

深圳旭航通讯科技有限公司

Shenzhen Xuhang Communication Technology Co., Ltd

Address:Saixi Technology Building, No. 3398 Binhai Avenue, Binhai Community, Yuehai Street,
Nanshan District, Shenzhen,China

客户 CUSTOMER	
客户料号 CUSTOMER NO.	
供方品名 PART NAME	WIFI Antenna
规格名称 SUPPLIER NO.	XH230030 (L=190mm)

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 18,2023

DIRECTORY

[illegible]

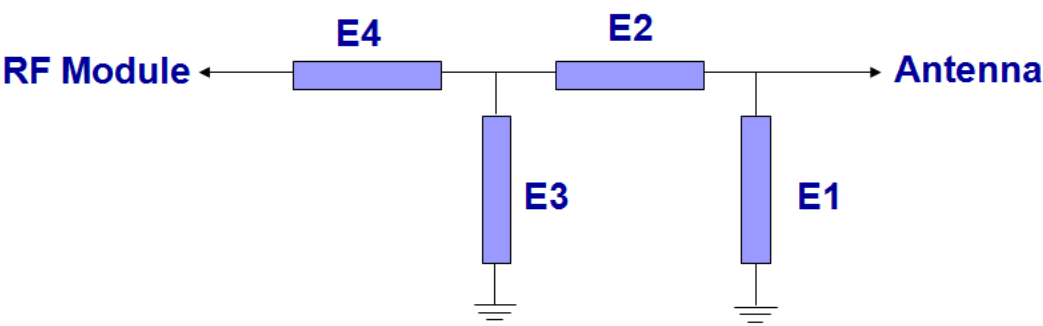
电性测试报告

TEST REPORTS

频率 Frequency	WIFI(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 Wi-Fi :4.57dBi 5G Wi-Fi: 2.95dBi
极化方式 Polarization	Linear,Vertical
功率 Admitted Power	1W
连接器 Connector	I-PEX I
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

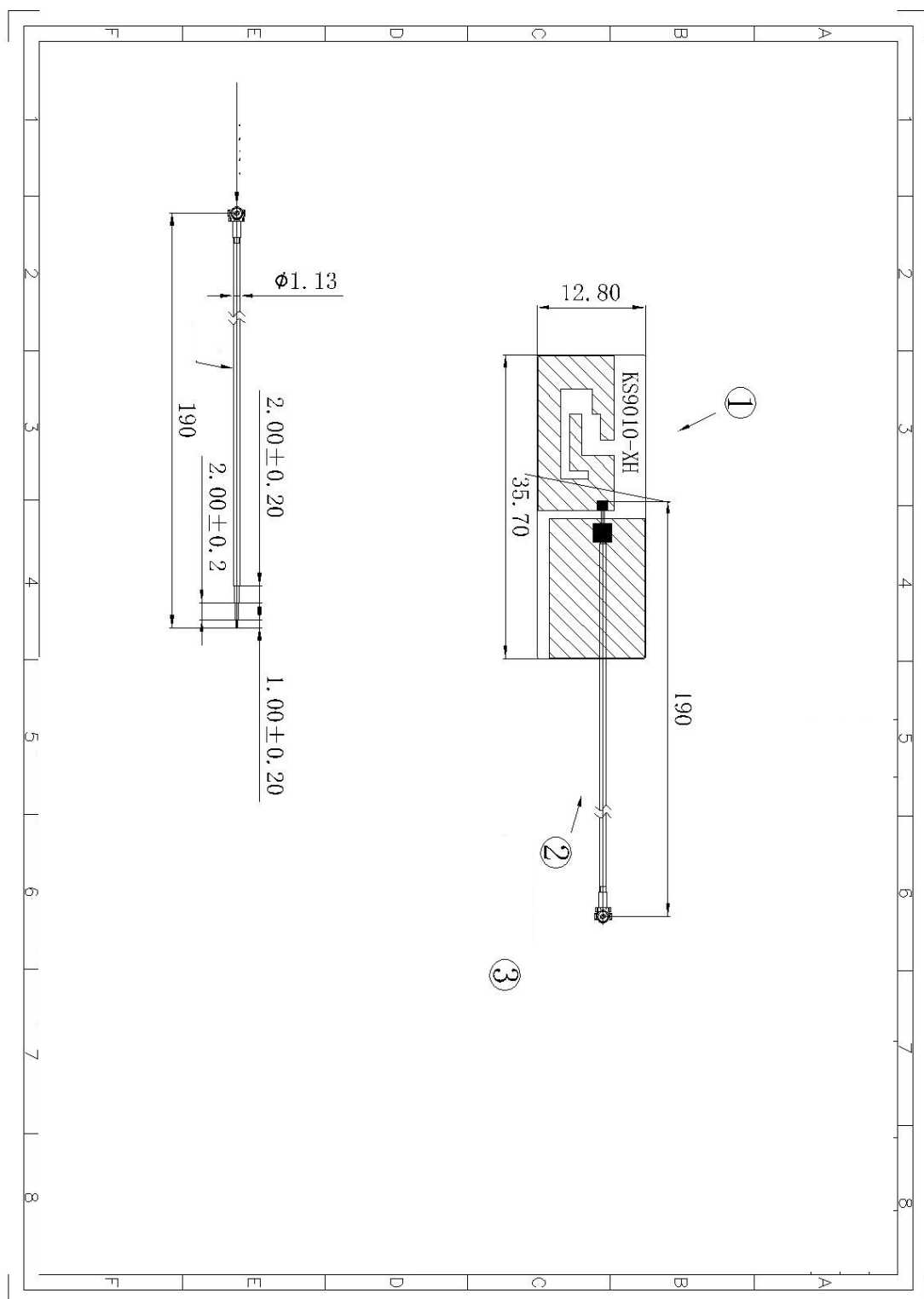


Element	Value	Vender
E1(0402)		
E2(0402)	0Ω	
E3(0402)		
E4(0402)	0Ω	

The original matching circuit has not been modified

工程图

DRAWING



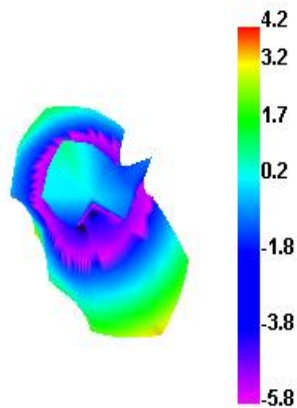
测试数据

Test Data

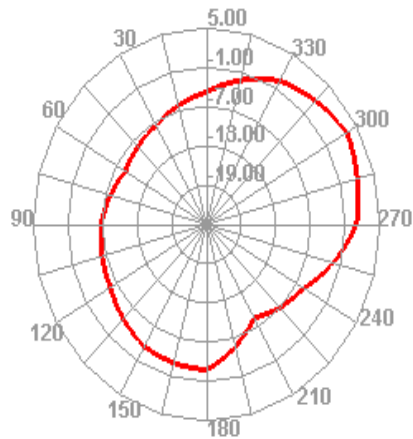
Freq (MHz)	Effi (%)	Gain (dBi)
2400	52.55	4.17
2410	52.24	4.12
2420	57.05	4.51
2430	55.98	4.31
2440	59.59	4.57
2450	56	4.26
2460	56.7	4.3
2470	58.06	4.34
2480	58.21	4.29
2490	64.88	4.67
2500	62.12	4.34

Freq (MHz)	Effi (%)	Gain (dBi)
5150	51.17	-0.77
5550	52.93	1.33
5850	52.07	2.95

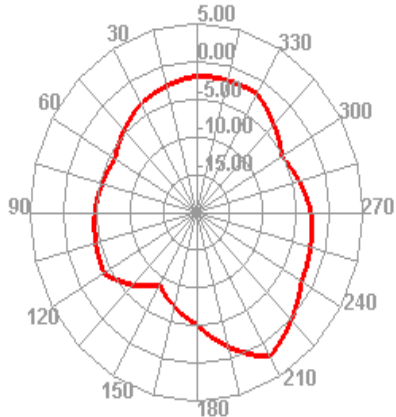
2400.000MHz



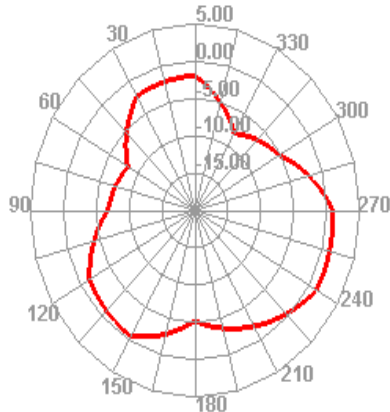
2400.000MHz H



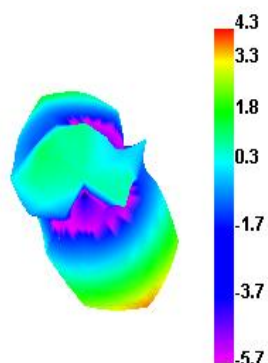
2400.000MHz E1



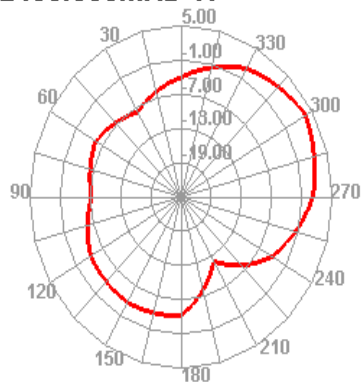
2400.000MHz E2



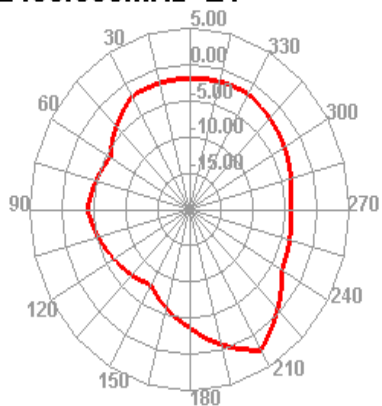
2450.000MHz



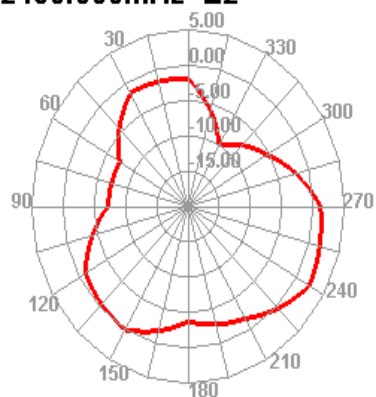
2450.000MHz H



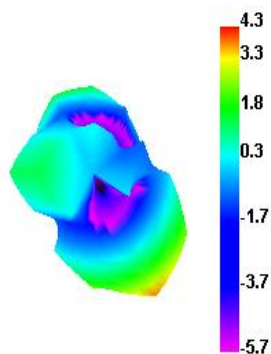
2450.000MHz E1



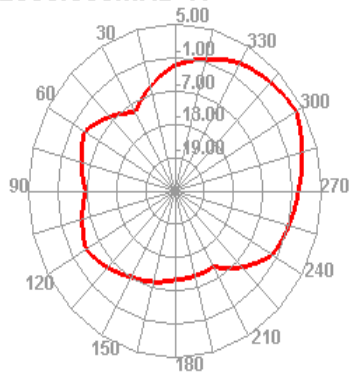
2450.000MHz E2



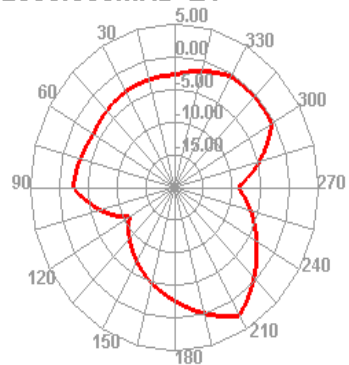
2500.000MHz



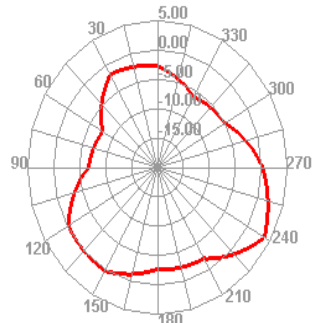
2500.000MHz H



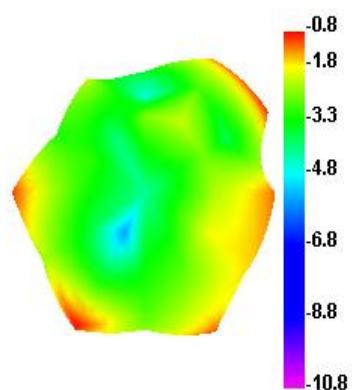
2500.000MHz E1



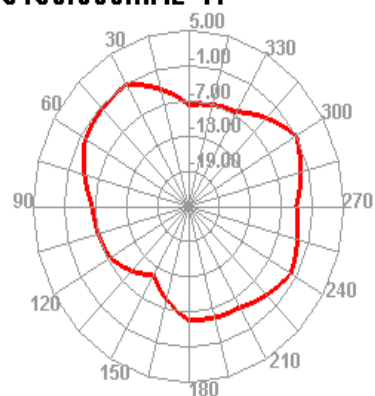
2500.000MHz E2



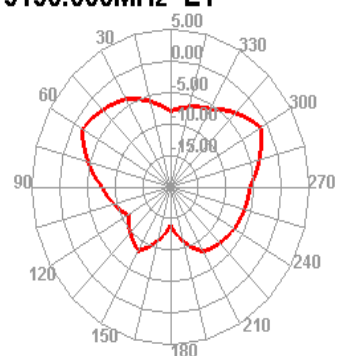
5150.000MHz



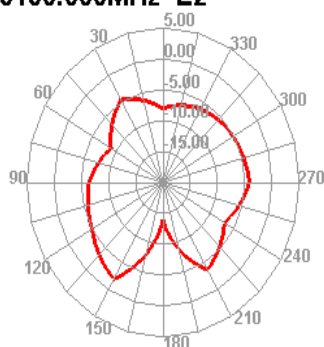
5150.000MHz H



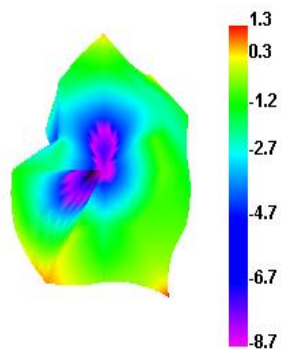
5150.000MHz E1



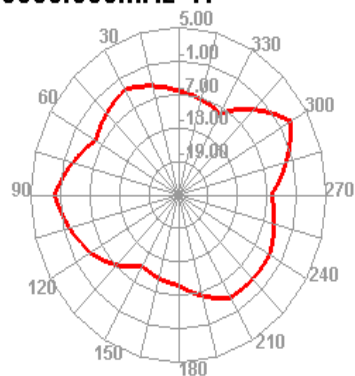
5150.000MHz E2



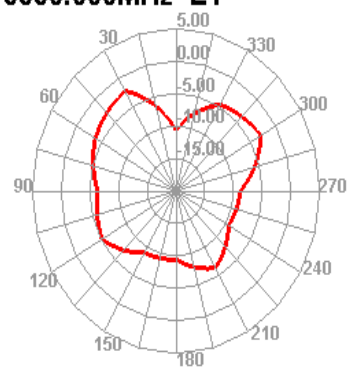
5550.000MHz



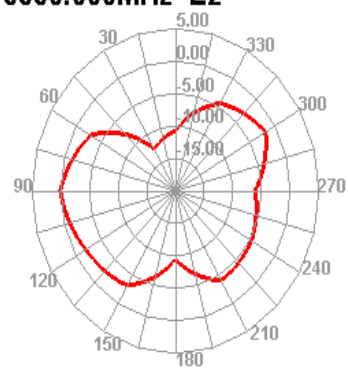
5550.000MHz H



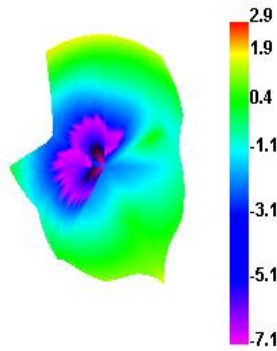
5550.000MHz E1



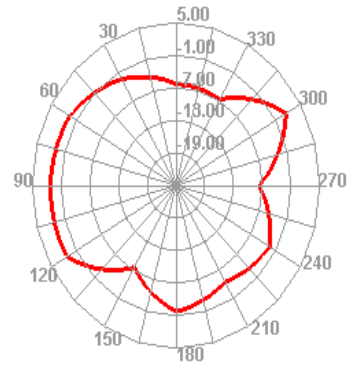
5550.000MHz E2



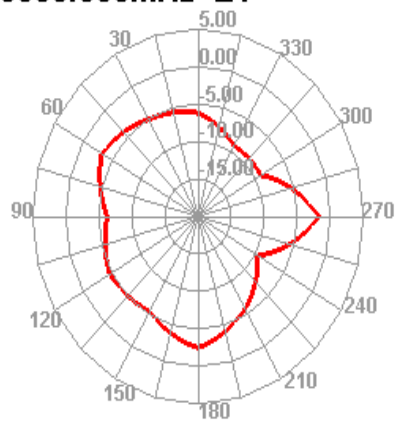
5850.000MHz



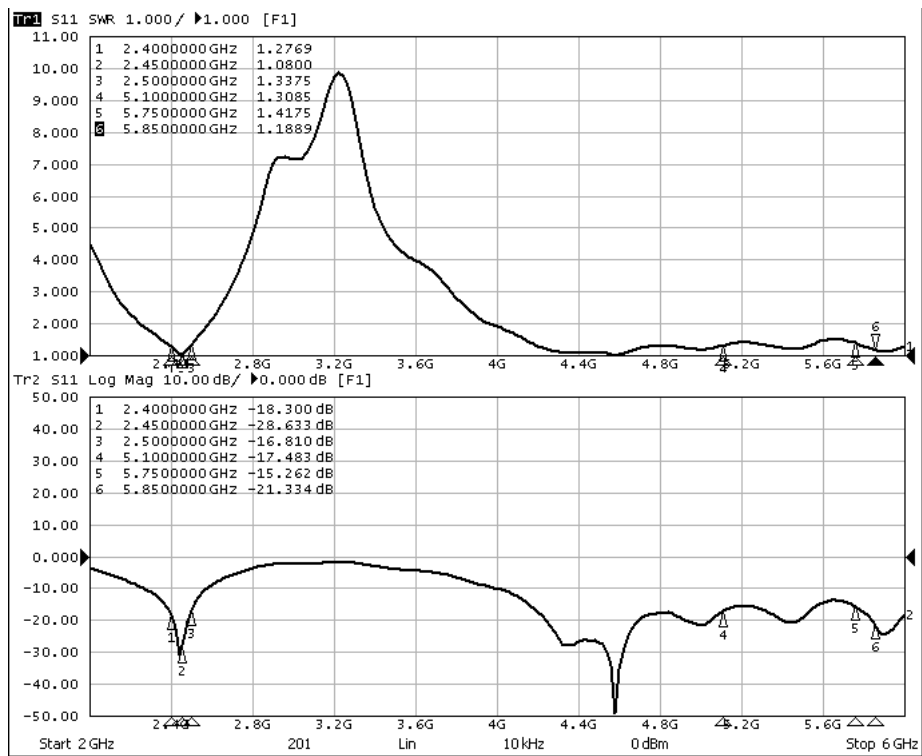
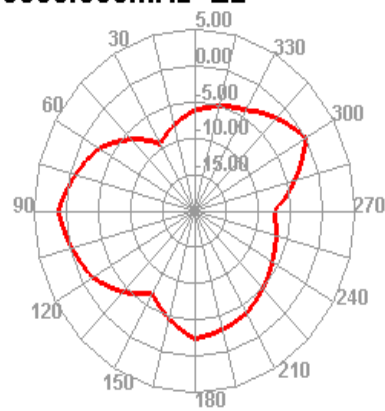
5850.000MHz H



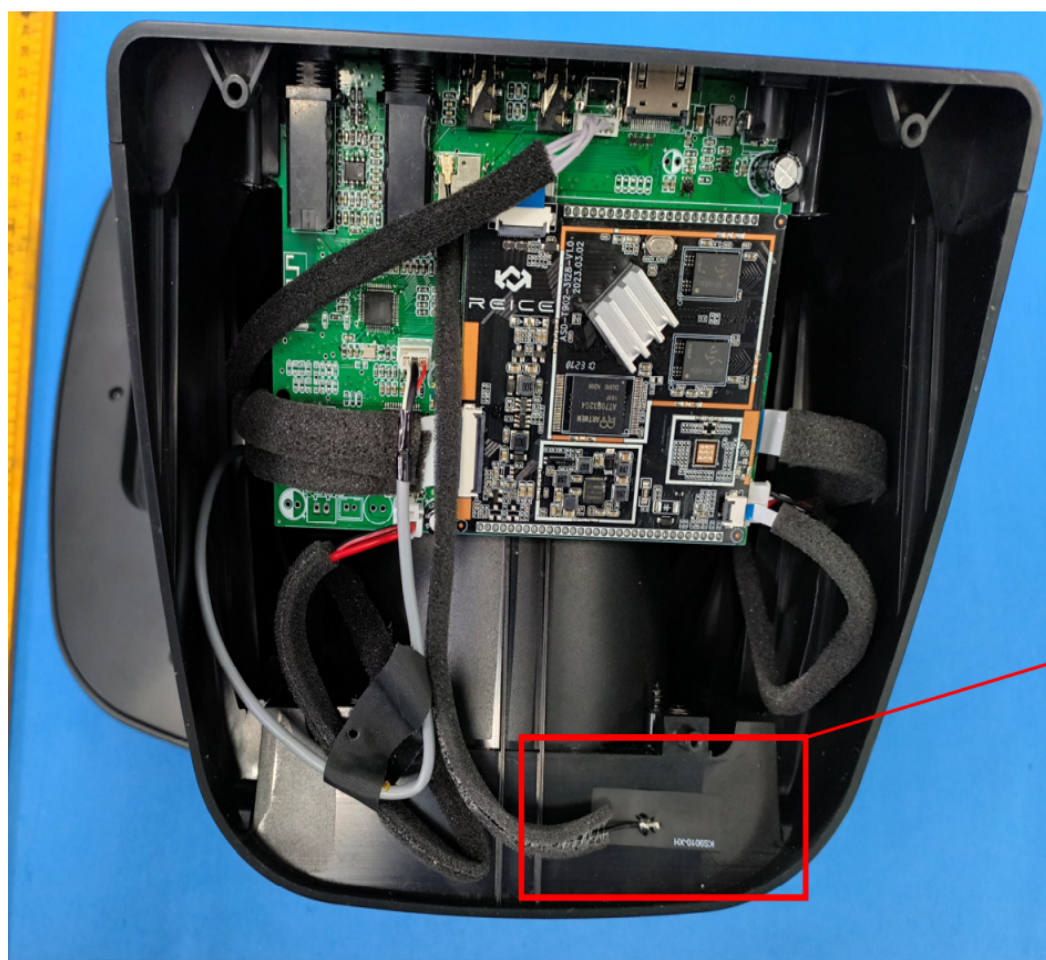
5850.000MHz E1



5850.000MHz E2



天线装配位置 Antenna assembly position



WIFI ANT