

深圳市云顶通讯电子有限公司

Shenzhen Yunding Communication Electronics Co., Ltd

TEL: +86 0755-23073599

FAX: +86 0755-23097189

E-mail:wht0809@163.com

承認書 APPROVAL

客 户
:

菲森科技

品 名 规 格

DESCRIPTION:

5150-5850MHZFPC 天线

料 号

PART NO.:

YD-ARWIFI-5748

客 户 料 号

CUS PART NO.:

日 期

D A T E:

2023. 03. 30

云顶呈样签章

工 程 ENGINEERING DEPARTMENT	品 保 Q C DEPARTMENT	业 务 SALES DEPARTMENT

客户承认签章

工 程 ENGINEERING DEPARTMENT	品 保 Q C DEPARTMENT	采 购 PURCHASING DEPARTMENT

联系电话: 0755 23073599 15017941162

※ 承认书一式三份, 惠蒙贵司承认签章

※ Approval in duplicate, please signed by your company.

地址: 深圳市宝安区西乡街道三围南路 1 号锦驰中心三楼 3015 号

No. 3015, 3rd Floor, Jinchi Center, No. 1, Sanwei South Road, Xixiang Street, Bao'an District, Shenzhen

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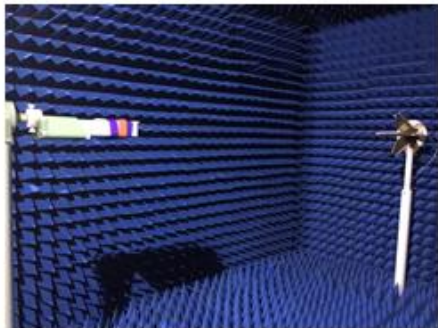
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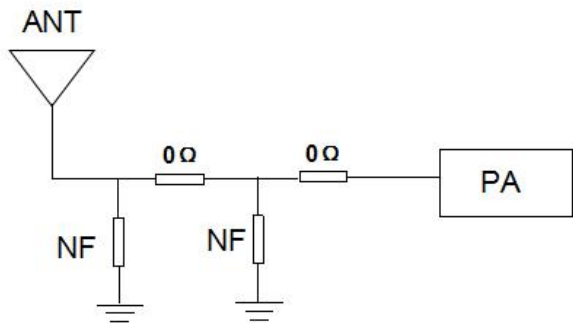
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1.测试项目与设备

	测试项目	设备
1. S11 参数 (S-parameter)	1. 回波损耗 (Return Loss) 2. 电压驻波比 (VSWR)	网络分析仪: Agilent E5071B HP 8753D
2. 有源测试 (Active)	1. 发射功率 (TRP) 2. 接收灵敏度 (TIS)	1. 暗室: ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2. 综合测试仪: Agilent 8960 E5515B x2 StarPoint SP6011
3. 无源测试 (Passive)	1. 天线增益 (Gain) 2. 天线效率 (Efficiency)	1. 暗室: ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2. 网络分析仪: Agilent E5071B HP 8753D



2.匹配电路-天线:



我司未对匹配电路做任何修改

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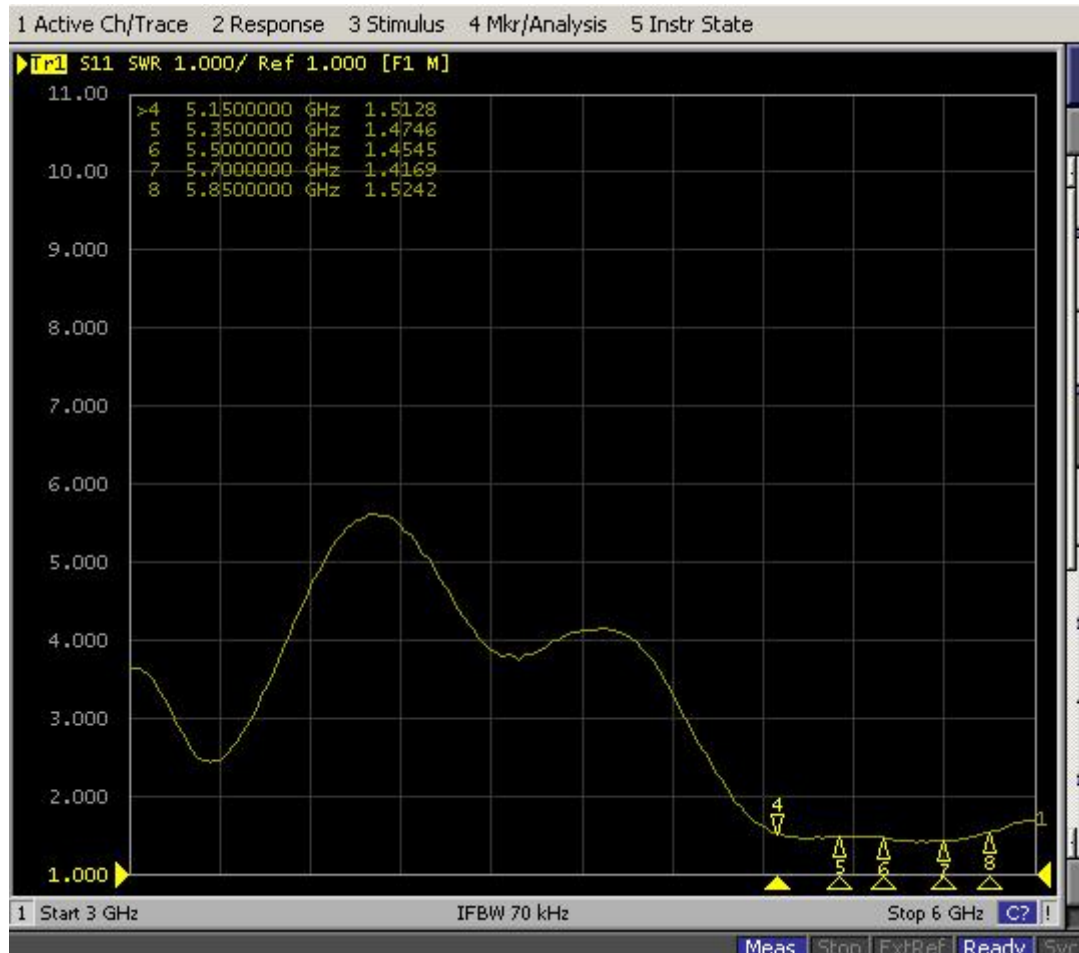
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3. 天线性能-VSWR（驻波比）-数据分析



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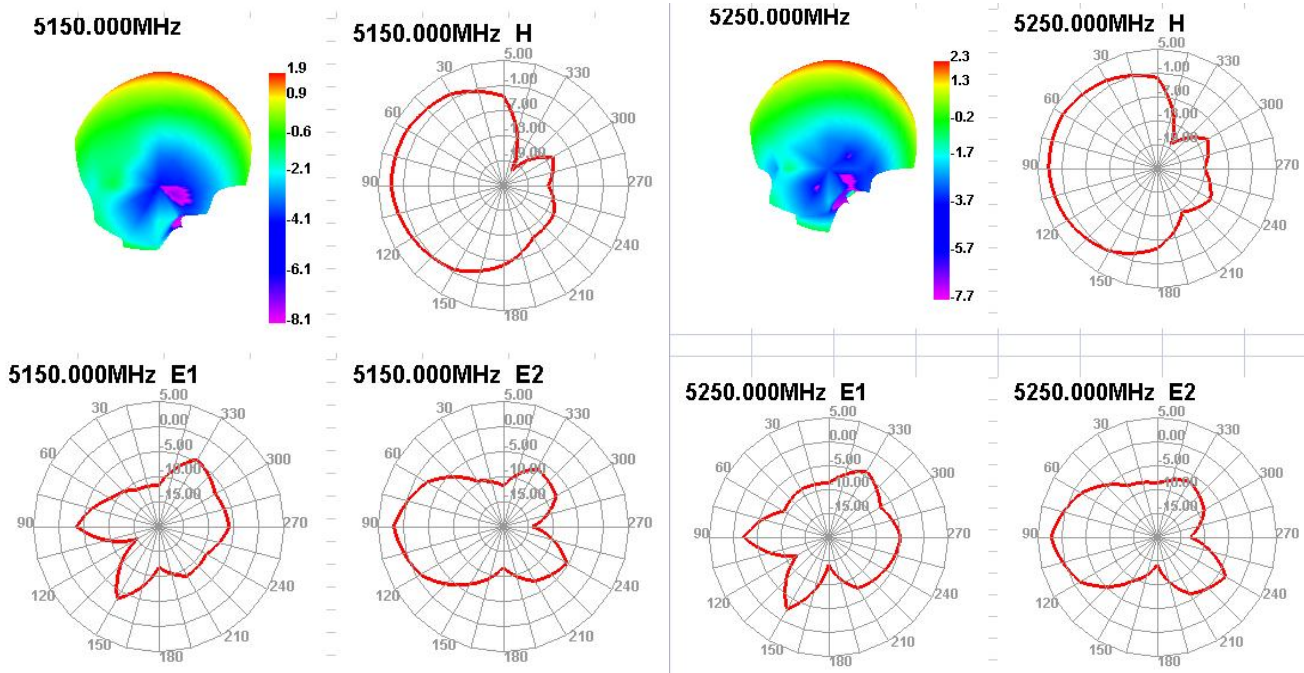
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4. 效率增益:

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	33.24	-4.78	1.85
5200	35.79	-4.46	2.05
5250	38.93	-4.1	2.25
5300	38.39	-4.16	2.15
5350	42.56	-3.71	2.38
5400	48.74	-3.12	2.71
5450	45.94	-3.38	2.18
5500	43.06	-3.66	1.71
5550	45.08	-3.46	1.81
5600	49.17	-3.08	2.58
5650	52.11	-2.83	3.41
5700	54.17	-2.66	3.73
5750	54.67	-2.62	3.84
5800	55.94	-2.52	3.81
5850	58.52	-2.33	4.02



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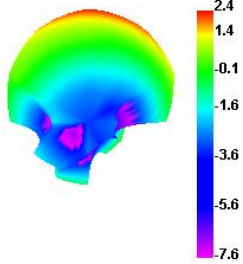
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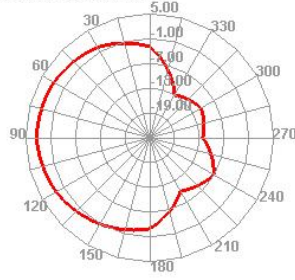
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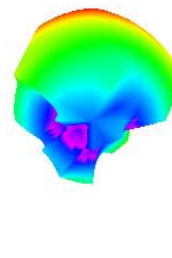
5350.000MHz



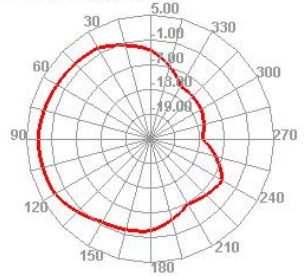
5350.000MHz H



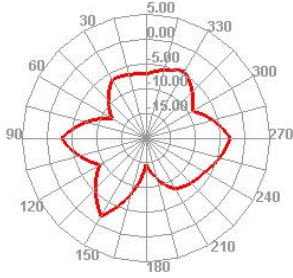
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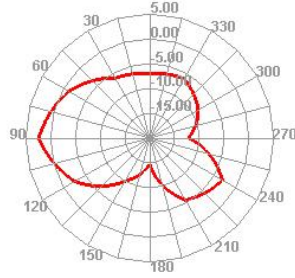
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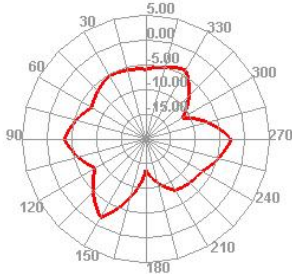
5350.000MHz E1



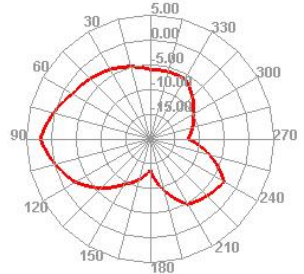
5350.000MHz E2



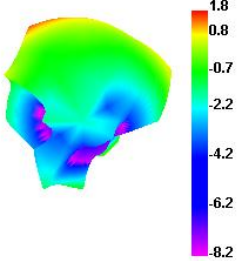
5450.000MHz E1



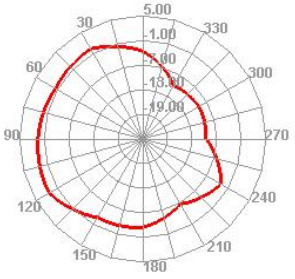
5450.000MHz E2



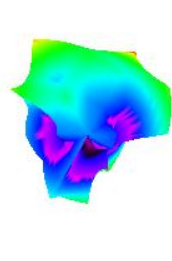
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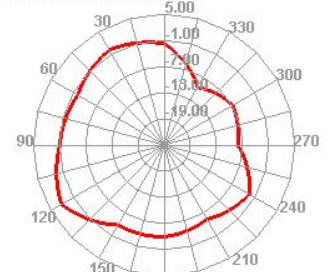
5550.000MHz H



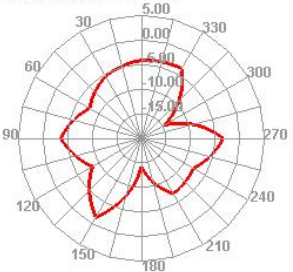
5650.000MHz



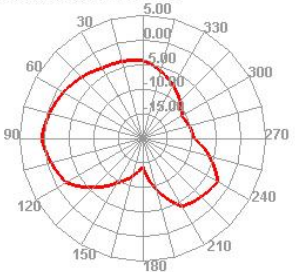
5650.000MHz H



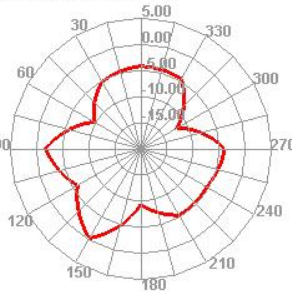
5550.000MHz E1



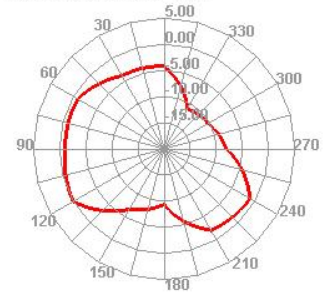
5550.000MHz E2



5650.000MHz E1



5650.000MHz E2



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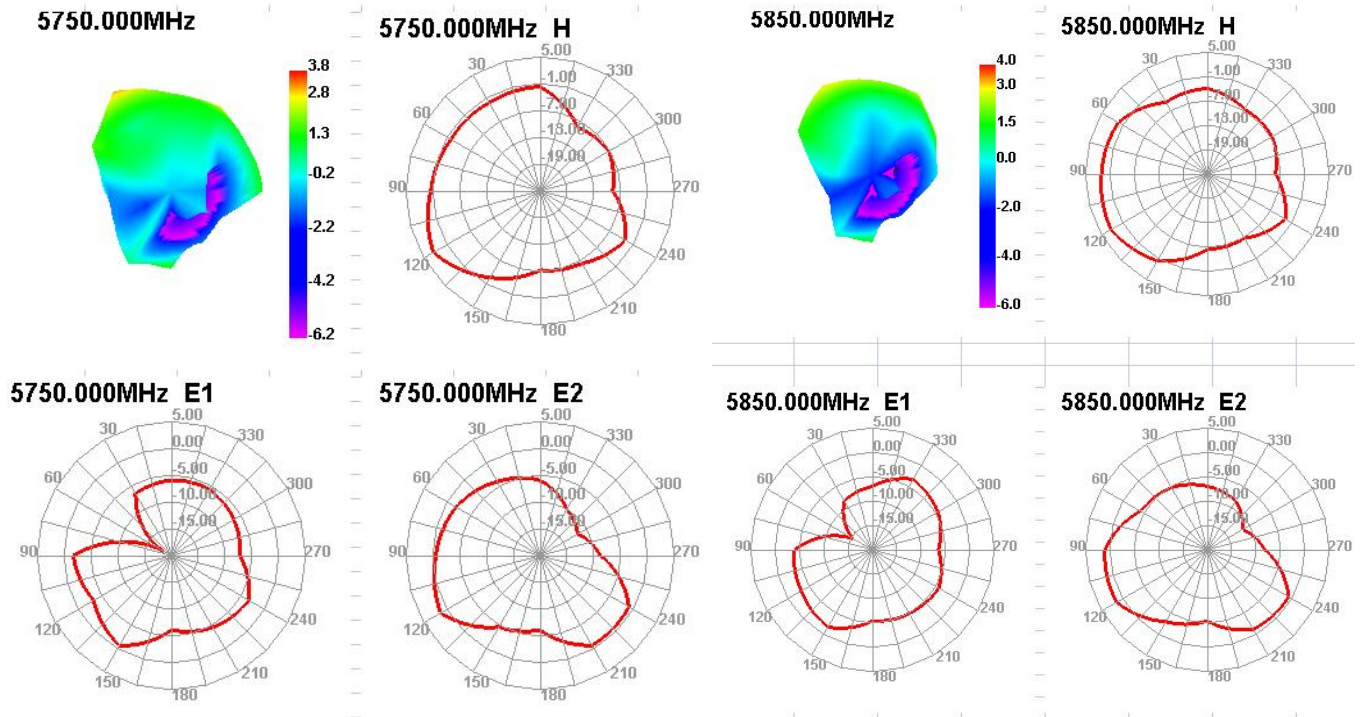
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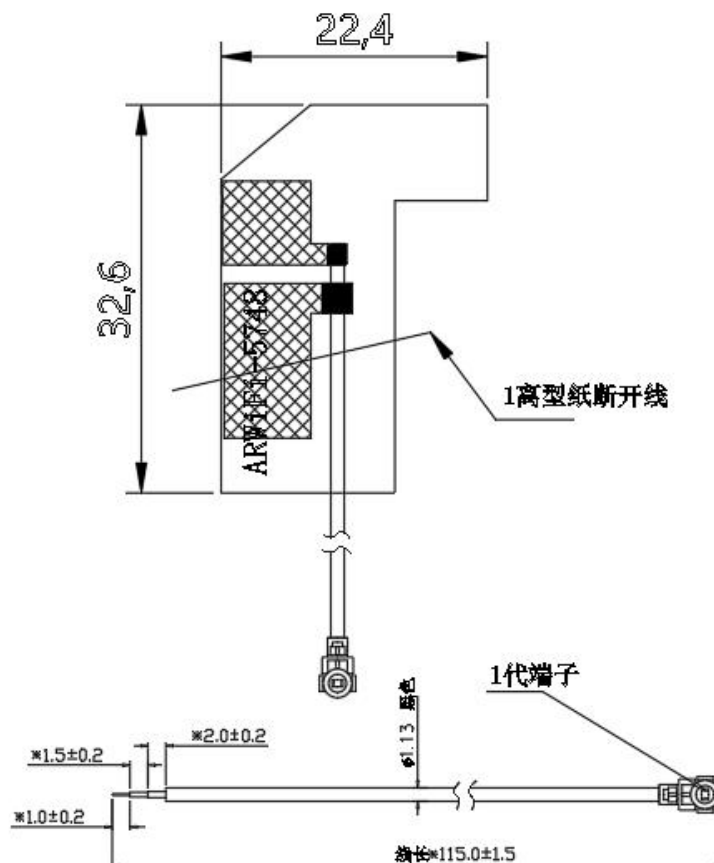
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5. 天线结构图:



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电器技术参数			
电 性 能 指 标		Electrical Specifications	
频率范围	5150-5850MHZ	Frequency Range	5150-5850MHZ
电压驻波比	≤2.0	VSWR	≤2.0
增益	3 DBI	Gain	3 DBI
输入阻抗	50 Ω	Input Impedance	50 Ω
最大输入功率	20W	Maximum Input Power	20W
机 械 指 标		Mechanical Specifications	
天线颜色	黑色	Antenna Color	BLACK
接口形式	焊接	Input connector	Welding
天线长度	115mm	Cable length	115mm
工作温度	-40℃~+85℃	Working Temperature	-40℃~+85℃
工作湿度	20~80%	Working Humidity	20~80%