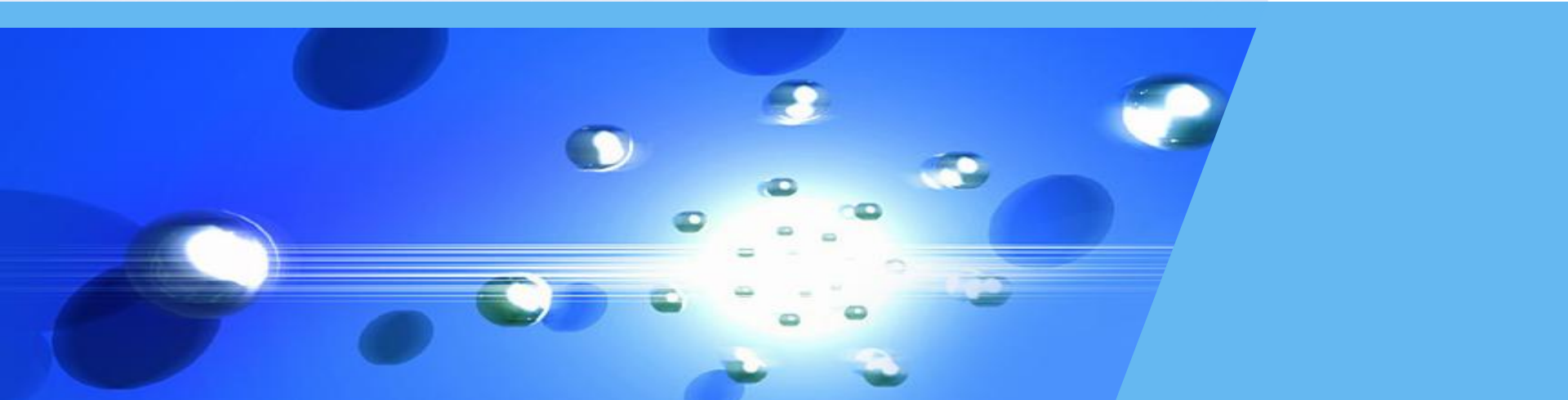


BT天线方向图 (2500MHz)

MAX:-1.13dBi
MIN:-28.25dBi



專業的**RF**研發機構



Thank You !

公司地址：深圳市宝安**23**区创业二路友谊大厦**1**栋**3**楼（地铁洪浪北**B**出口平安银行后面）