

深圳市云顶通讯电子有限公司

Shenzhen Yunding Communication Electronics Co., LTD

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E-mail:wht0809@163.com

承認書
APPROVAL SHEET

客 户 深圳国伟科技有限公司
: (Shenzhen Gowin Solution Co., Ltd.)

品 名 规 格 FPC(EBZN)2.4-5.8G-0.81 线-L610MM-RF 四代
DESCRIPTION: (FPC(EBZN)2.4-5.8G-0.81-L610MM-RF Gen 4 Terminal)

料 号 YD-C03-1410
PART NO.:

客 户 料 号
CUS PART NO.:

日 期 2026-8-10
D A T E: (August 10, 2026)

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.

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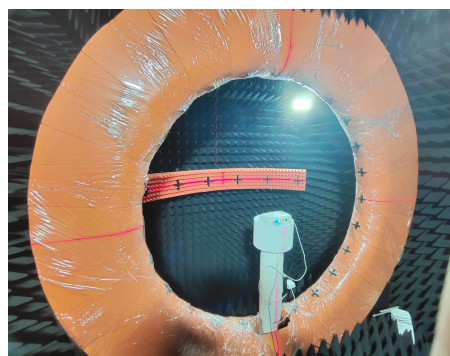
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1. 测项目与设备 (Test items and equipment) :

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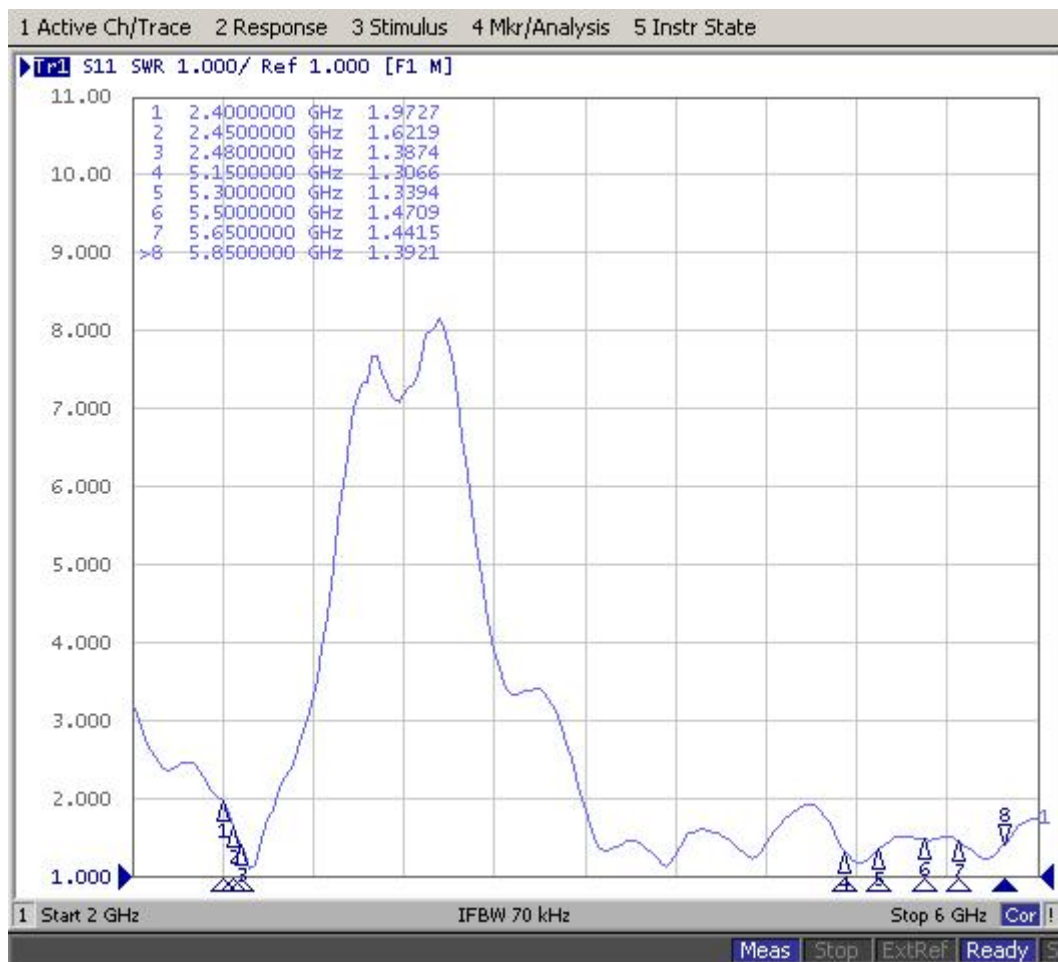
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2. 天线性能 SWR (Antenna performance SWR) :



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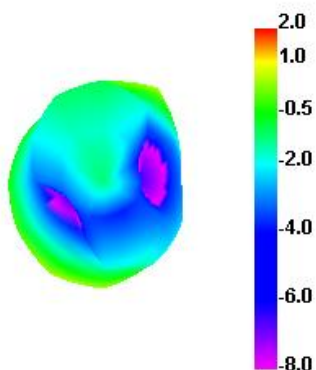
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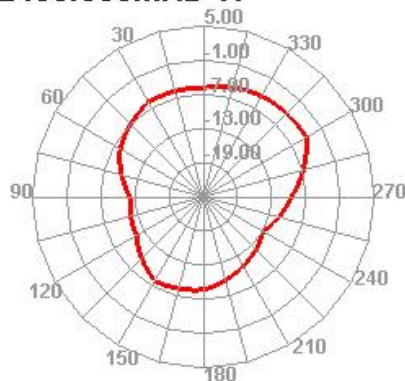
3. 天线效率与增益 (Antenna efficiency and gain) :

Passive Test For WIFI2.4		
Freq (MHz)	Effi (%)	Gain (dBi)
2400	44.93	1.95
2410	44.09	1.79
2420	40.31	1.43
2430	40.26	1.36
2440	42.99	1.6
2450	46.49	1.89
2460	45.39	1.62
2470	48.07	1.77
2480	49.25	1.73
2490	52.8	1.81
2500	53.65	1.84

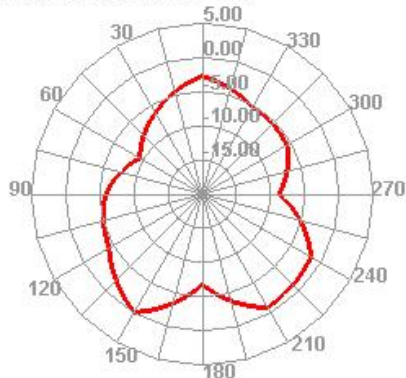
2400.000MHz



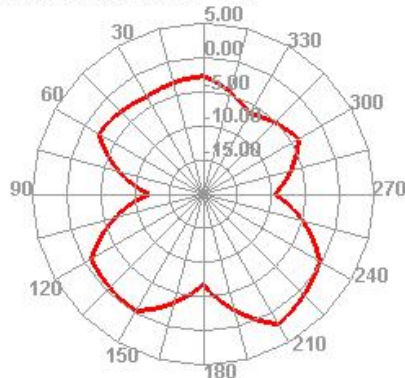
2400.000MHz H



2400.000MHz E1



2400.000MHz E2



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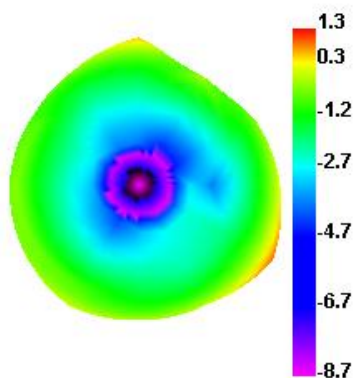
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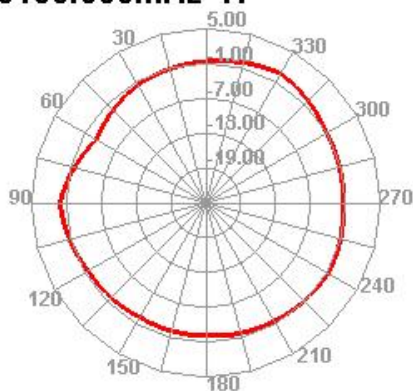
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Passive Test For WIFI5.8		
Freq (MHz)	Effi (%)	Gain (dBi)
5150	57.65	1.29
5200	52.36	0.76
5250	46.79	0.16
5300	49.36	0.4
5350	58.05	1.13
5400	65.74	1.8
5450	58.96	1.53
5500	60.61	1.74
5550	63.45	2.28
5600	60.14	2.21
5650	56.98	2.02
5700	56.92	1.78
5750	59.28	2.02
5800	54.71	1.05
5850	47.4	0.66

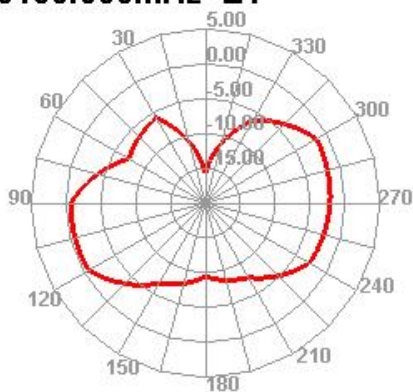
5150.000MHz



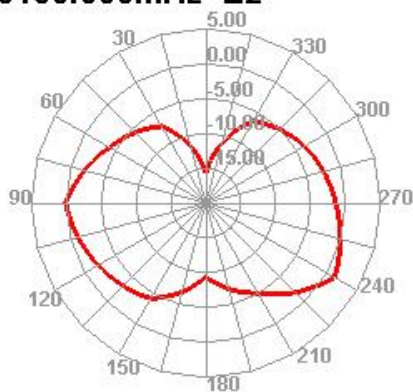
5150.000MHz H



5150.000MHz E1



5150.000MHz E2



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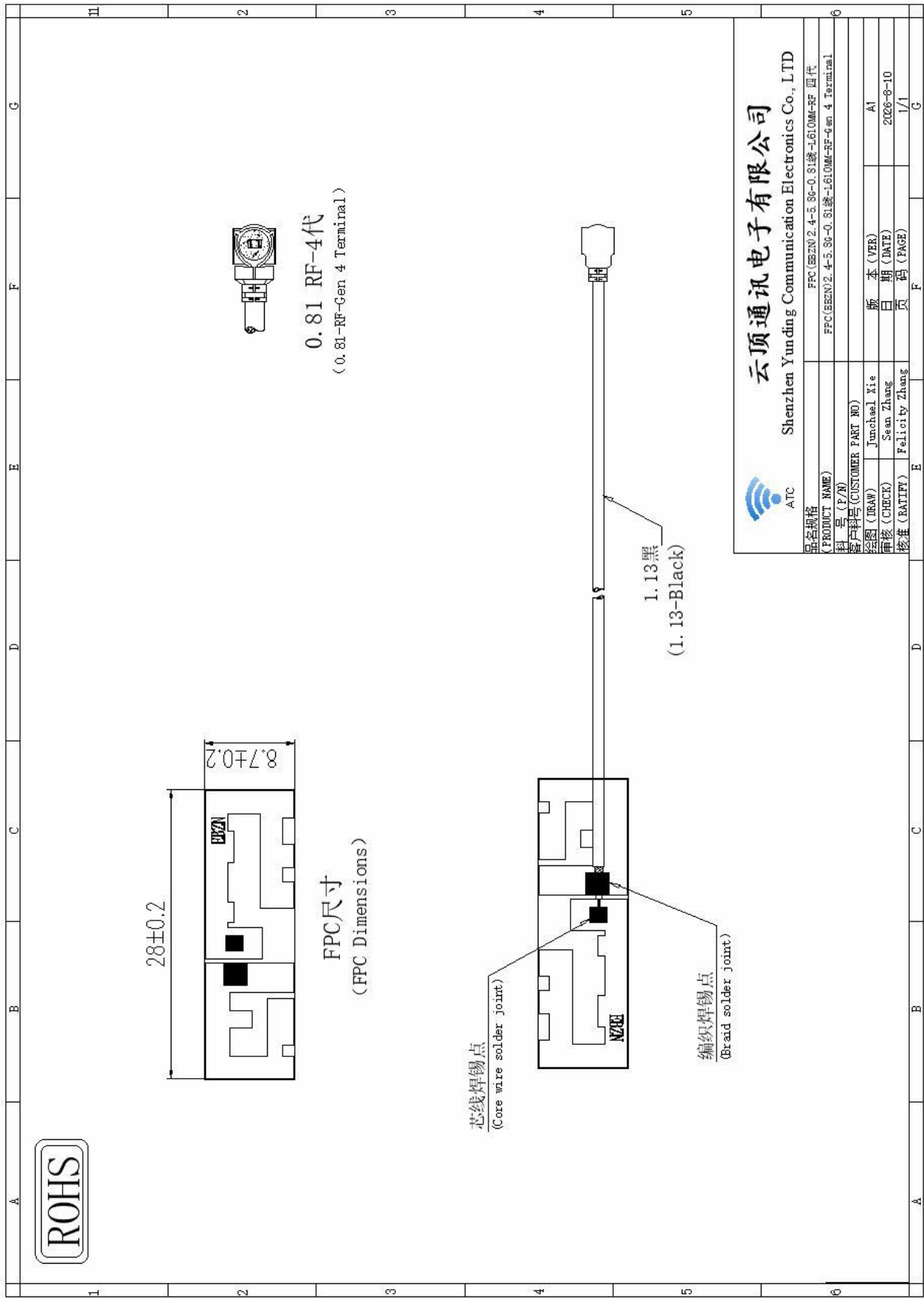
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4. 天线结构图 (Antenna structure diagram) :



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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	2400~2500/5150~5850MHz	Frequency Range	2400~2500/5150~5850MHz
电压驻波比	≤2.0	VSWR	≤2.0
输入阻抗	50 Ω	Input Impedance	50 Ω
最大增益	2.28 DBI	Maximum gain	2.28 DBI
最大输入功率	50W	Maximum Input Power	50W
机 械 指 标		Mechanical Specifications	
天线颜色	黑色	Antenna Color	BLACK
接口形式	RF 四代	Input connector	RF Gen 4 Terminal
天线线长	610 MM	Cable length	610 MM
工作温度	-40℃~+85℃	Working Temperature	-40℃~+85℃
工作湿度	20~80%	Working Humidity	20~80%

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