

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

客 户 名 称 : 成都 有限公司

产 品 名 称 : 2.4G FPC 软天线, 天线尺寸约为 20*8.5mm, 1.26dBi,
带背胶, 射频线长度150mm, 一端为 IPEX 端子

产 品 料 号 : 424-0001

客 户 料 号 : N/A

送 样 日 期 : 2021-6-18

工程确认:

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			



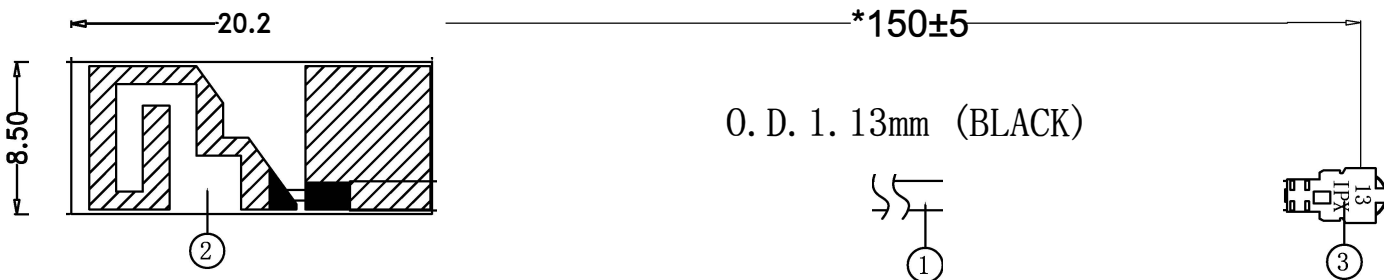
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Item List of Acknowledgement

Item	Description
1.....	Admit book cover
2.....	Item List of Acknowledgement
3.....	Engineering drawing
4.....	Electrical test report

WWW.WACOSUN.COM



技术要求:

1. 芯线导体不能断或缺少
2. 阻抗: 50 欧姆
3. 不可有短路, 同轴线表面不能有刮伤
4. 端子为MHF IPEX端子, 确保产品品质, 产品拉拔力要达到1.2KGf.

3	Connector	MHF Au Plating
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2	FPC	L20.2*W8.5
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	Coaxial Cable	O.D. 1.13mm (BLACK)
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NO	PART NAME	Q'TY	DESCRIPTION
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TOLERANCE	
LINEAR	ANGLES
X.±0.40	X°.±
.X±0.30	.X°.±
.XX±0.20	.XX°.±
.XXX±0.10	.XXX°.±



华创翔科技
HUACHUANGXIANGTECHNOLOGY

APPD: Jason MAT'L:

CHKD: Schumi FINISH:

DRWN: Terry Q'TY:

TITLE:
Wifi Antenna L=150mm MHF CABLE

PART NO. 424-0001

DWG NO. HCX424-0001

UNITS	SCALE	SHEET	REV
MM	1 : 1	1 OF 1	A

CUSTOMER

A	Kevin	2021/6/11
REV	ECN NO.	DATE
2		



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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)1.26dBi
- 1.6 Cable loss.....0.3dBi Max
- 1.7 Polarization.....Linear Vertical
- 1.8 Admitted Power.....2W
- 1.9 Cable.....0. D 1.13mm
- 1.10 Conn.....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
- 2.6 Color.....BLACK

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RF Antenna Assembly

SPEC:2.4~2.5GHz The following test data is obtained from the data after the whole machine test. It is only for the test products

For reference only

一. 驻波比 (V. S. W. R)



Frequency(MHZ)	VSWR
2400	1.64
2450	1.48
2500	1.46

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二. 效率(Efficiency)

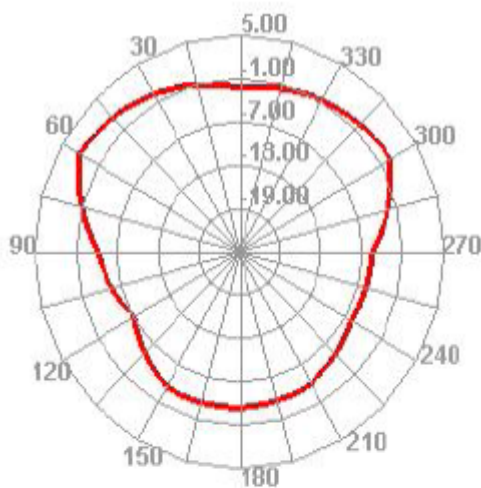
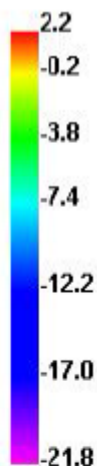
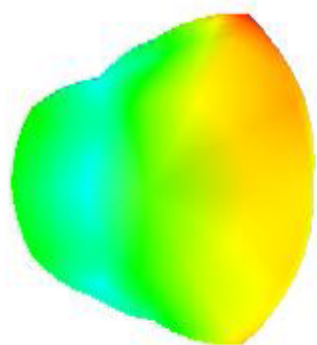
Frequency	Efficiency (%)	AverageGAIN(d B)	Peak GAIN (dBi)
2400	40.43	-4.23	1.33
2450	41.43	-3.85	1.26
2500	39.21	-4.07	1.42

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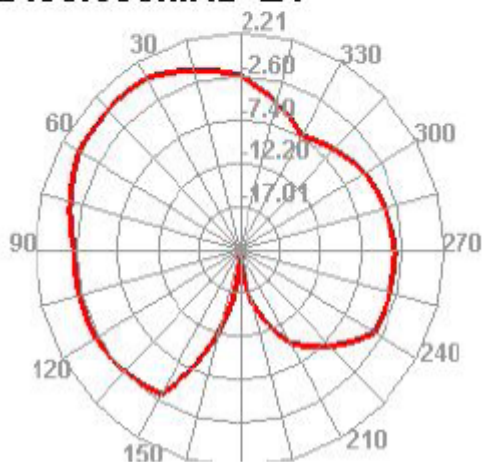
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3D pattern(WiFi 频段中间频点 2450MHz)

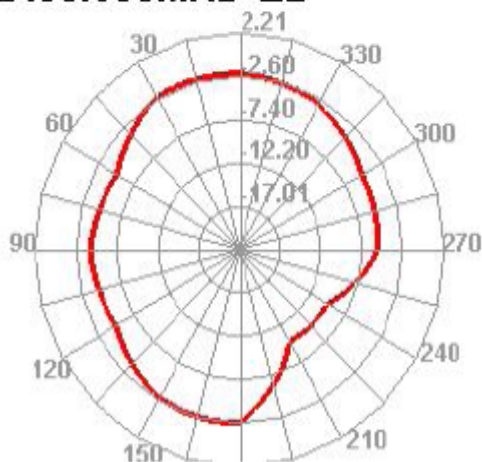
2450.000MHz



2450.000MHz E1



2450.000MHz E2





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~END~