

深圳市云顶通讯电子有限公司

Shenzhen Yunding Communication Electronics Co., LTD

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承認書 APPROVAL SHEET

客 户 : 丰唐物联
(Fantem Technologies (Shenzhen) Co.,Ltd)

品 名 规 格 : YD-多路传感器-弹簧天线
DESCRIPTION: (YD-Multichannel Sensor-Spring Antenna)

料 号 :
PART NO.:

客 户 料 号 :
CUS PART NO.:

日 期 : 2026-2-2
D A T E:

云顶呈样签章 (Yunding signature)

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

客户承认签章 (Customer signature)

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

联系电话 (TEL) : 0755 23073599

※ 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: 深圳市宝安区航空路锦驰中心 3015

Address :3015, 3rd Floor, No. 1 Sanwei South Road, Bao 'an District, Shenzhen City, Guangdong Province

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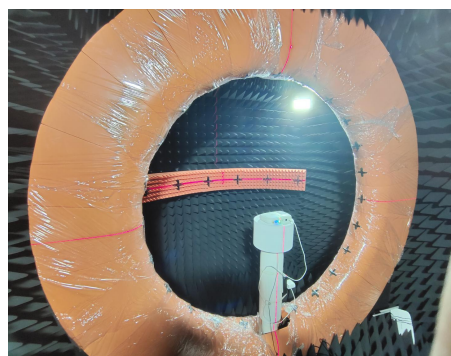
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1. 测项目与设备 (Test items and equipment) :

	测试项目 (Test items)	设备 (Equipment)
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 (network analyzer) : Agilent E5071B HP 8753D
2. 有源测试 (Active)	1. 发射功率 (TRP) Transmitting power 2. 接收灵敏度 (TIS) Receiving sensitivity	1. 暗室 (Darkroom) : ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2. 综合测试仪 (general-purpose teste) : Agilent 8960 E5515B ×2 StarPoint SP6011 Cmw500
3. 无源测试 (Passive)	1. 天线增益 (Gain) 2. 天线效率 (Efficiency)	1. 暗室 (Darkroom) : ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2. 网络分析仪 (network analyzer) : Agilent E5071B HP 8753D



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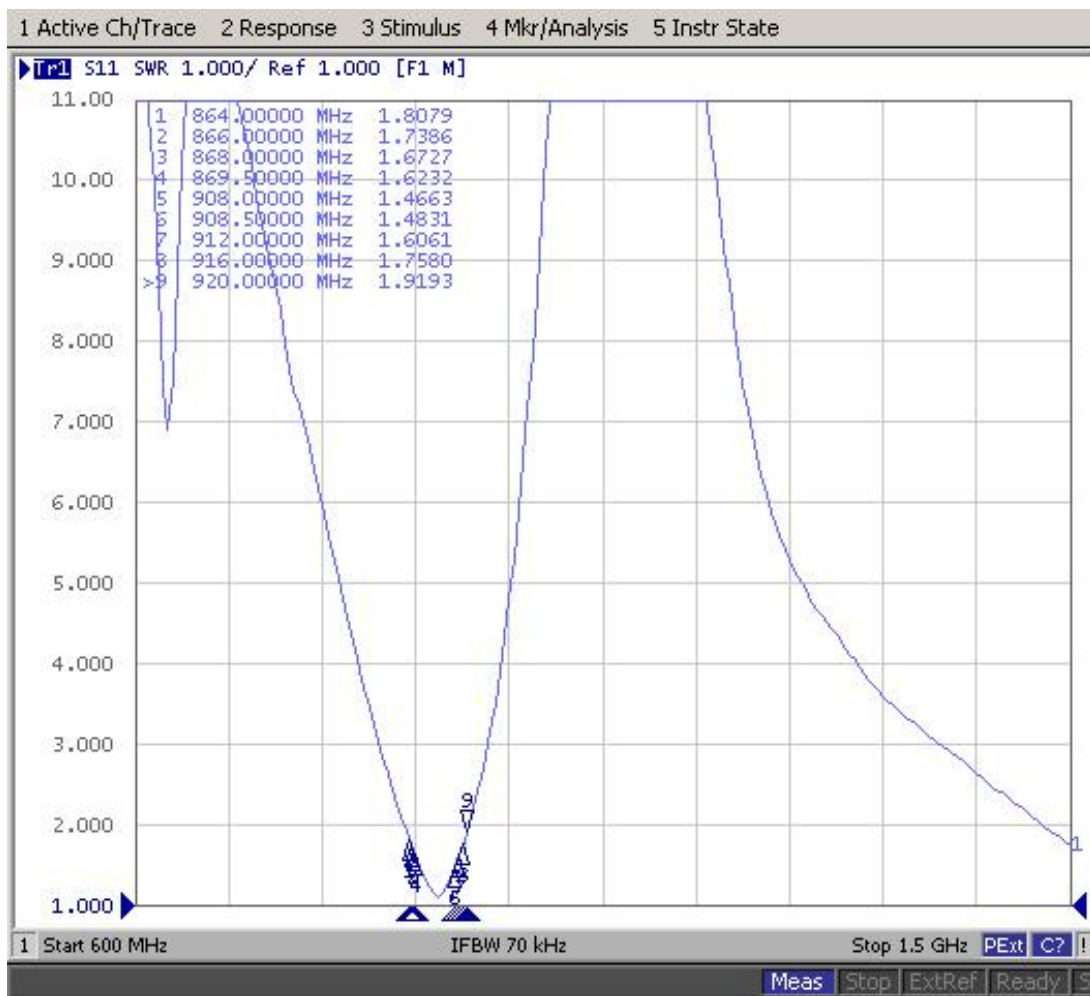
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2. 天线性能 SWR (Antenna performance SWR) :



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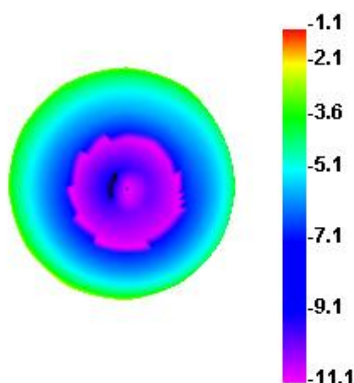
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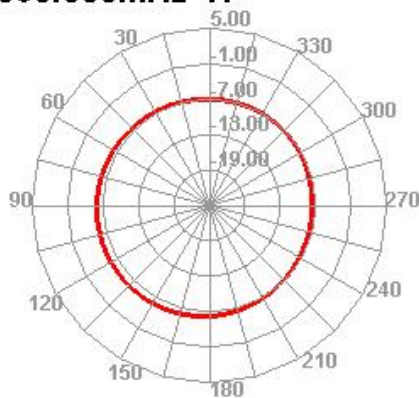
3. 天线效率与增益 (Antenna efficiency and gain) :

Passive Test For 低频		
Freq (MHz)	Effi (%)	Gain (dBi)
860	28.06	-1.12
864	29.16	-0.28
866	27.3	-1.35
868	28.35	-0.93
869	27.31	0.06
869.5	28.34	-0.04
908	28.06	-1.12
908.5	28.06	0.32
912	26.64	-1.49
816	27.03	-1.3
920	26.06	-1.24

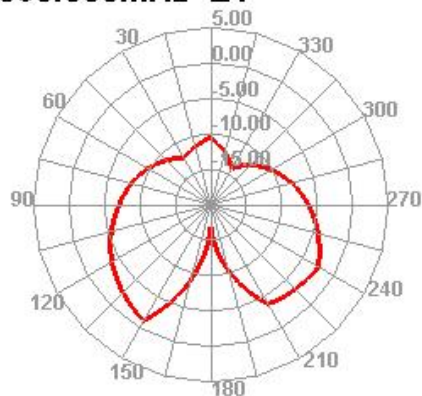
860.000MHz



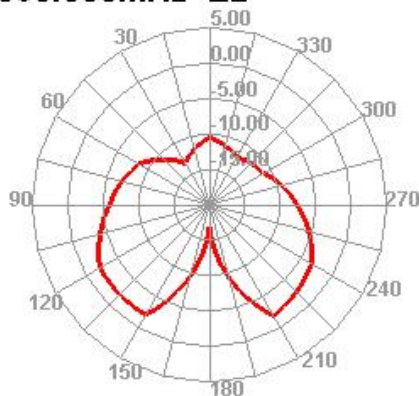
860.000MHz H



860.000MHz E1



860.000MHz E2



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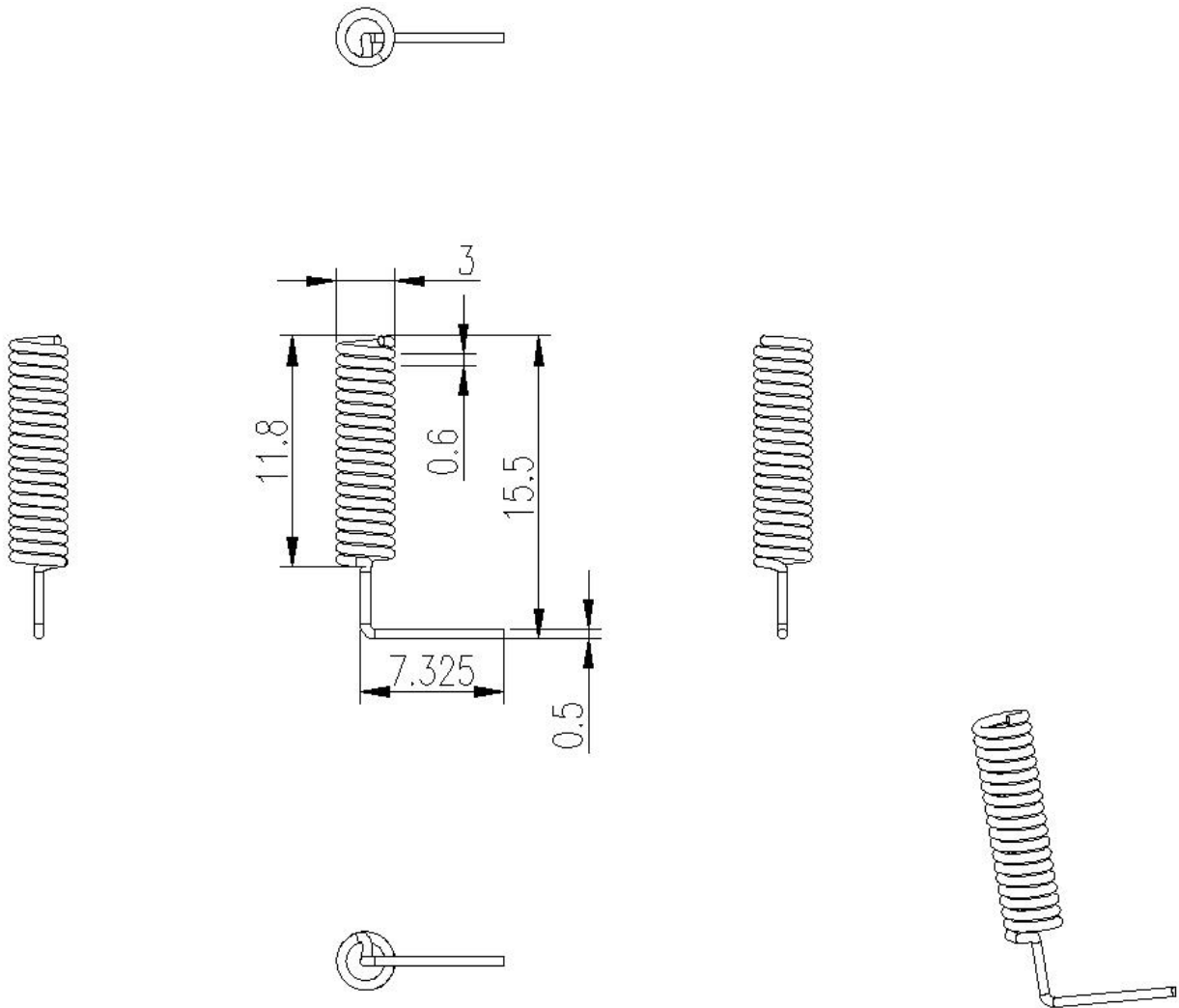
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4. 天线结构图 (Antenna structure diagram) :



材质镍线, 18.8圈, 线径0.5MM

Nickel Wire: 18.8 Turns 0.5mm Wire Diam.

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5. 天线装配图 (Antenna Assembly Drawing) :



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电器技术参数

Technical parameters of electrical appliances

电 性 能 指 标		Electrical Specifications	
频率范围	868~921MHz	Frequency Range	868~921MHz
电压驻波比	≤1.8/900MHz	VSWR	≤1.8/900MHz
输入阻抗	50 Ω	Input Impedance	50 Ω
最大输入功率	50W	Maximum Input Power	50W
机 械 指 标		Mechanical Specifications	
工作温度	-40℃~+85℃	Working Temperature	-40℃~+85℃
工作湿度	20~80%	Working Humidity	20~80%

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