

深圳旭航通讯科技有限公司

Shenzhen Xuhang Communication
Technology Co., Ltd

规格承认书

客户 CUSTOMER	
客户料号 CUSTOMER NO.	3W
供方品名 PART NAME	2.4G/5G 天线
规格名称 SUPPLIER NO.	XH260043

客户确认 CUSTOMER APPROVED BY		
检验 APPROVAL	审核 CHIEF	批准 SUPERVISOR

设计 DESIGN	审核 CHECK	批准 APPROVAL
Luo	Robert	SHANG

Date: April 29, 2026

DIRECTORY

[illegible]

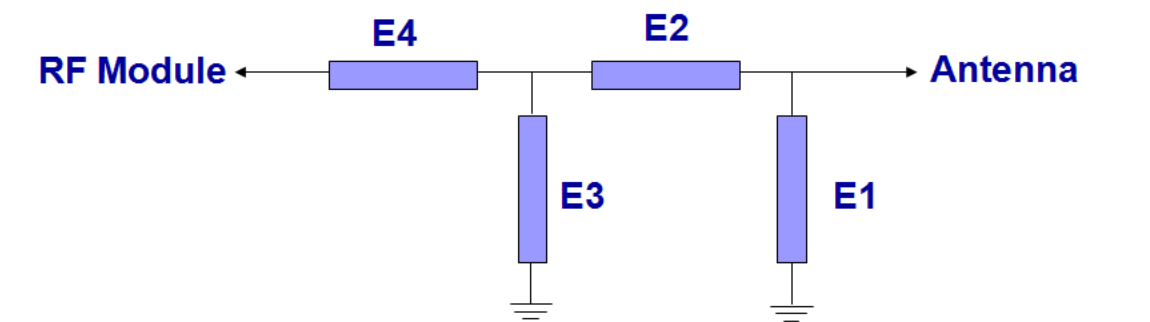
电性测试报告

TEST REPORTS

频率 Frequency	2.4G(2400~2500MHz; 5150~5850MHz)
阻抗 Impedance	50 Ohm Nominal
驻波比 V.S.W.R	≤2.0
回波损耗 Return Loss	-10dB Max
辐射 Radiation	Omni-directional
增益 Gain(Peak)	2.4G:4.38dBi 5G: 3.85dBi
极化方式 Polarization	Linear,Vertical
功率 Admitted Power	1W
连接器 Connector	I-PEX1
Physical Properties	
天线材质 Antenna Material	FPC
线材类型 Cable Type	O.D.1.13mm
工作温度 Operating Temp.	-10-+60℃
存储温度 Storage Temp.	-10-+70℃
线材颜色 Cable Color	Black

匹配电路

Matching Circuits



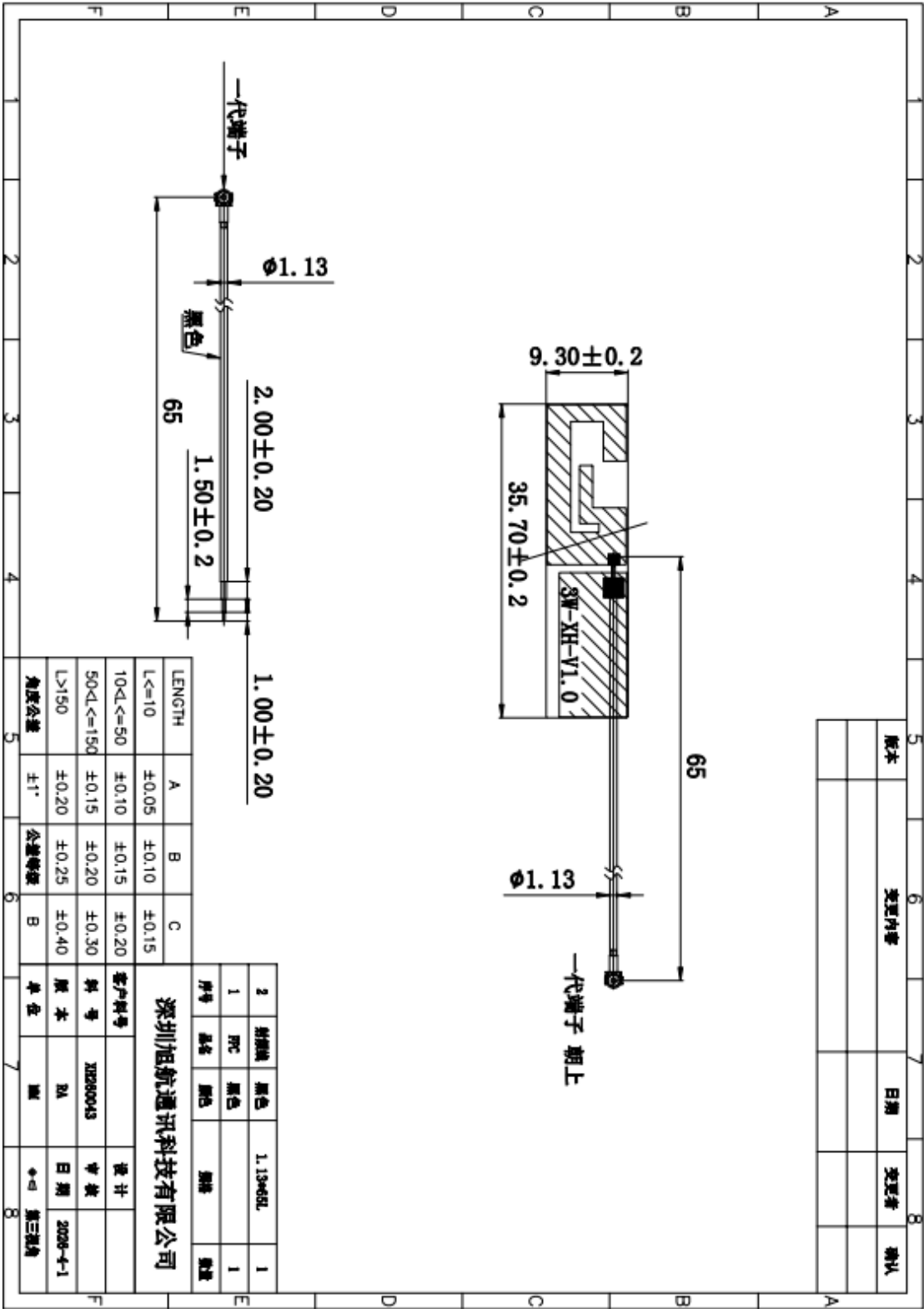
匹配电路

Element	Value	Vender
E1(0402)		
E2(0402)	0Ω	
E3(0402)		
E4(0402)	0Ω	

原匹配电路无修改

The original matching circuit has not been modified

工程图
DRAWING



测试数据

Test Data

Application Information					
04Version		5.271.371			
TotalTime		6m 49s 231ms			
AdditionalInfor		802.11b : 11Mbps 20M			
Test	Wifi 2G TRP			Test	Wifi 2G TIS
Result	1	6	11	Result	11
Frequency (MHz)	2412	2437	2462	Frequency (MHz)	2462
Txp Ave(dBm)	16.26	16.88	17.29	Sens Ave(dBm)	-80.49

Application Information					
04Version		5.271.371			
TotalTime		6m 29s 278ms			
AdditionalInfor		802.11g : 54Mbps 20M			
Test	Wifi 2G TRP			Test	Wifi 2G TIS
Result	1	6	11	Result	11
Frequency (MHz)	2412	2437	2462	Frequency (MHz)	2462
Txp Ave(dBm)	15.9	15.83	16.81	Sens Ave(dBm)	-69.02

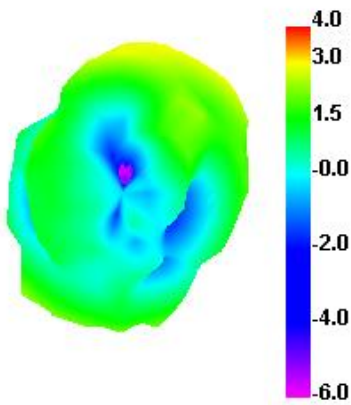
Application Information					
04Version		5.271.371			
TotalTime		6m 22s 960ms			
AdditionalInfor		802.11n : MCS7 20M			
Test	Wifi 2G TRP			Test	Wifi 2G TIS
Result	1	6	11	Result	11
Frequency (MHz)	2412	2437	2462	Frequency (MHz)	2462
Txp Ave(dBm)	14.45	15.44	15.78	Sens Ave(dBm)	-65.96

Application Information					
04Version		5.271.371			
TotalTime		6m 53s 984ms			
AdditionalInfor		802.11a : 54Mbps 20M			
Test	Wifi 5G TRP			Test	Wifi 5G TIS
Result	36	116	161	Result	161
Frequency (MHz)	5180	5580	5805	Frequency (MHz)	5805
Txp Ave(dBm)	14.68	16.29	15.17	Sens Ave(dBm)	-76.83

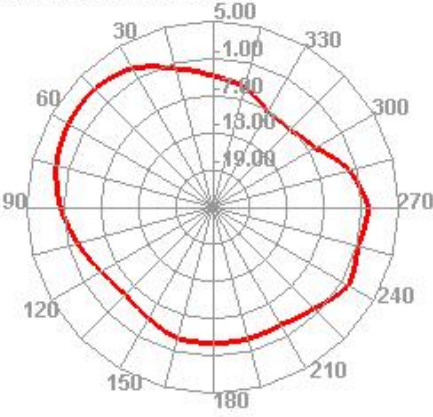
无源测试数据

Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
2400	-58.79	3.97	5150	56.64	3.35
2410	-52.26	3.6	5550	61.42	3.84
2420	-54.78	3.72	5850	59.42	3.85
2430	-48.62	3.25			
2440	-53.16	3.63			
2450	-57.04	3.88			
2460	-60.67	4.11			
2470	-62.43	4.21			
2480	-57.45	3.9			
2490	-64.32	4.38			
2500	-54.39	3.79			

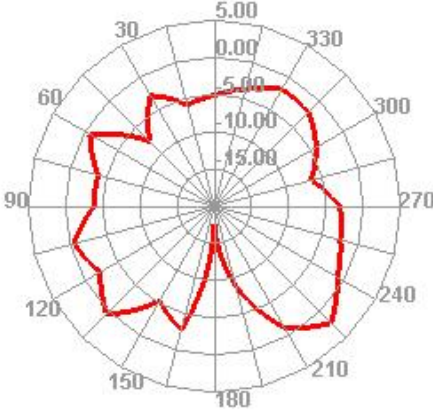
2400.000MHz



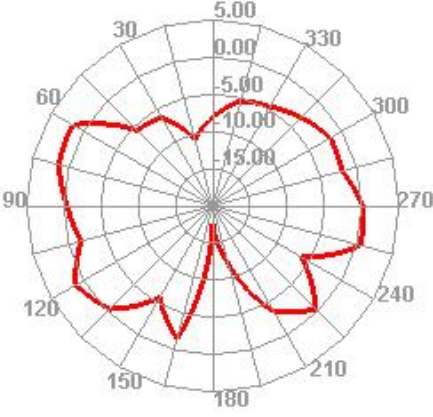
2400.000MHz H



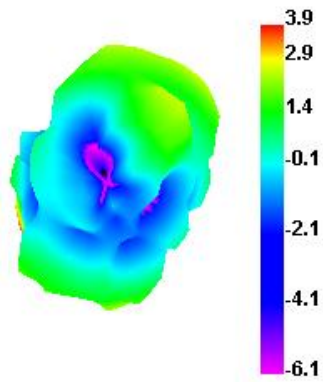
2400.000MHz E1



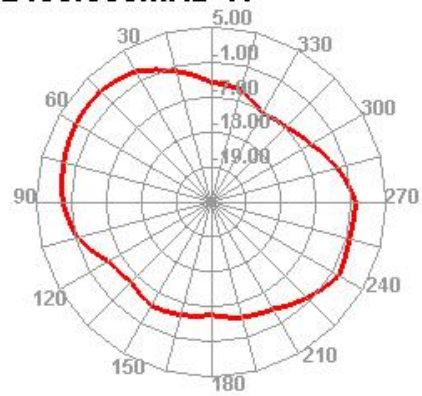
2400.000MHz E2



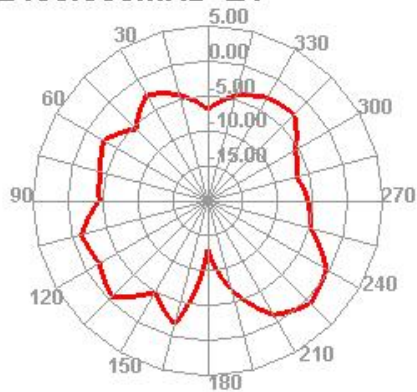
2450.000MHz



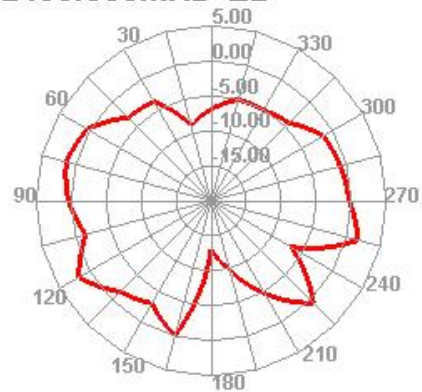
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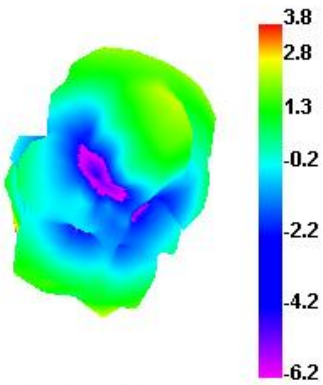
2450.000MHz E1



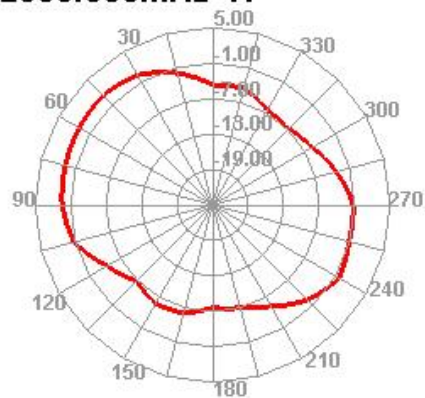
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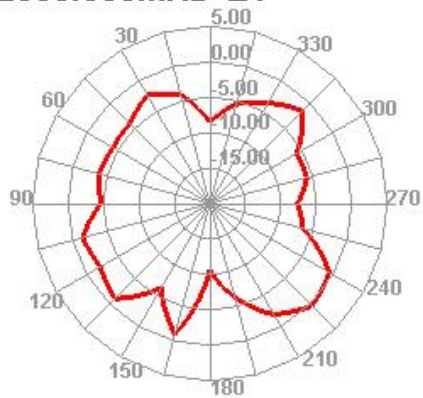
2500.000MHz



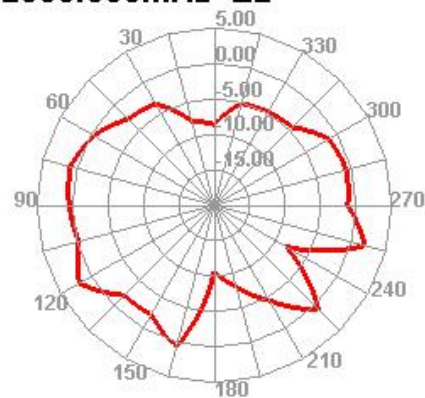
2500.000MHz H



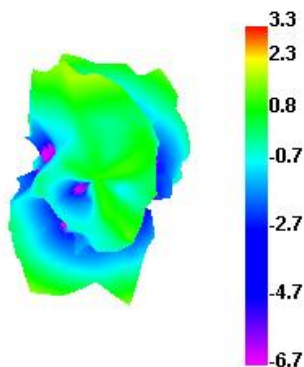
2500.000MHz E1



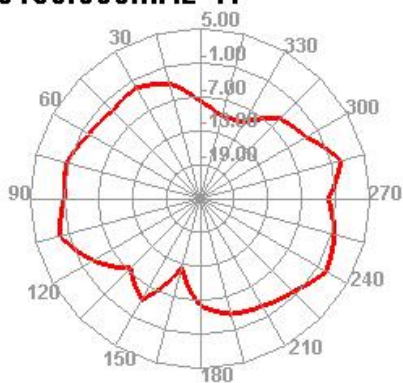
2500.000MHz E2



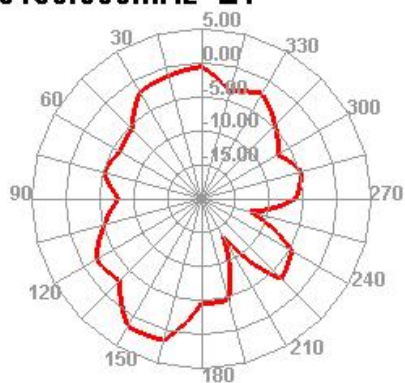
5150.000MHz



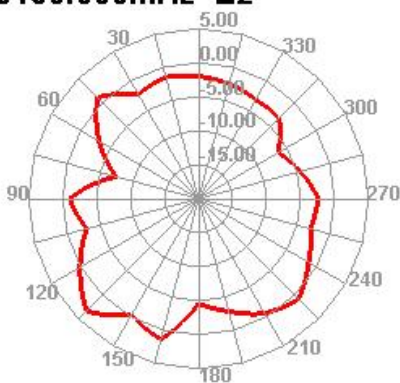
5150.000MHz H



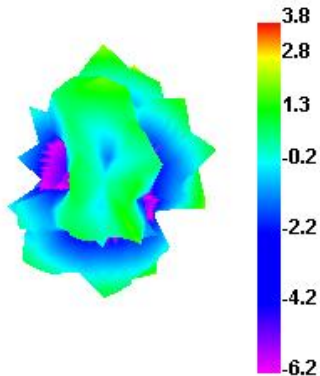
5150.000MHz E1



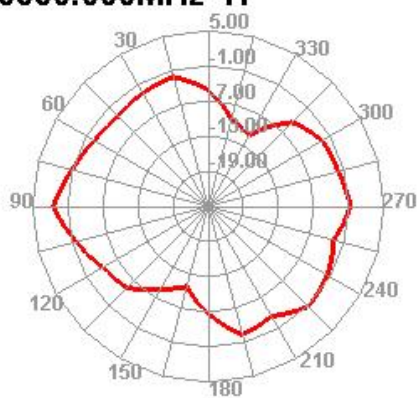
5150.000MHz E2



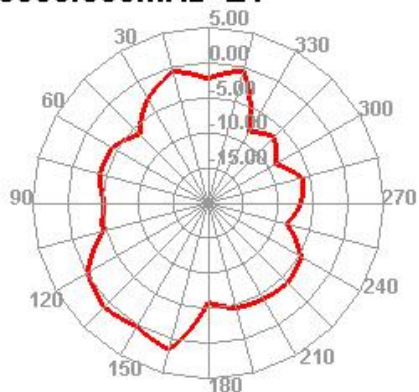
5550.000MHz



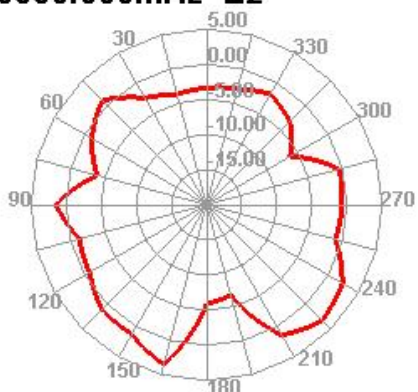
5550.000MHz H



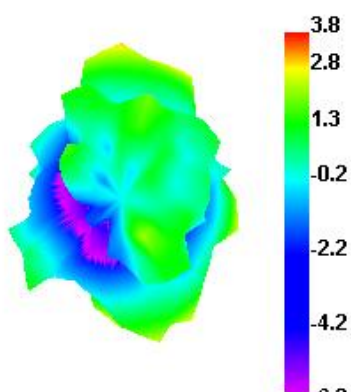
5550.000MHz E1



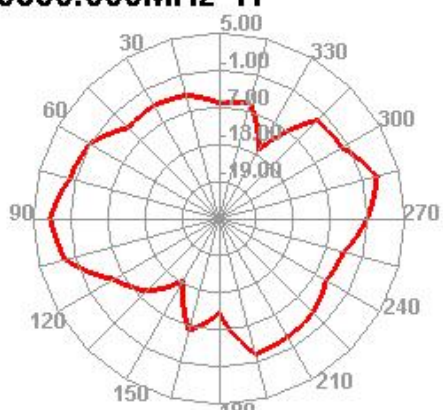
5550.000MHz E2



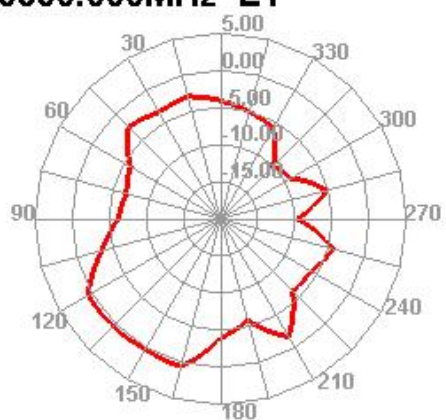
5850.000MHz



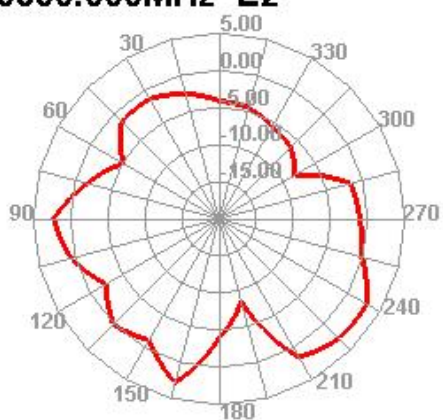
5850.000MHz H



5850.000MHz E1

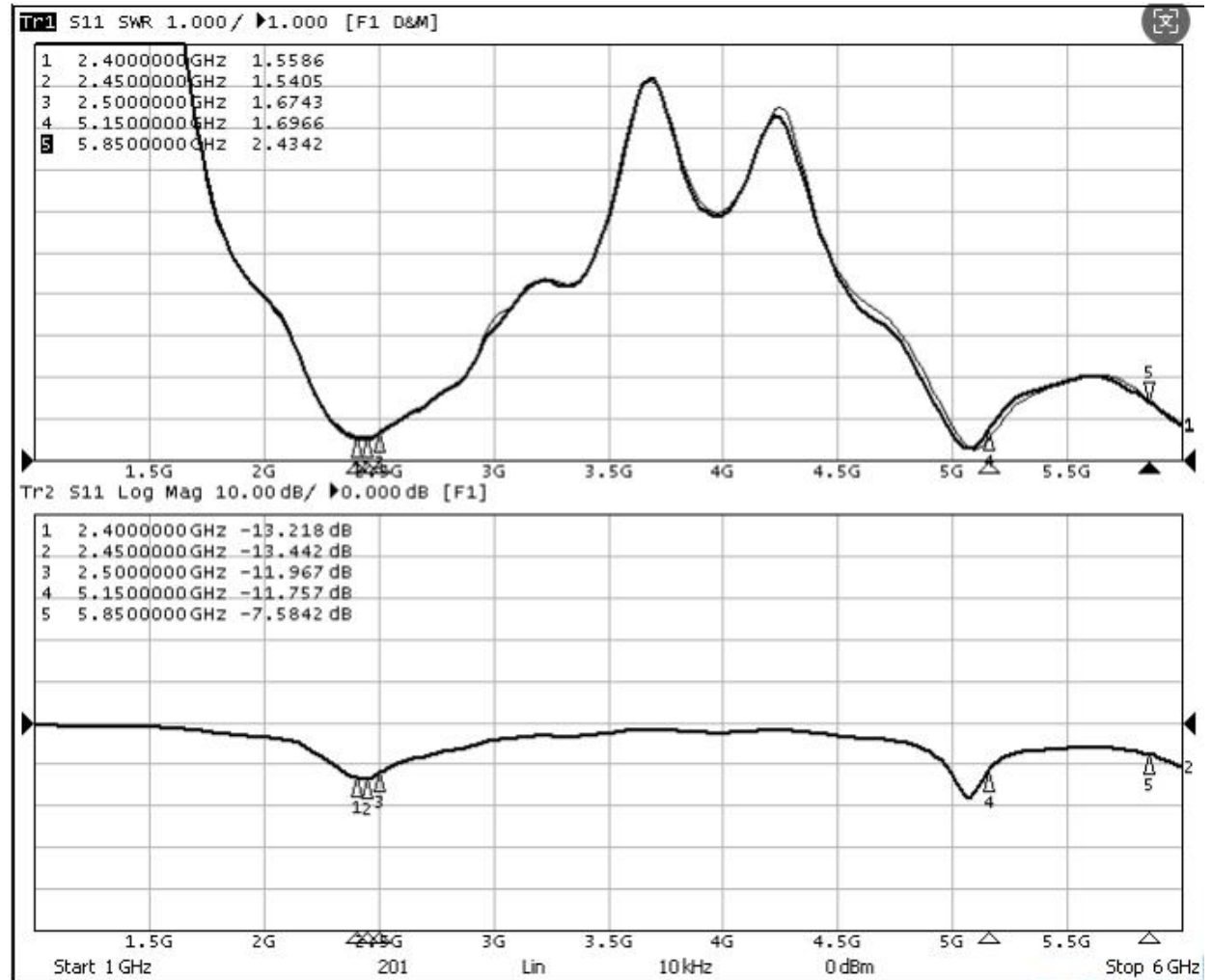


5850.000MHz E2



无源驻波

Test Data



天线安装位置

Antenna assembly position

