

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.	E1
供方品名 PART NAME	2.4G/5G 天线
规格名称 SUPPLIER NO.	XH260044-A

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: May 26, 2026

DIRECTORY

[illegible]

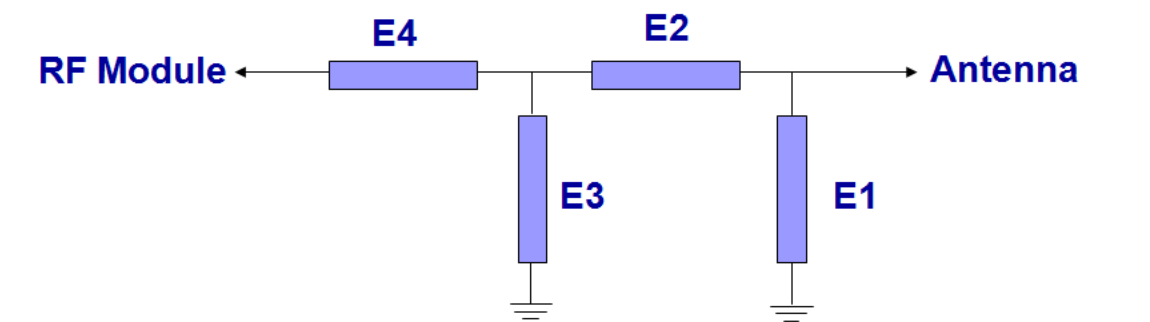
电性测试报告

TEST REPORTS

频率 Frequency	2.4G/5G(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:4.57dBi 5G: 5.31dBi
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



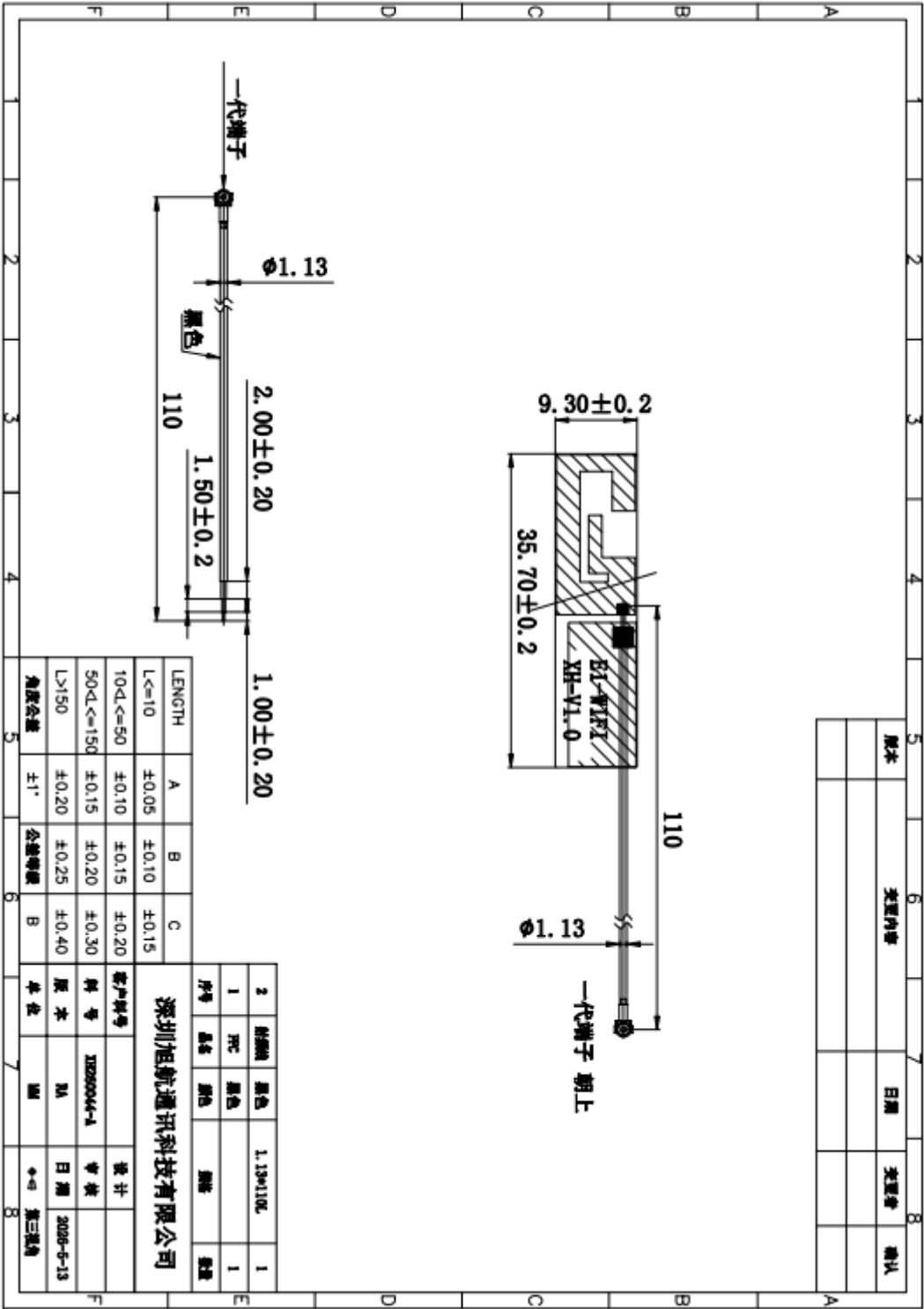
匹配电路

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 56s 784ms
AdditionalInfor802.11b : 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)	15.9	14.23	14.49	Sens Ave(dBm)			-75.14

Application Information

04Version 5.271.371
TotalTime 6m 44s 966ms
AdditionalInfor802.11g : 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)	13.33	14.01	14.82	Sens Ave(dBm)			-65.17

Application Information

04Version 5.271.371
TotalTime 5m 13s 379ms
AdditionalInfor802.11n : 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)	13.33	14.4	14.11	Sens Ave(dBm)			-61.01

WIFI5G 测试数据

Application Information

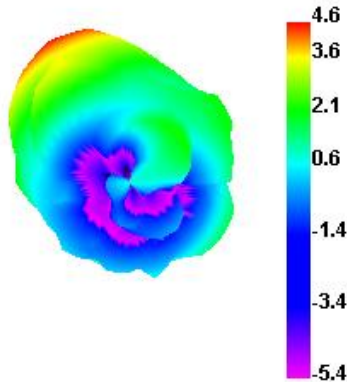
04Version 5.271.371
TotalTime 7m 14s 756ms
AdditionalInfor802.11a : 54Mbps 20M

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)	14.17	15.42	15.16	Sens Ave(dBm)			-72.84

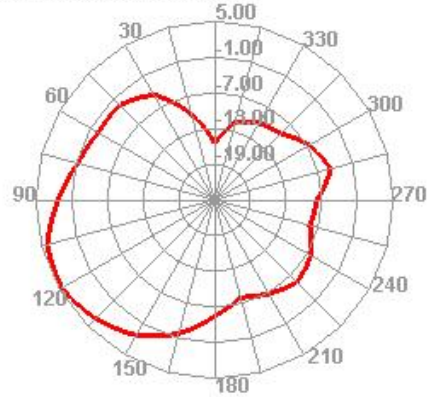
无源测试数据

Freq (MHz)	Effi (%)	Gain (dBi)			
2400	48.45	4.57			
2410	42.95	3.85			
2420	46.65	3.97			
2430	47.2	3.66			
2440	52.52	3.72			
2450	53.2	3.59			
2460	53.1	3.55	Freq (MHz)	Effi (%)	Gain (dBi)
2470	52.71	3.3	5150	40.21	3.94
2480	54.83	3.24	5550	46.19	5.31
2490	58.09	3.47	5850	50.86	3.43
2500	54.55	3.3			

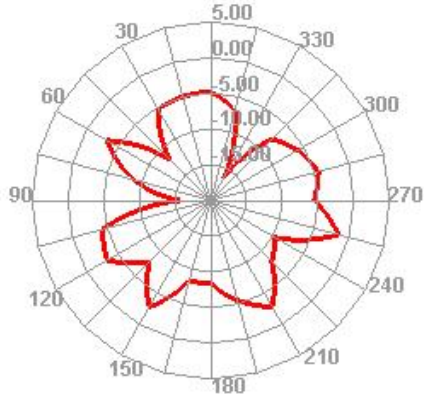
2400.000MHz



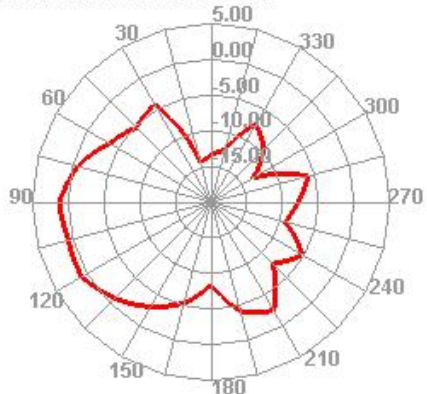
2400.000MHz H



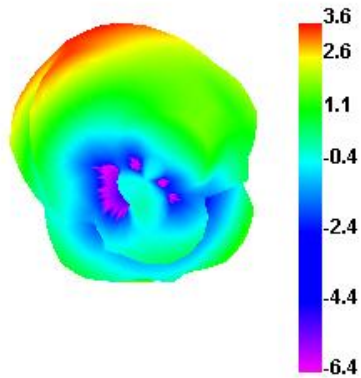
2400.000MHz E1



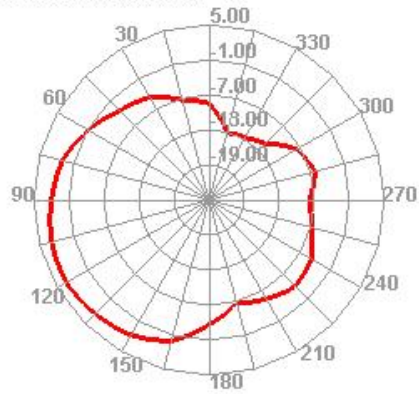
2400.000MHz E2



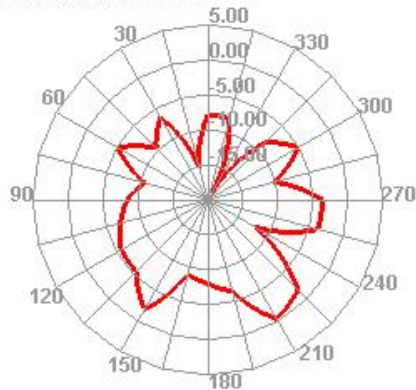
2450.000MHz



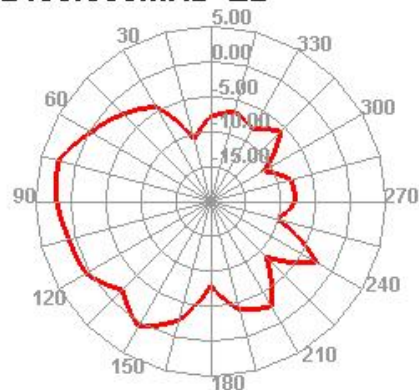
2450.000MHz H



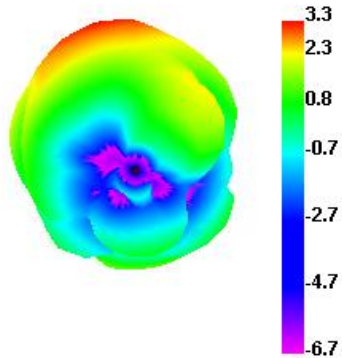
2450.000MHz E1



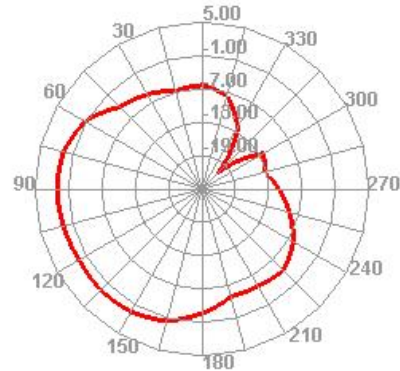
2450.000MHz E2



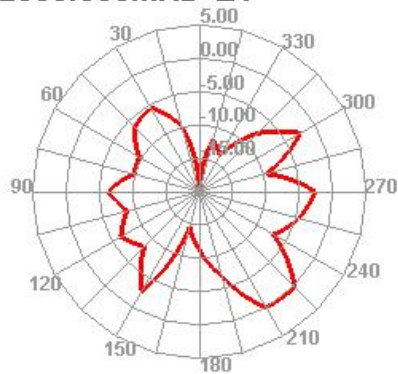
2500.000MHz



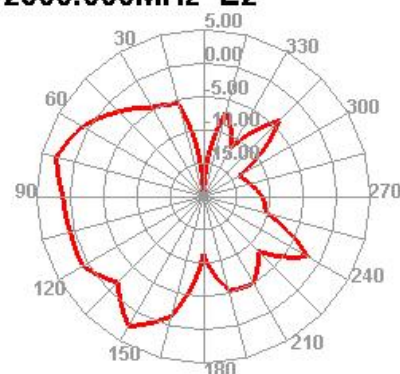
2500.000MHz H



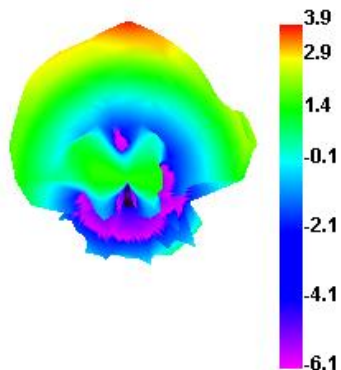
2500.000MHz E1



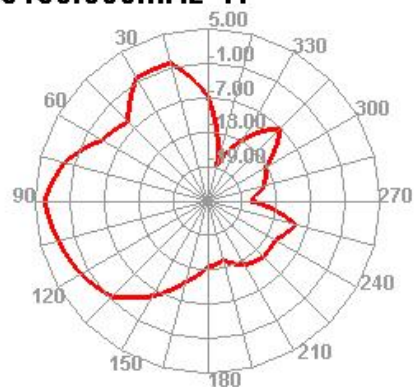
2500.000MHz E2



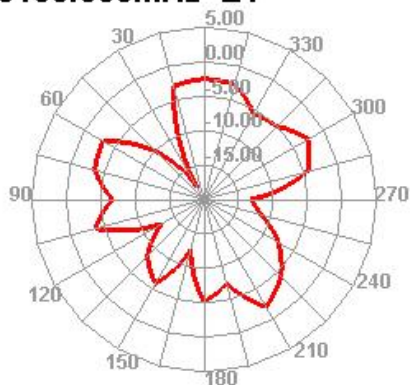
5150.000MHz



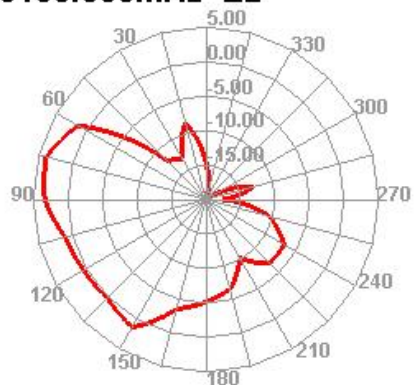
5150.000MHz H



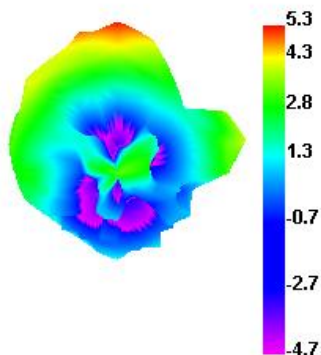
5150.000MHz E1



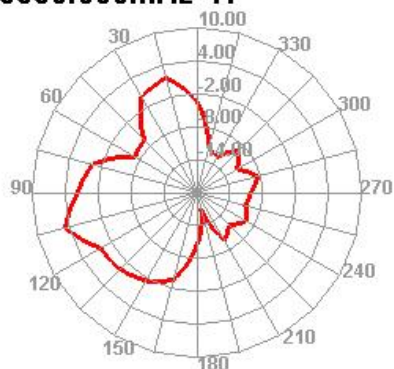
5150.000MHz E2



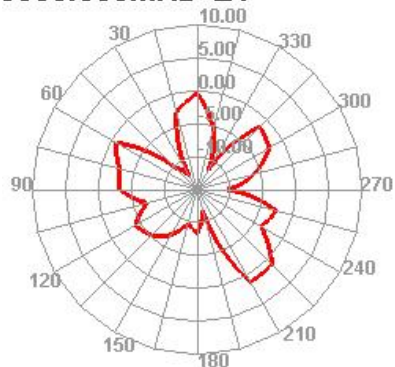
5550.000MHz



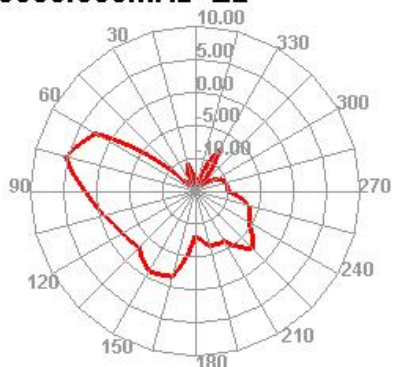
5550.000MHz H



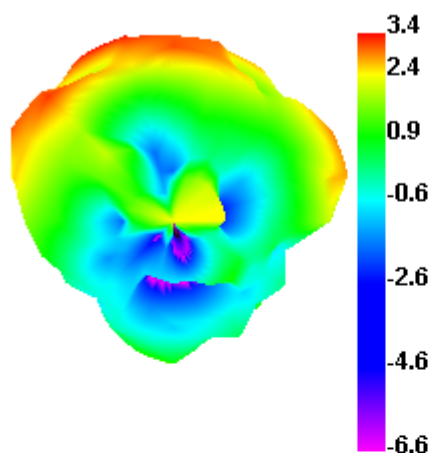
5550.000MHz E1



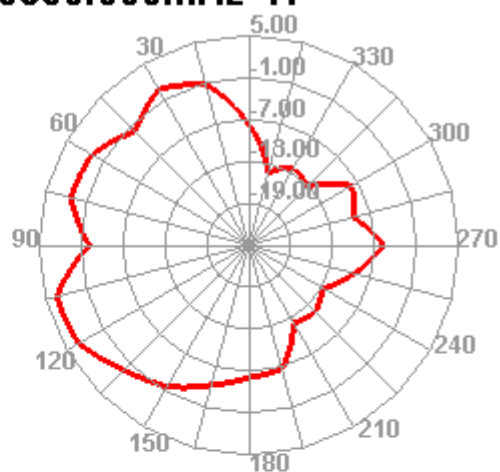
5550.000MHz E2



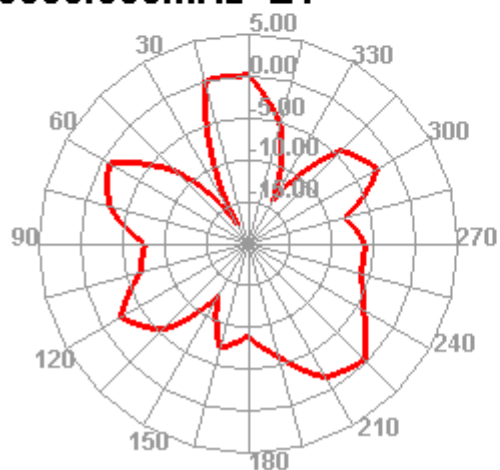
5850.000MHz



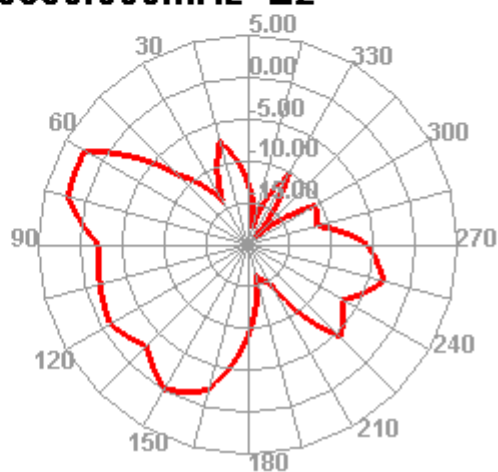
5850.000MHz H



5850.000MHz E1

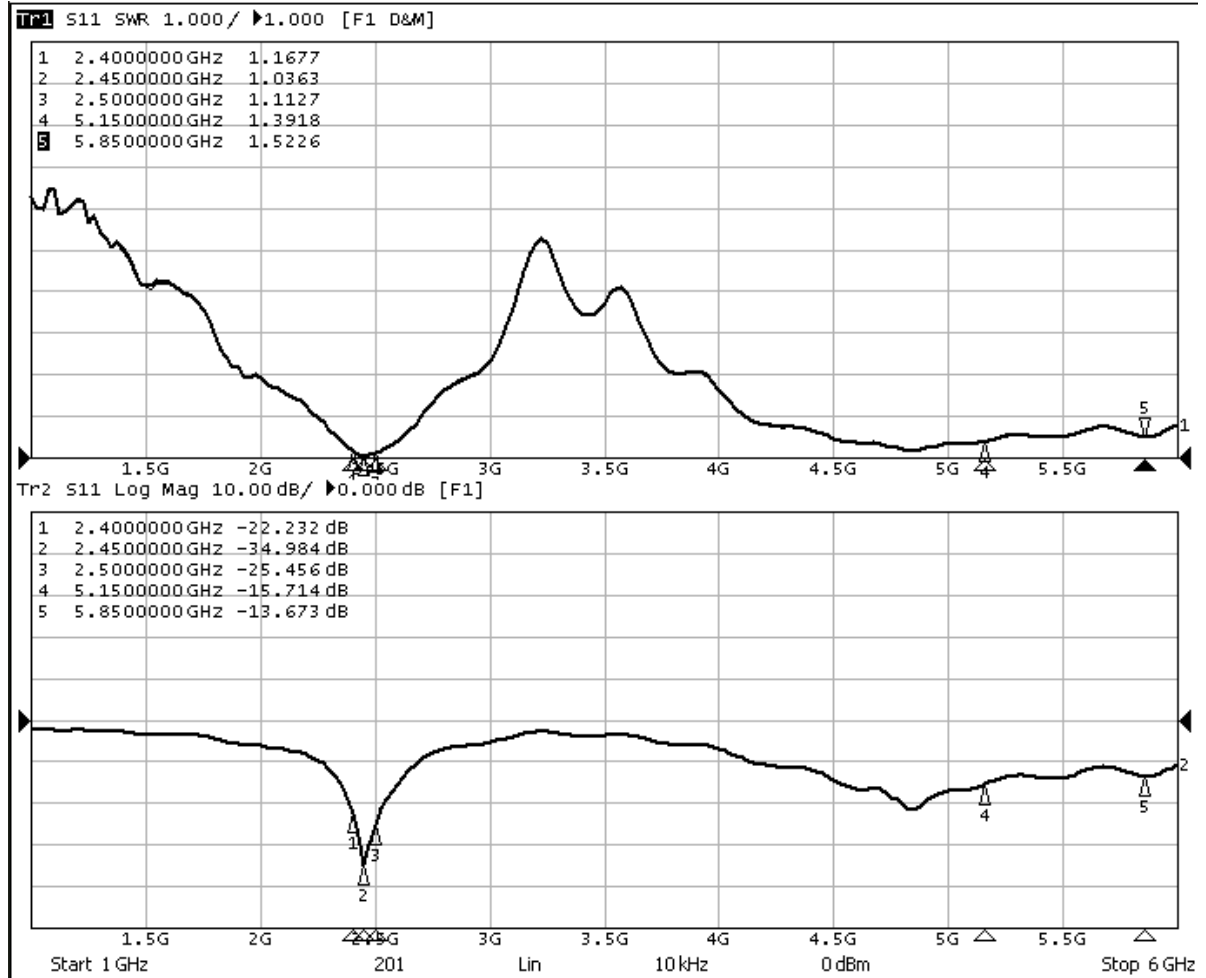


5850.000MHz E2



无源驻波

Test Data



天线安装位置

Antenna assembly position

