



深圳市华创翔科技有限公司

SHEN ZHEN WACOSUN TECHNOLOGY CO, LTD

产 品 规 格 书

PRODUCT SPECIFICATION SHEET

Customer Name : Foshan Hengwei Electronic Technology Co., Ltd

Product Name : Wifi Antenna L=70mm

Customer Name : FPC wifi Antenna

Material Number :

Sample Date : 2023-11-30

Project Confirmation :

核准	工程	制作	签章
Approval	Quality	Engineer	

客户确认:

核准	研发	品质	签章
确认结果 : ☐ 合格 ☐ 不合格 ☐ 其它			



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List of items in the Acknowledgment

Item	Description
1.....	Acknowledging the book cover
2.....	List of items in the Acknowledgment
3.....	Drawing surfaces
4.....	Electrical test report



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RF Antenna Cable Assembly

Specification

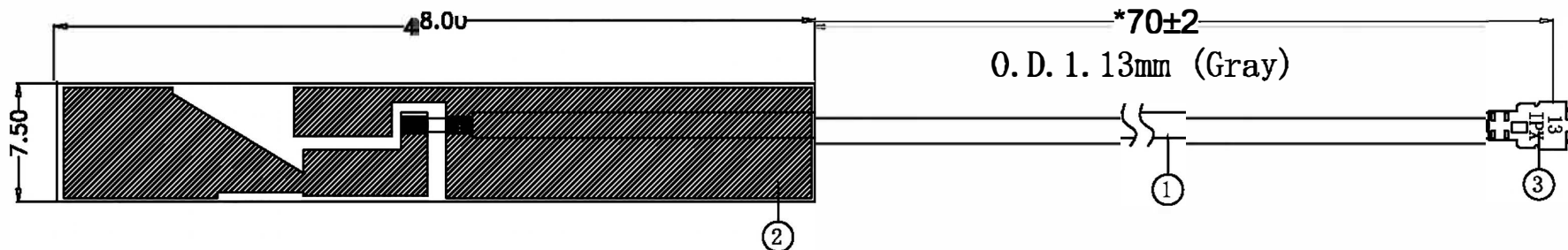
1. Electrical Properties

- 1.1 Frequency Range.....2.4GHz-2.5GHz
- 1.2 Impedance.....50 Ω Nominal
- 1.3 VSWR.....1.92:1MAX
- 1.4 Return Loss.....-10dB Max
- 1.5 Gain(peak)4dBi
- 1.6 Cable loss.....0.7dBi Max
- 1.7 Polarization.....Linear Vertical
- 1.8 Admitted Power.....2W
- 1.9 Cable.....0. D 1.13mm
- 1.10 Conn.....MHF(IPEX)

2. Physical Properties:

- 2.1 Antenna Material.....FPC
- 2.4 Operating Temp.....-20 $^{\circ}$ C- +65 $^{\circ}$ C
- 2.5 Storage Temp.....-30 $^{\circ}$ C- +75 $^{\circ}$ C

***70±2**
O.D. 1.13mm (Gray)



Technical requirements:

1. The core conductor must not be broken or missing
2. impedance : 50 ohms
3. There should be no short circuit, and there should be no scratches on the surface of the coaxial cable
4. the terminal is a class I F IPX terminal to ensure product quality, and the product pull-out force should be achieved
5. 1. 2KGf.

Specification:

Frequency Rang:2.4-2.5GHz
Return Loss:-10dB or less
VSWR:1.4 dB Max
Gain:4 dBi

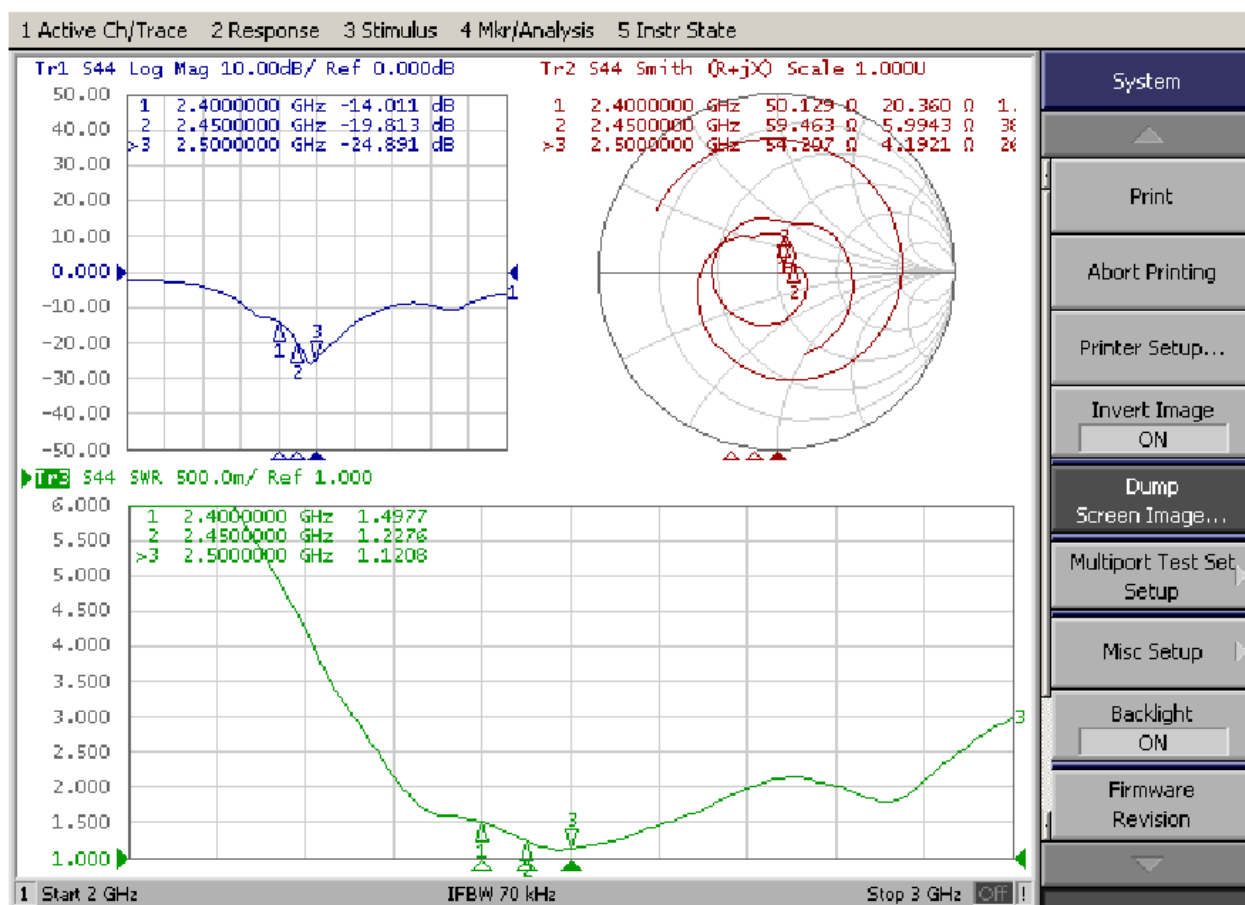
3	Connector	1	MHF Au Plating
2	FPC	1	L48*W7.5*T0.19MM
1	Coaxial Cable	1	O.D. 1.13mm (Gray)
NO	PART NAME	Q'TY	DESCRIPTION

				TOLERANCE		 华创翔科技 HUACHUANG TECHNOLOGY		TITLE: Wifi Antenna L=70mm MHF CABLE				
				LINEAR	ANGLES			PART NO. HCX-F241B.2116				
				X.±0.40	X°.±			DWG NO. HCX0210-001				
				.X±0.30	.X°.±			APPD: Jason	MAT'L:			
A		Kevin	2023/10/15	.XX±0.20	.XX°.±	CHKD: Schumi	FINISH:		UNITS	SCALE	SHEET	REV
REV	ECN NO.		DATE	.XXX±0.10	.XXX°.±	DRWN: Terry	Q'TY:		MM	1 : 1	1 OF 1	A

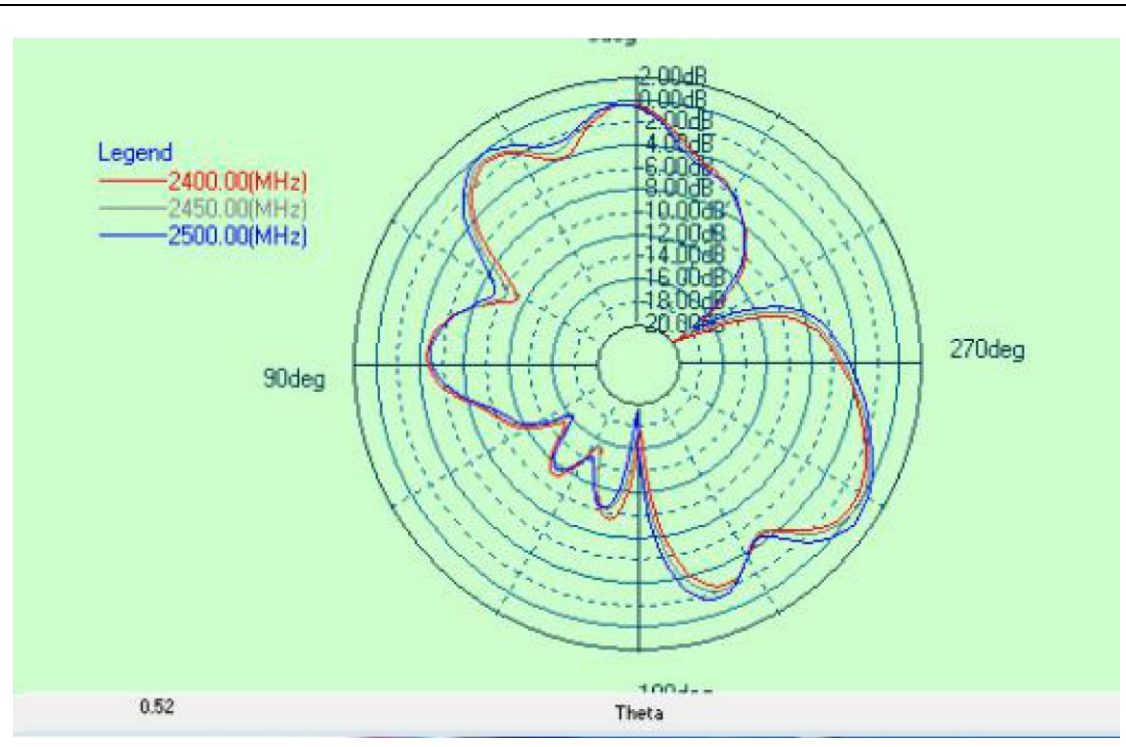
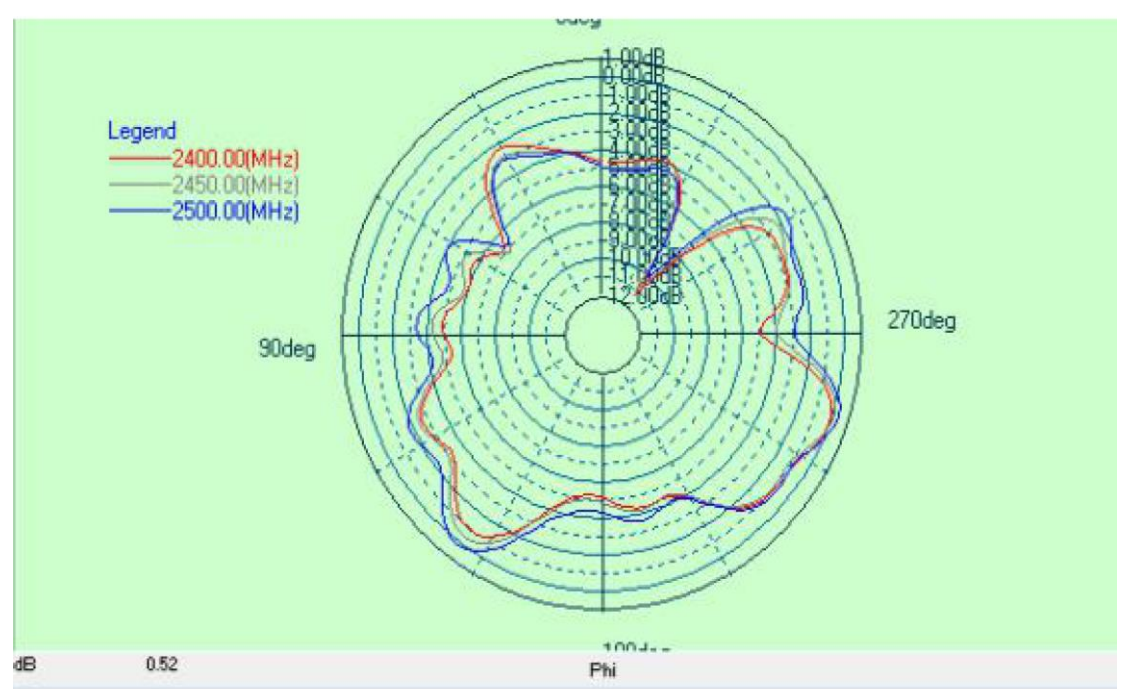
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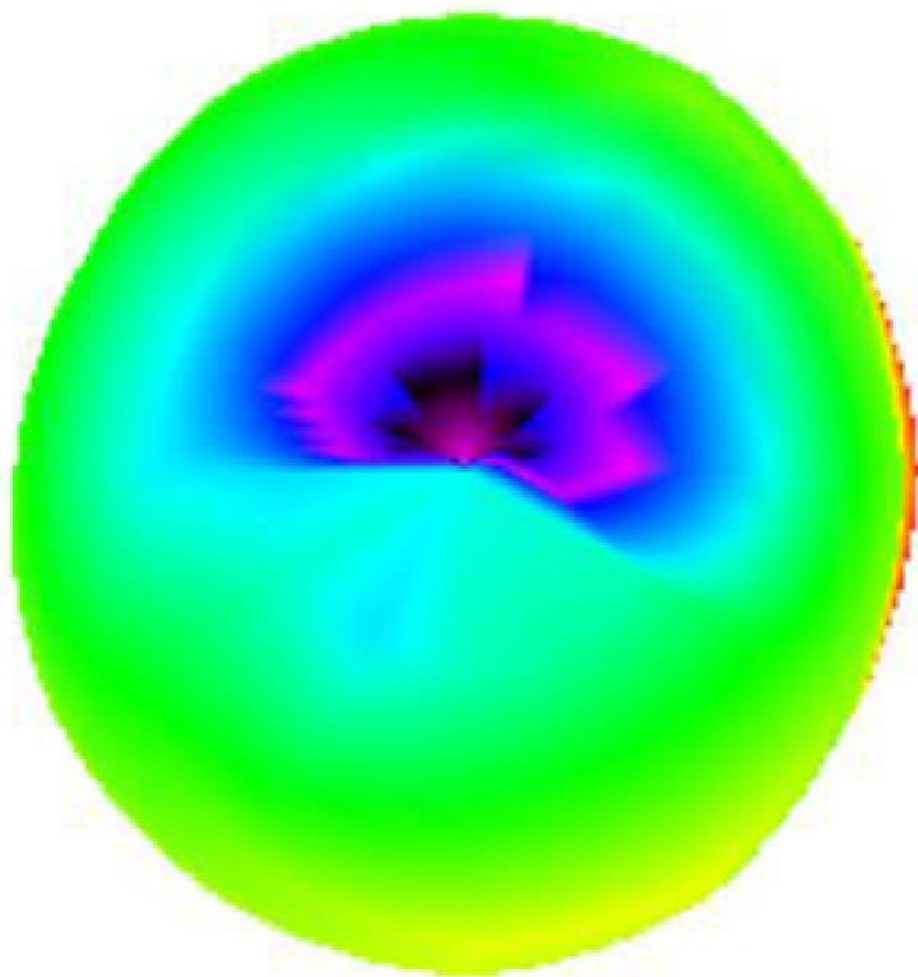
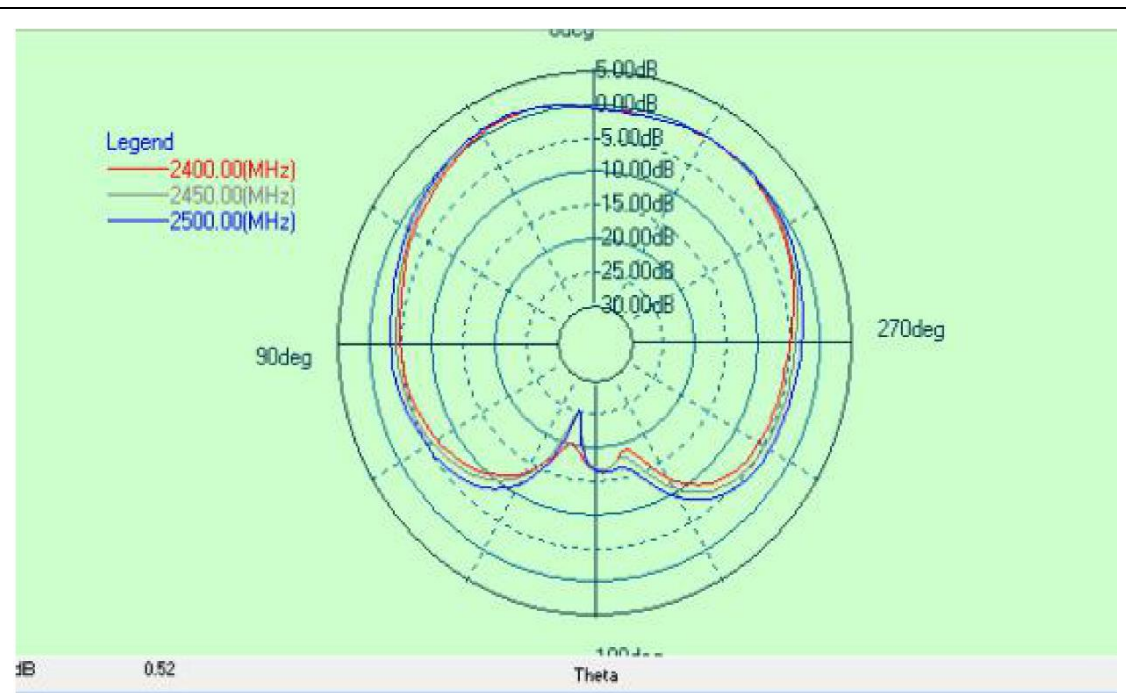
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RF Antenna Assembly
SPEC:2.4~2.5GHz



Direction:







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~END~