

深圳旭航通讯科技有限公司

Shenzhen Xuhang Communication

规格承认书

客户 CUSTOMER	金堡
客户料号 CUSTOMER NO.	
供方品名 PART NAME	WiFi 天线
规格名称 SUPPLIER NO.	XH250103

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: August 25, 2026

DIRECTORY

[illegible]

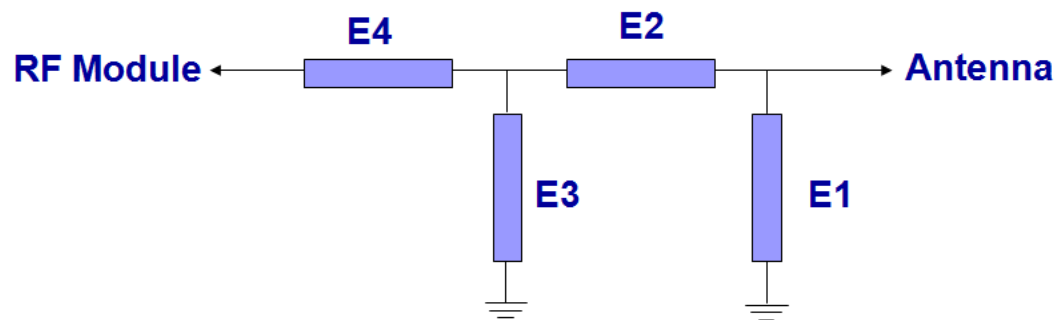
电性测试报告

TEST REPORTS

频率 Frequency	WiFi:(2400MHz~2500MHz; 5150MHz~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: 2.04 dBi 5G: 3.21 dBi
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

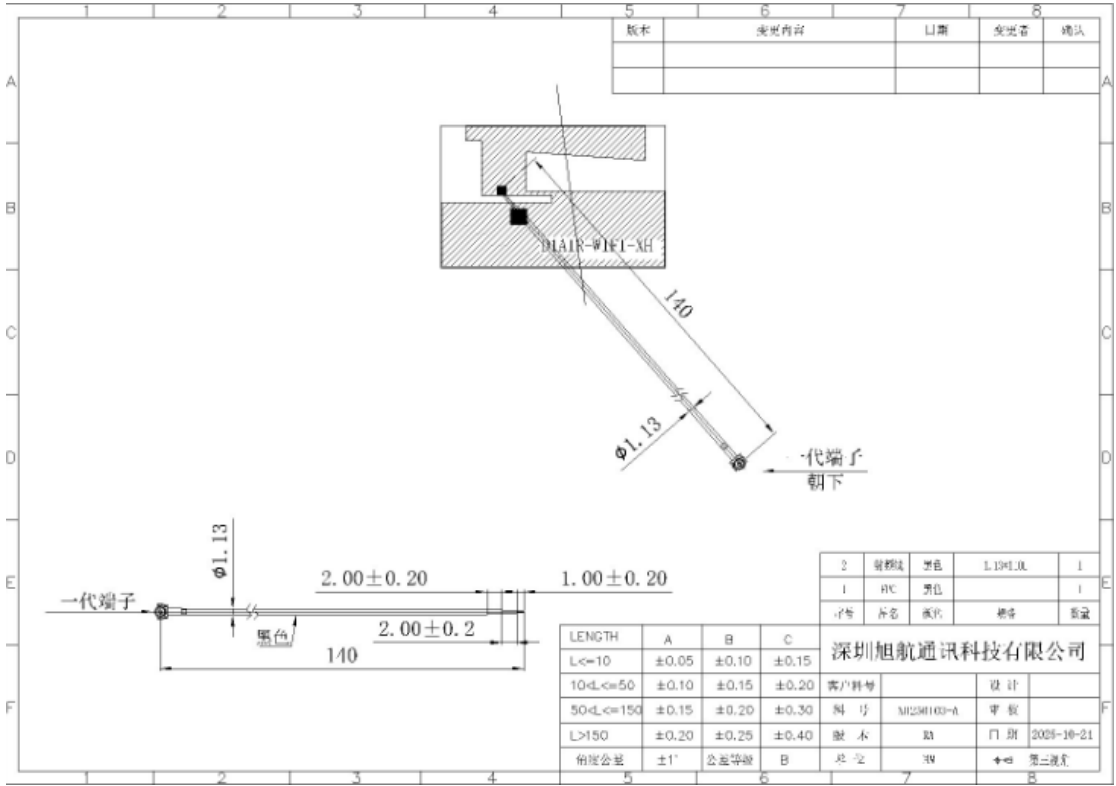


匹配电路

The original matching circuit has not been modified

WiFi 天线工程图

DRAWING



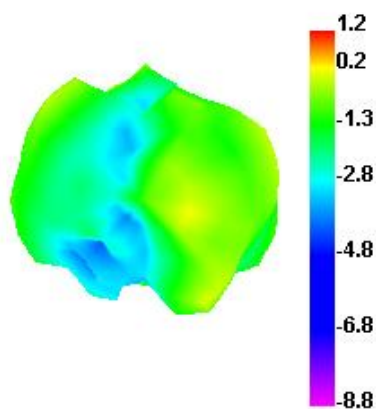
Test Data

测试 数据

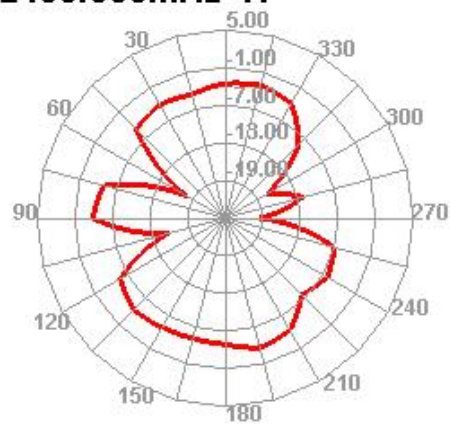
Application Information					
O4Version		5.271.371			
TotalTime		6m 17s 945ms			
AdditionalInfor		802.11b : 11Mbps 20M			
Test Result	Wifi 2G TRP			Test Result	ifi 2G TIS
	1	6	11		11
Frequency (MHz)	2412	2437	2462	Frequency (MHz)	2462
Txp Ave(dBm)	14.74	14.64	16.2	Sens Ave(dBm)	-80.04
Application Information					
O4Version		5.271.371			
TotalTime		6m 34s 454ms			
AdditionalInfor		802.11g : 54Mbps 20M			
Test Result	Wifi 2G TRP			Test Result	ifi 2G TIS
	1	6	11		11
Frequency (MHz)	2412	2437	2462	Frequency (MHz)	2462
Txp Ave(dBm)	14.97	16.34	18.01	Sens Ave(dBm)	-45.41
Application Information					
O4Version		5.271.371			
TotalTime		7m 2s 98ms			
AdditionalInfor		802.11n : MCS7 20M			
Test Result	Wifi 2G TRP			Test Result	ifi 2G TIS
	1	6	11		11
Frequency (MHz)	2412	2437	2462	Frequency (MHz)	2462
Txp Ave(dBm)	14.81	15.6	17.23	Sens Ave(dBm)	-64.2
Application Information					
O4Version		5.271.371			
TotalTime		5m 59s 853ms			
AdditionalInfor		802.11a : 54Mbps 20M			
Test Result	Wifi 5G TRP			Test Result	ifi 5G TIS
	36	116	161		161
Frequency (MHz)	5180	5580	5805	Frequency (MHz)	5805
Txp Ave(dBm)	12.31	16.21	14.88	Sens Ave(dBm)	-73.18

Freq (MHz)	Effi (%)	Gain (dBi)			
2400	43.91	1.2			
2410	41.66	0.78			
2420	44.05	1			
2430	46.15	1.21			
2440	50.23	1.61			
2450	52.23	1.73			
2460	51.1	1.52			
2470	53.54	1.66			
2480	55.56	2.04			
2490	55.17	1.92			
2500	49.53	1.71			
Freq (MHz)	Effi (%)	Gain (dBi)			
5150	47.03	1.95			
5550	49.55	1.67			
5850	55.57	3.21			

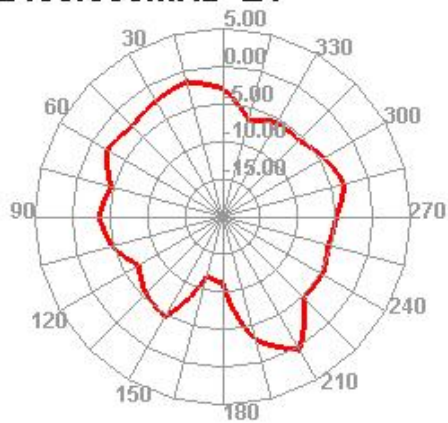
2400.000MHz



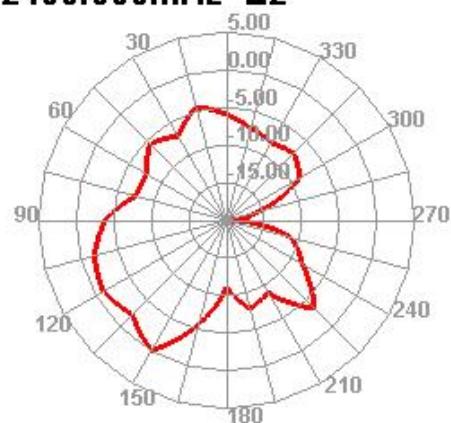
2400.000MHz H



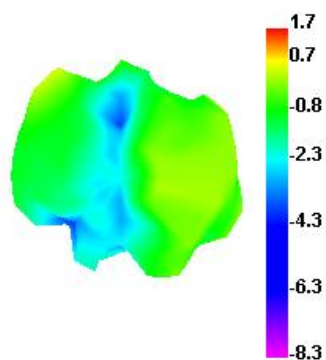
2400.000MHz E1



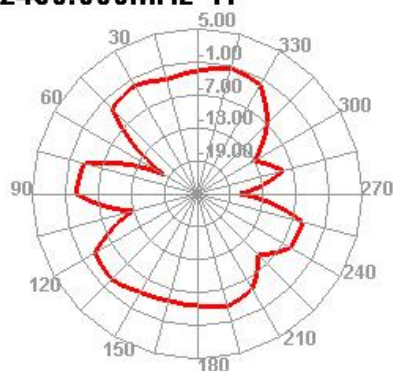
2400.000MHz E2



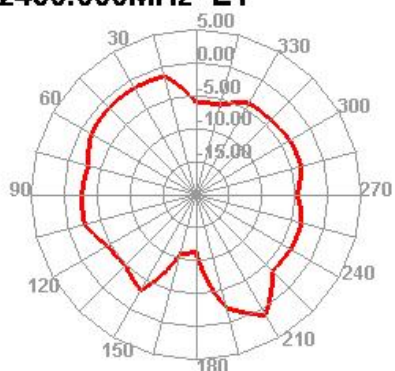
2450.000MHz



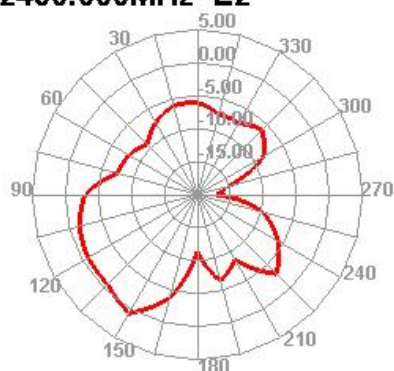
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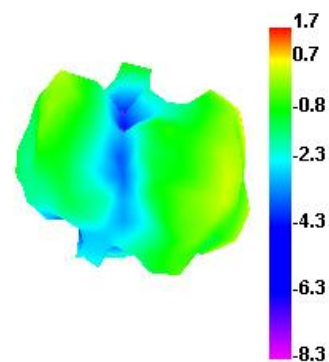
2450.000MHz E1



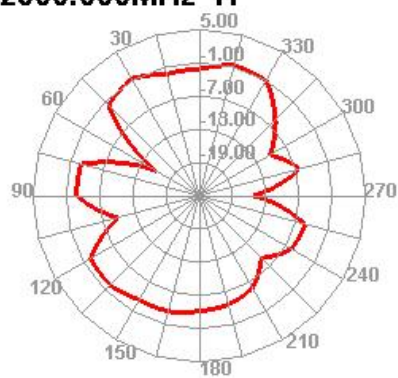
2450.000MHz E2



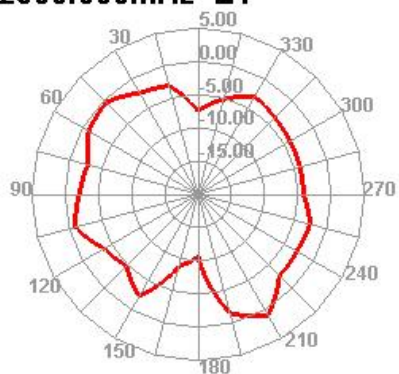
2500.000MHz



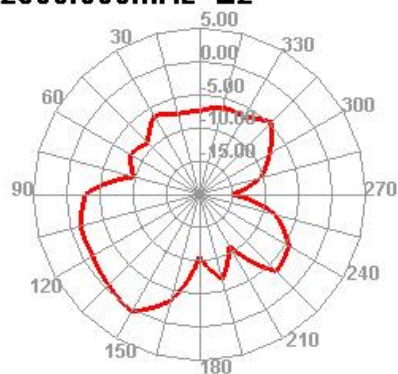
2500.000MHz H



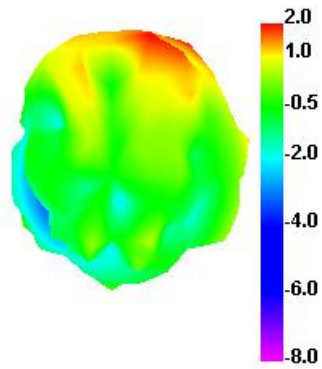
2500.000MHz E1



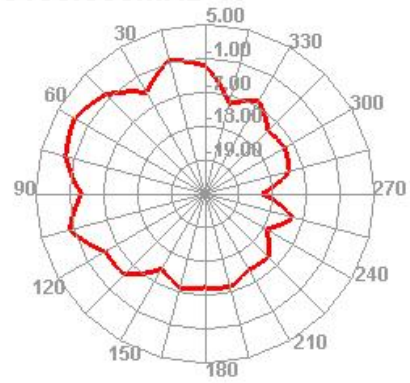
2500.000MHz E2



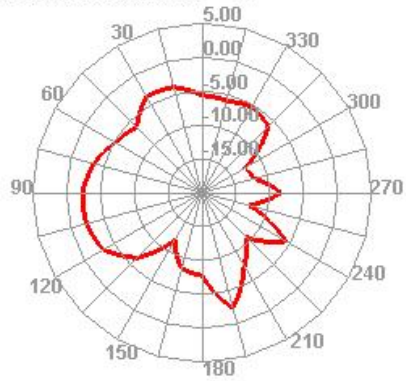
5150.000MHz



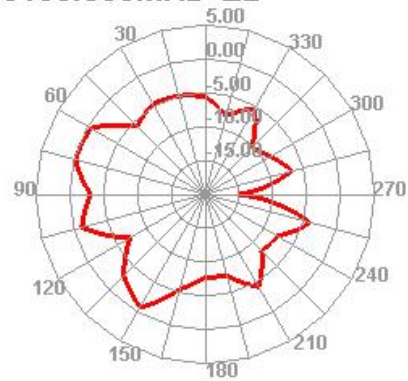
5150.000MHz H



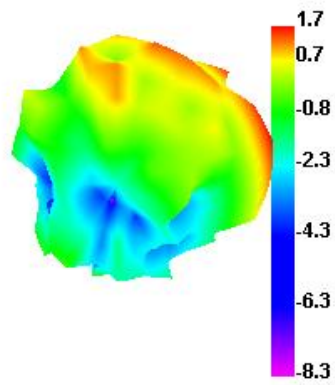
5150.000MHz E1



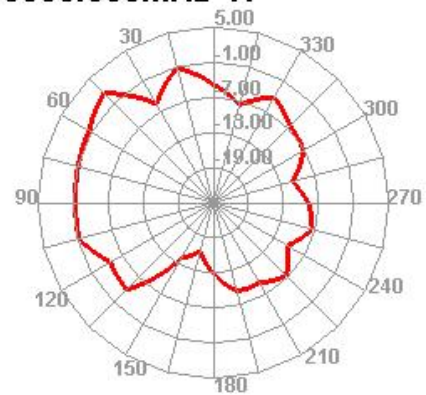
5150.000MHz E2



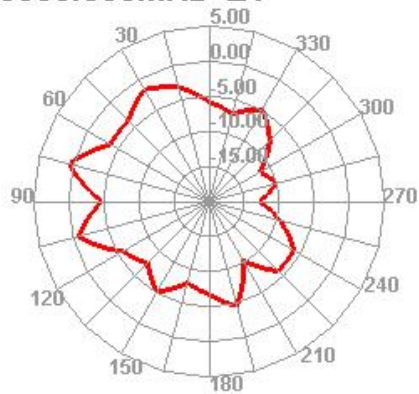
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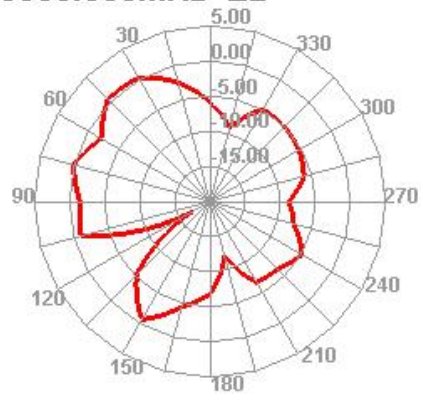
5550.000MHz H



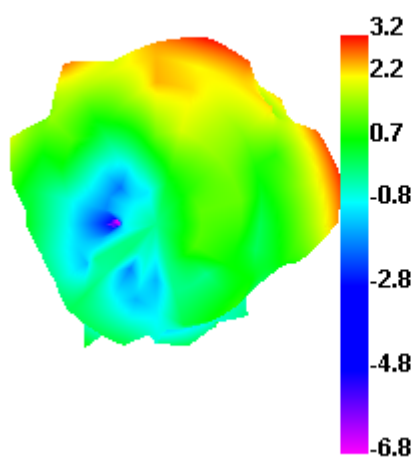
5550.000MHz E1



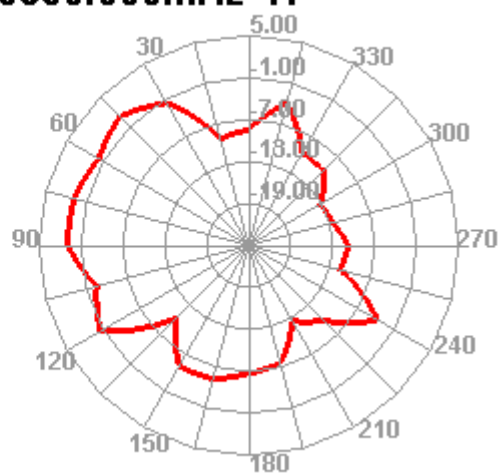
5550.000MHz E2



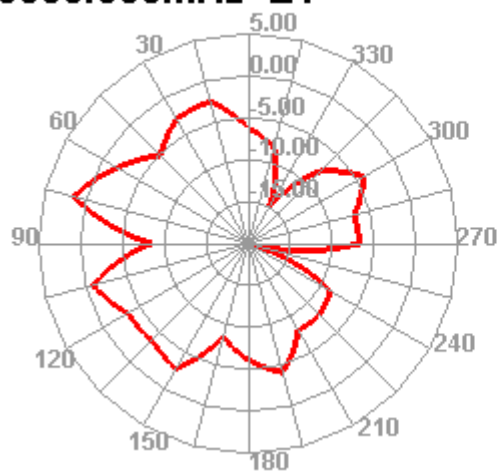
5850.000MHz



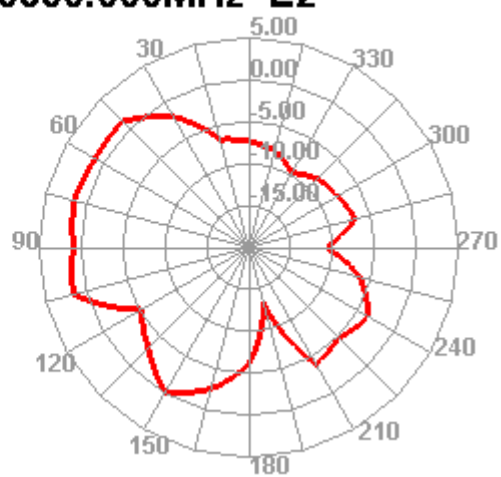
5850.000MHz H



5850.000MHz E1

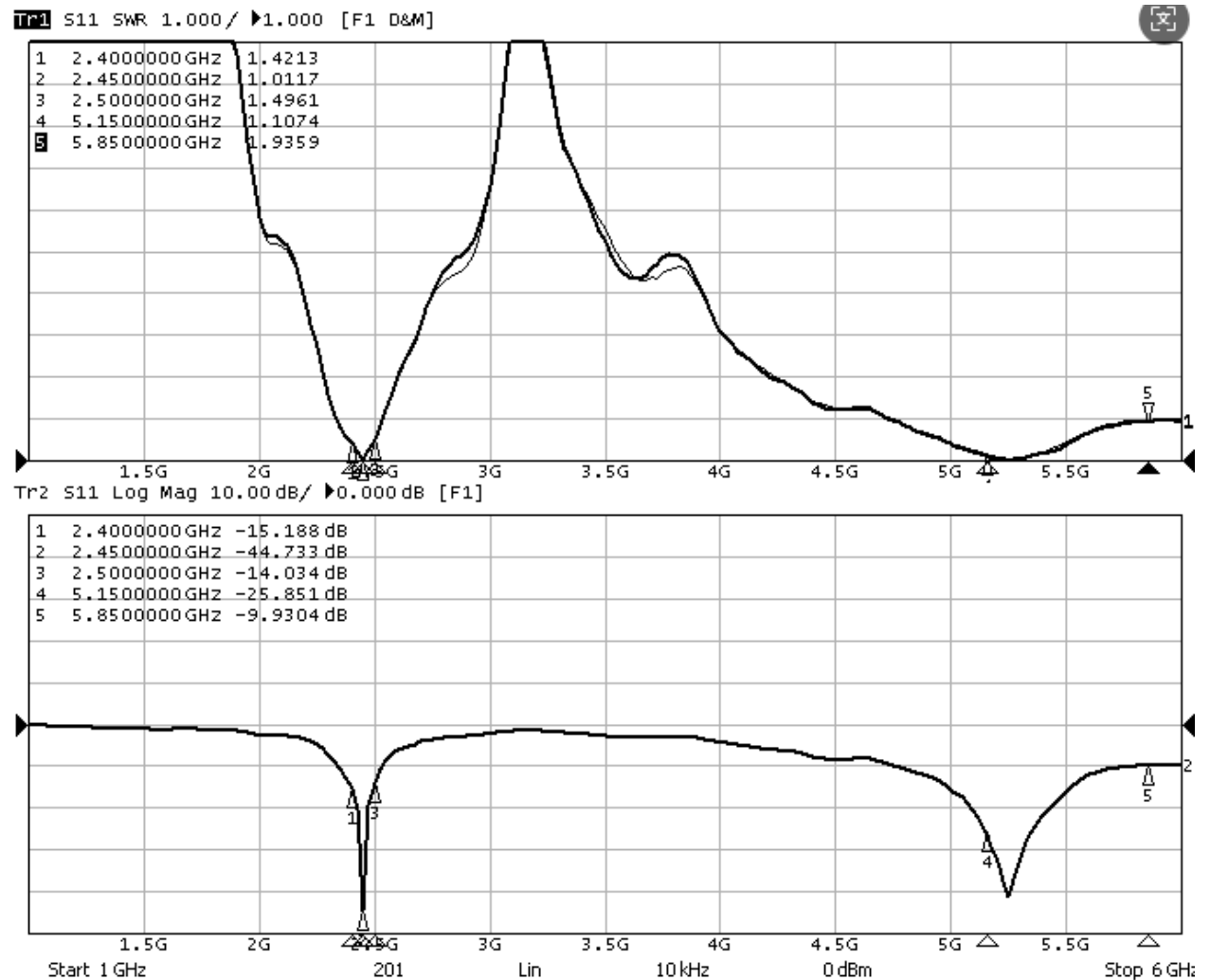


5850.000MHz E2



WiFi 无源驻波

Standing wave loss



天线安装位置

Antenna assembly position

