

Shenzhen Xuhang Communication Technology Co., Ltd

CUSTOMER	GuangXi BeiLiu JinBao Electronic Co., Ltd.
PART NAME	WIFI Antenna
SUPPLIER NO.	XH230004 (L=40mm)

CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

DESIGN	CHECK	APPROVAL
Luo	Robert	SHANG

Date: January 3, 2023.

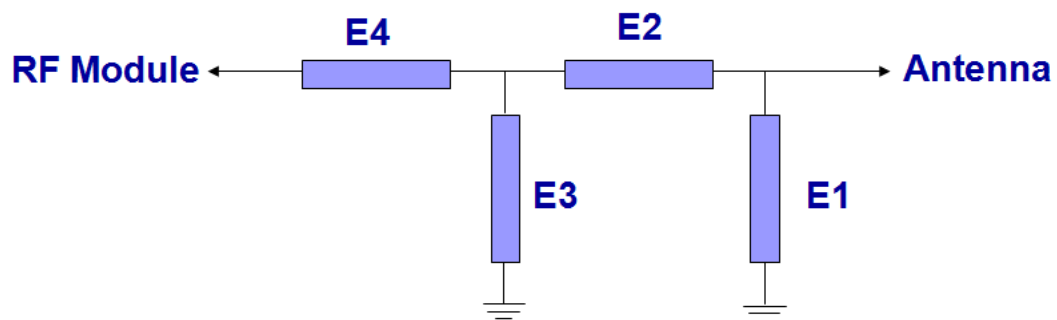
DIRECTORY

[illegible]

TEST REPORTS

Frequency	WIFI(2400~2500MHz)
Impedance	50 Ohm Nominal
V.S.W.R	≤ 2.0
Return Loss	-10dB Max
Radiation	Omni-directional
Gain(Peak)	2.27dBi
Polarization	Linear,Vertical
Admitted Power	1W
连接器 Connector	/
Physical Properties	
Antenna Material	FPC
Cable Type	O.D.0.81mm
Operating Temp.	-10-+60℃
Storage Temp.	-10-+70℃
Cable Color	Black

Matching Circuits

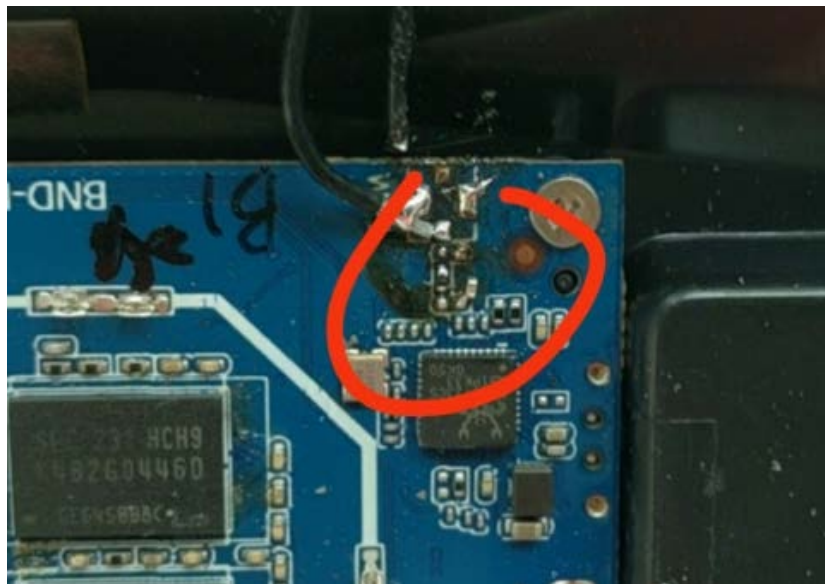


Matching components

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

The original matching circuit has been modified.

Remove the ground capacitance from the original matching.



5	6	7	8
版本	变更内容	日期	变更者
			确认

Technical drawing of a cable bracket assembly. The drawing shows a cross-section of a bracket (1) and a cable (2). The bracket has a width of 24.50 and a height of 7.00. The cable has a diameter of Ø0.81 and is labeled '黑色' (black). The bracket is labeled 'XH230001'. The drawing includes a table for material specifications and a company name '深圳旭航通讯科技有限公司'.

LENGTH	A	B	C
L≤10	±0.05	±0.10	±0.15
10<L≤50	±0.10	±0.15	±0.20
50<L≤150	±0.15	±0.20	±0.30
L>150	±0.20	±0.25	±0.40

公差等级 B

单位 mm

第三版

深圳旭航通讯科技有限公司

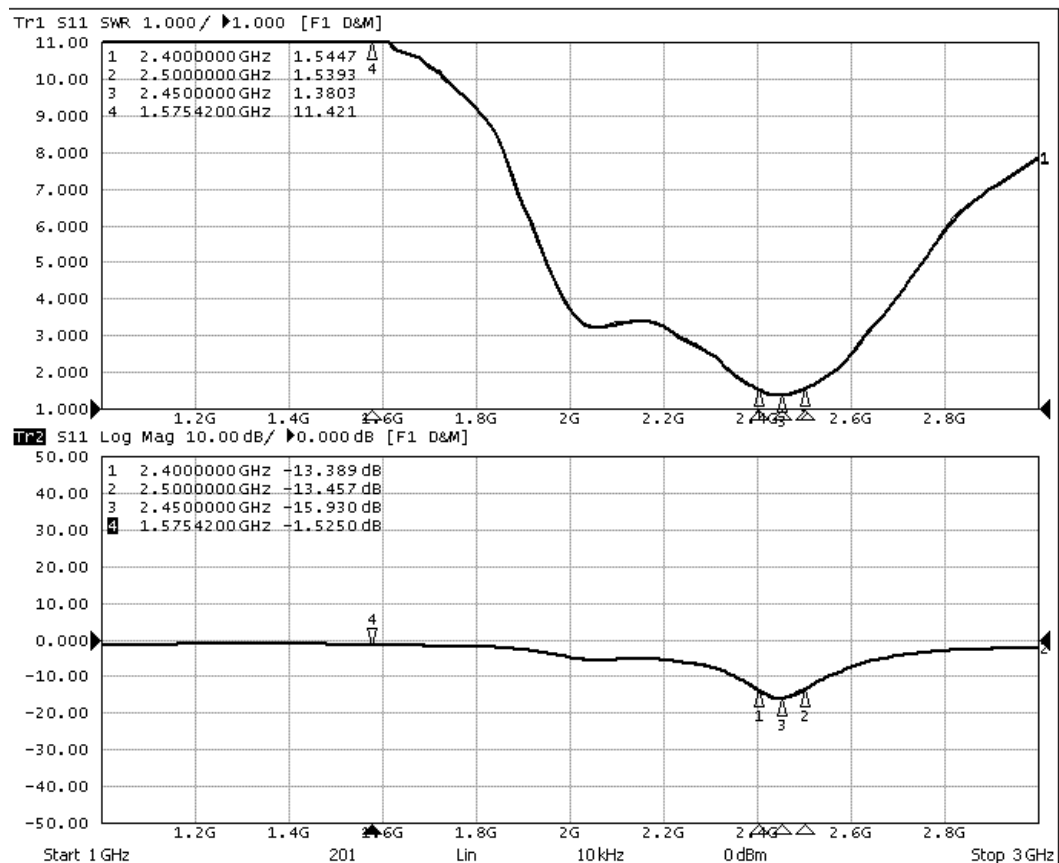
设计

审核

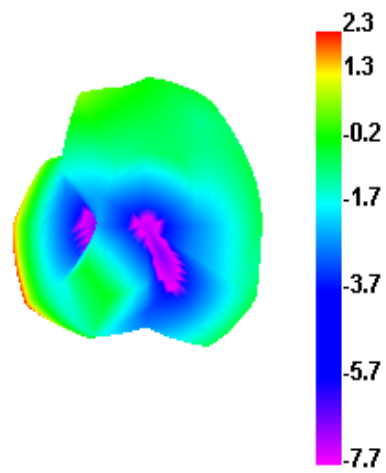
日期 2023-2-23

Test Data

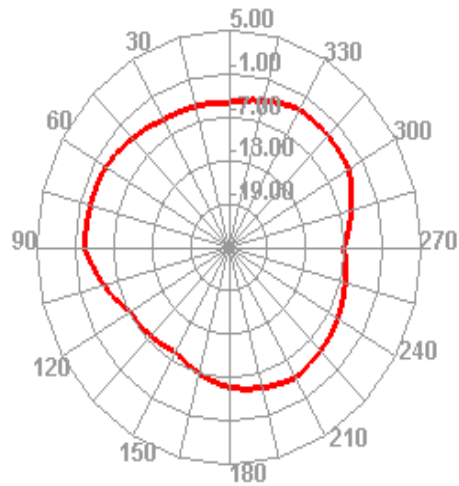
Freq (MHz)	Effi (%)	Gain (dBi)
2400	58.35	2.27
2410	55.68	1.98
2420	58.35	2.08
2430	54.97	1.67
2440	56.75	1.43
2450	58.21	1.96
2460	50.35	1.2
2470	52.98	1.52
2480	54.72	1.57
2490	61.77	1.95
2500	59.99	1.59



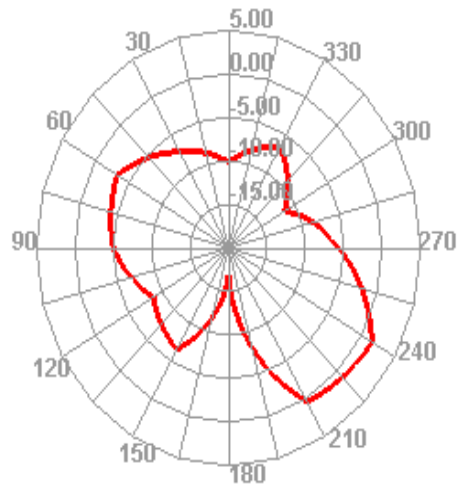
2400.000MHz



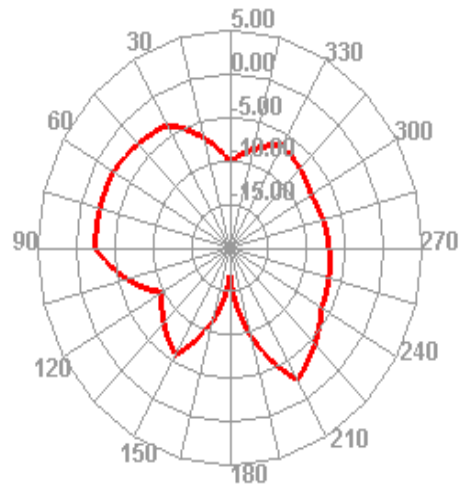
2400.000MHz H



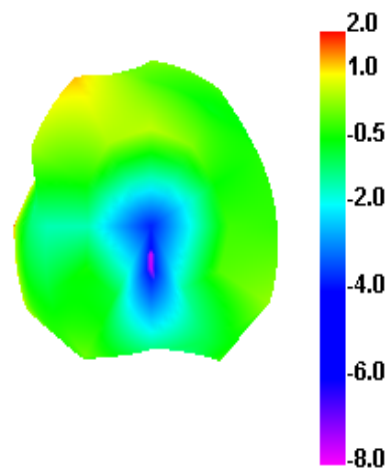
2400.000MHz E1



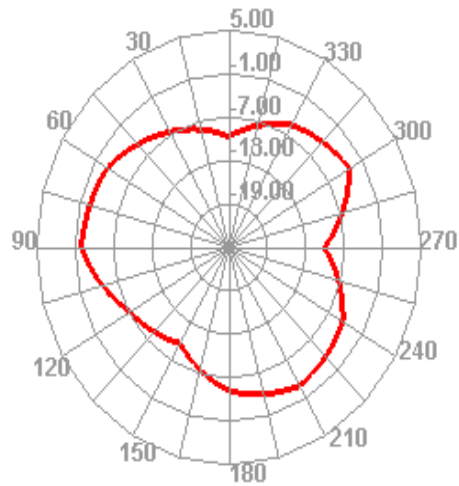
2400.000MHz E2



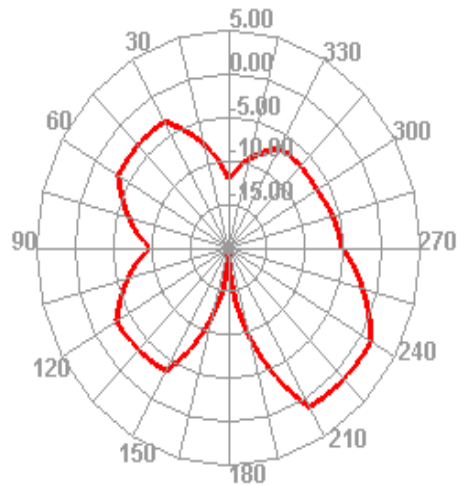
2450.000MHz



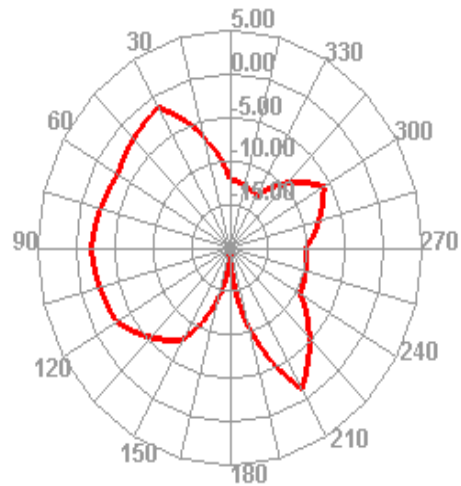
2450.000MHz H



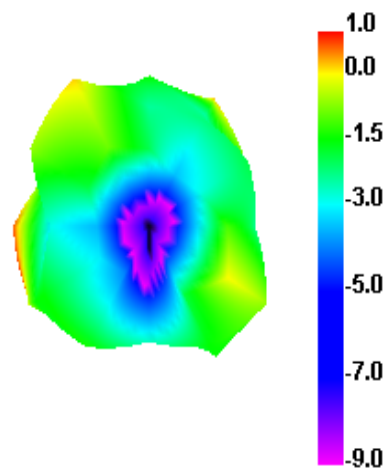
2450.000MHz E1



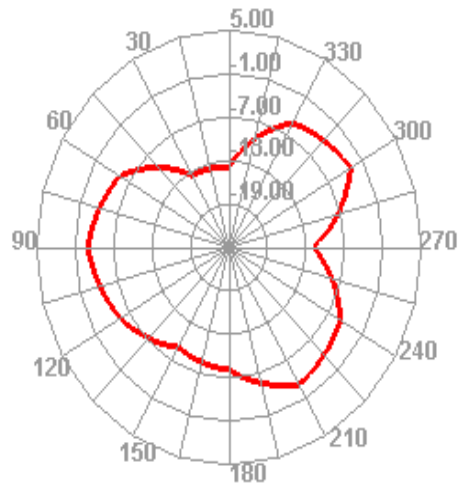
2450.000MHz E2



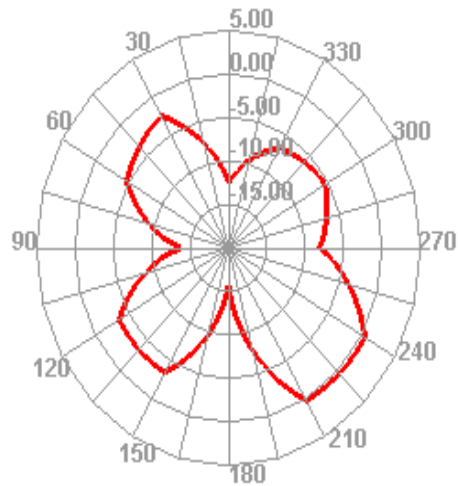
2500.000MHz



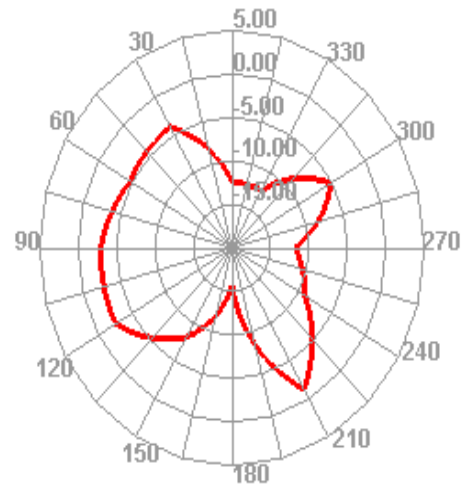
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



Antenna assembly position

