

深圳市云顶通讯电子有限公司

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E-mail:wht0809@163.com

承認書 APPROVAL

客 户
CUSTOMER:

玥芯通

品 名 规 格
DESCRIPTION:

KD915 弹片天线-WIFI2.4/5G /BT

料 号
PART NO.:

客 户 料 号
CUS PART NO.:

日 期
D A T E:

2021. 8. 3

云顶呈样签章

工 程 ENGINEERING DEPARTMENT	品 保 Q C DEPARTMENT	业 务 SALES DEPARTMENT
吴淑仪	刘丽	王洪涛

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.

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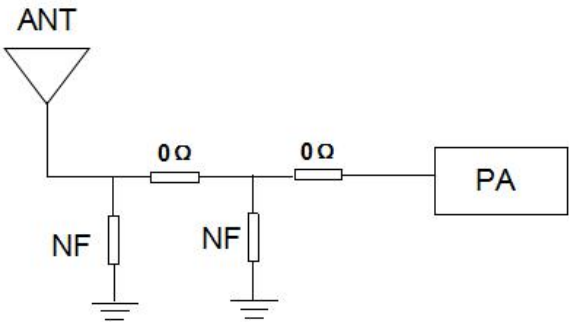
E-mail:wht0809@163.com

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 ×2 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-WIFI 天线:



我司未对匹配电路做任何修改

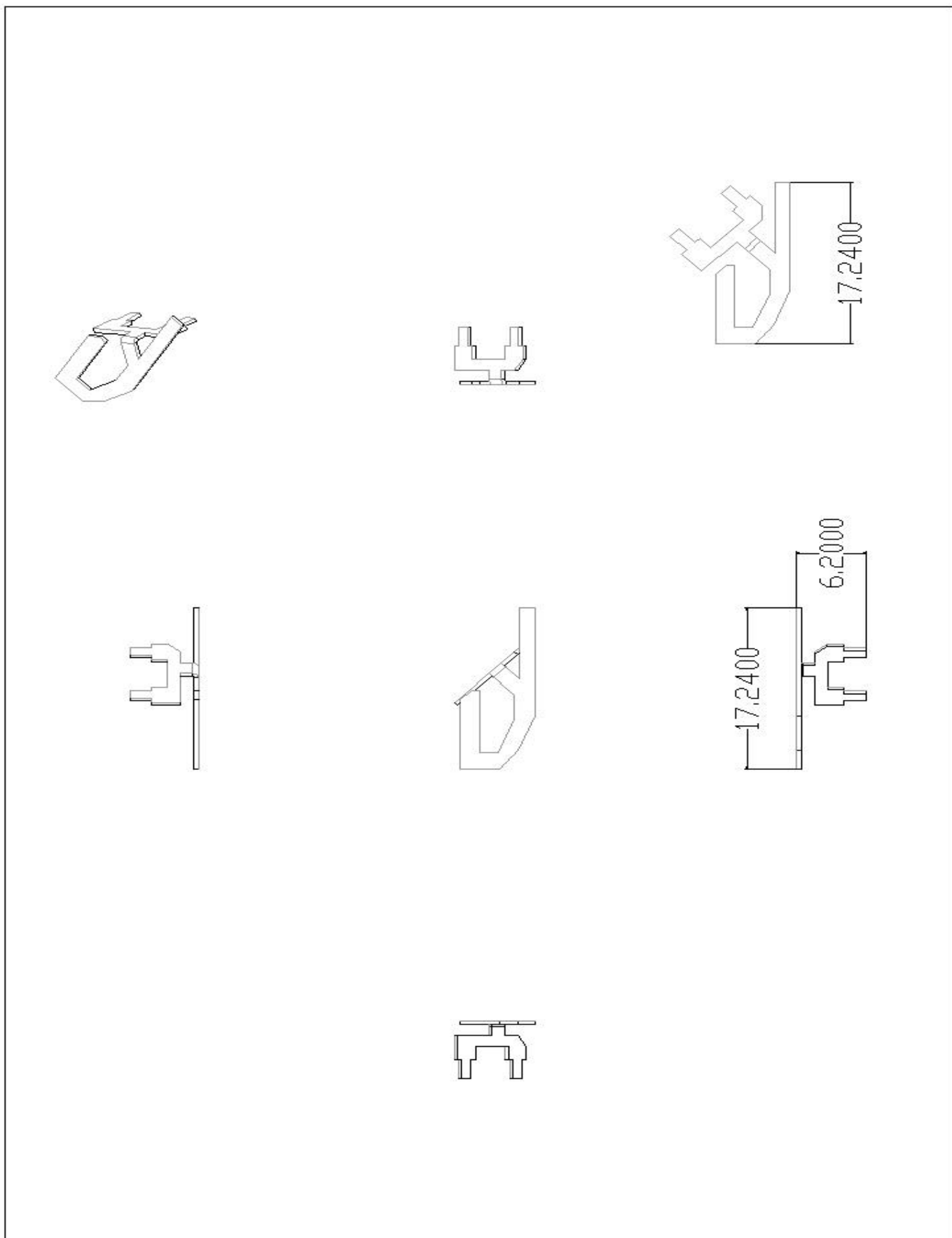
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3.天线结构图:



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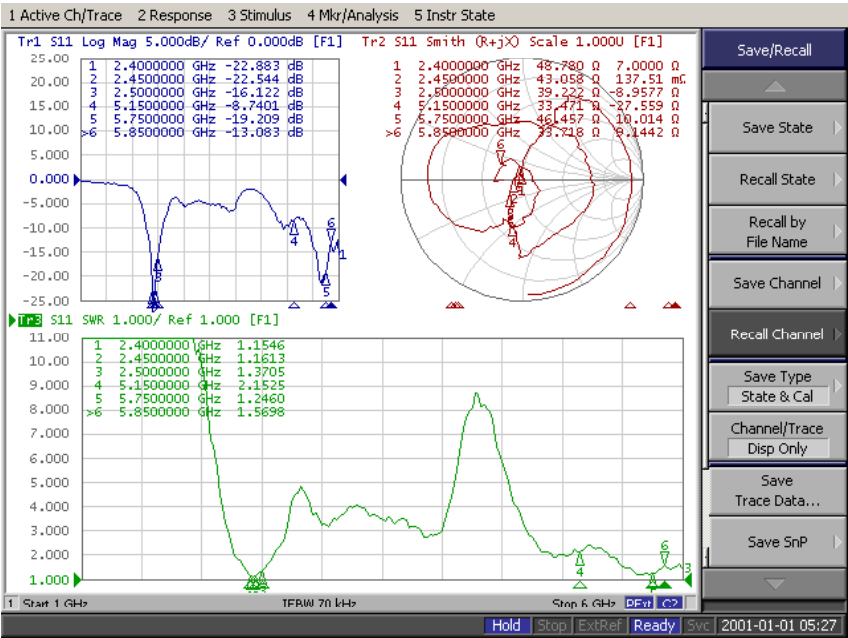
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4.天线网络测试图:

SWR 驻波比



参数规格

Electrical Properties	
Frequency	2.4GHz-2.5GHz/5.1GHz-5.9GHz
Impedance	50 ohm Nominal
V. S. W. R	2.0 Max
Return Loss	-20.00dB Max
Radiation	Omni-directional
Polarization	Linear, Vertical

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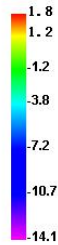
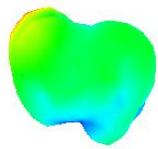
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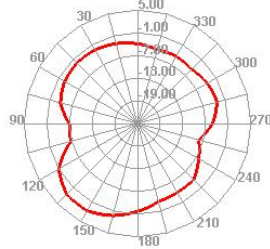
5. OTA-天线有源测试数据

Passive Test For wifi 2.4G / BT2.4G						
Freq	Effi	Effi	Gain	Gain	Max	Min
(MHz)	(%)	(dB)	(dBi)	(dBd)	(dB)	(dB)
2400	56.15	-2.32	1.81	-0.34	1.81	-14.23
2450	61.28	-2.10	2.14	-0.01	2.14	-14.05
2500	58.22	-2.49	1.74	-0.41	1.74	-15.21

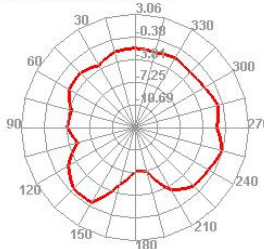
2400.000MHz



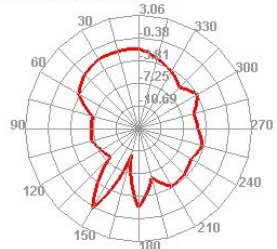
2400.000MHz H



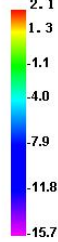
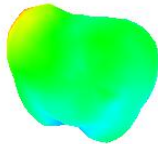
2400.000MHz E1



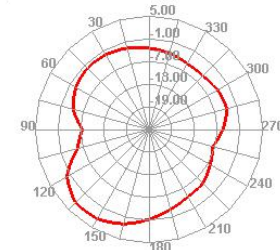
2400.000MHz E2



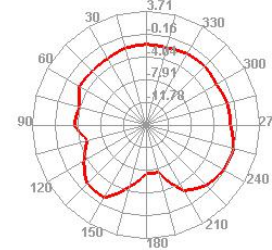
2450.000MHz



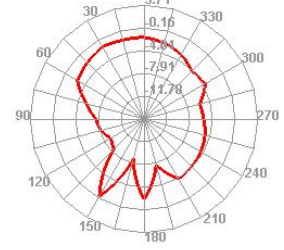
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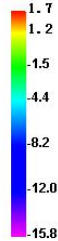
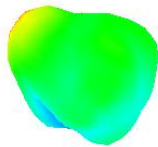
2450.000MHz E1



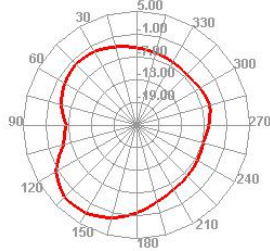
2450.000MHz E2



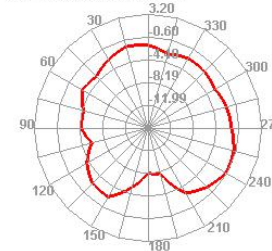
2500.000MHz



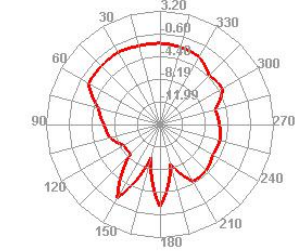
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



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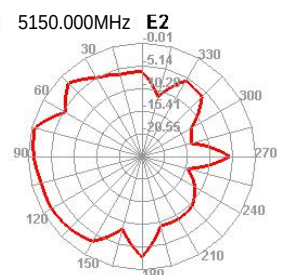
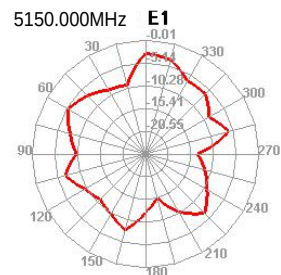
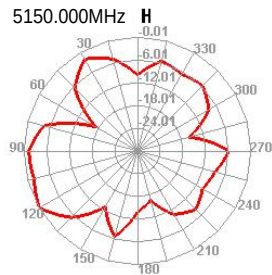
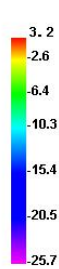
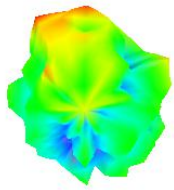
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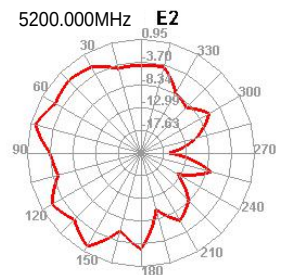
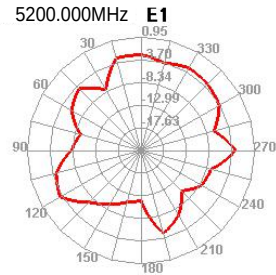
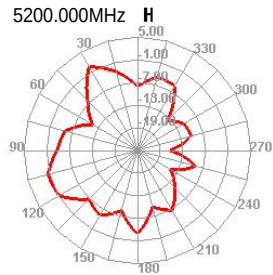
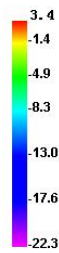
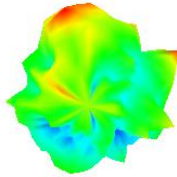
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Passive Test For wifi 5150-5250MHz						
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)
5150	51.13	-3.62	1.65	-1.17	1.75	-15.54
5200	56.04	-3.09	2.04	-0.89	2.04	-15.13
5250	53.57	-3.45	1.82	-1.32	1.82	-16.28

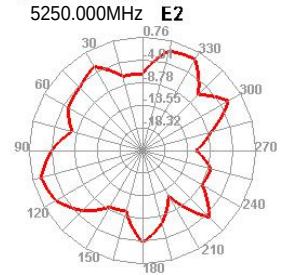
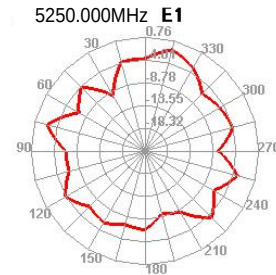
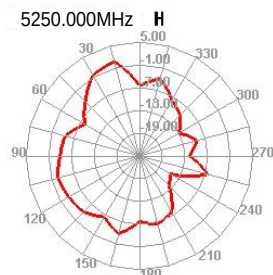
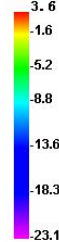
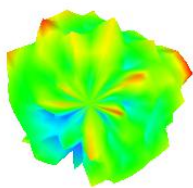
5150.000MHz



5200.000MHz



5250.000MHz



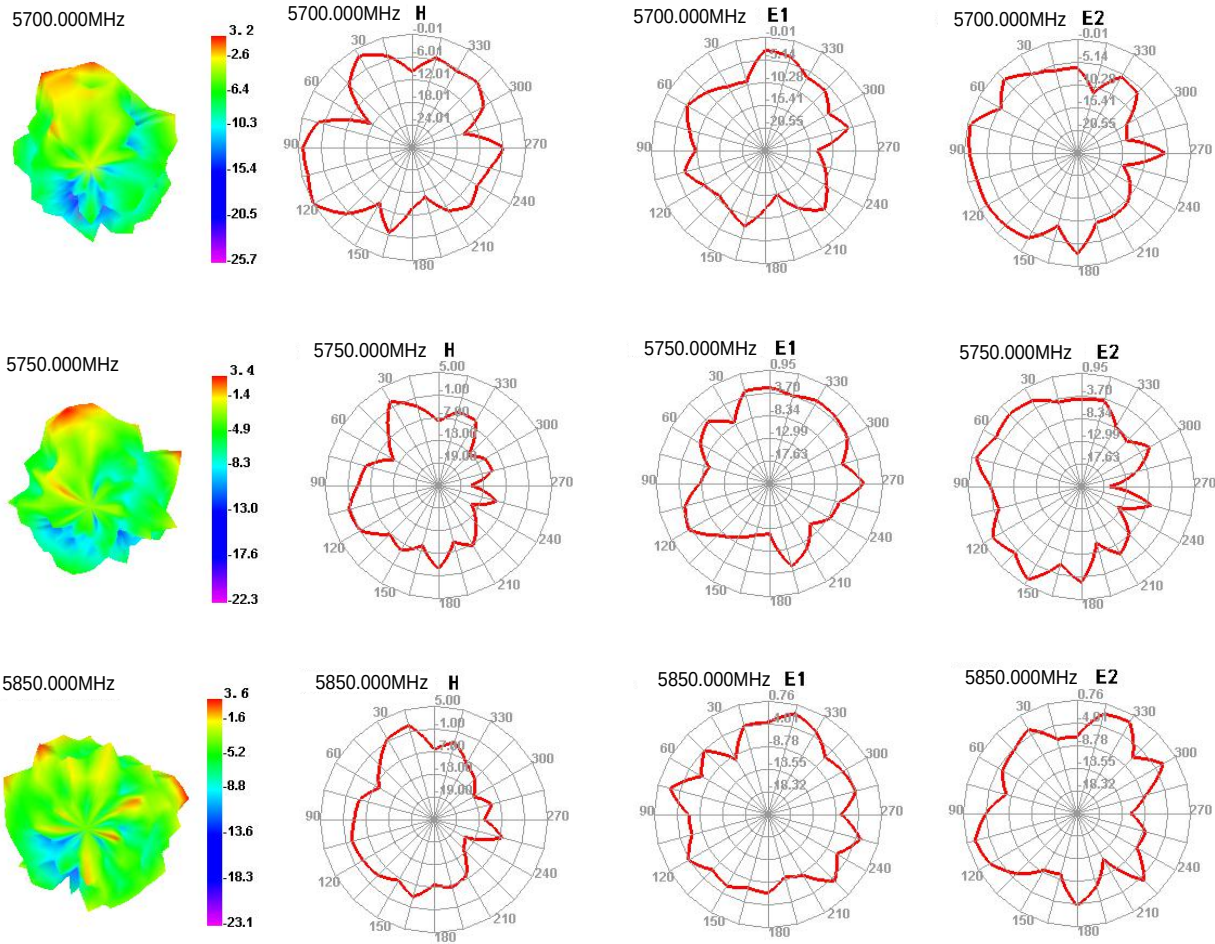
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Passive Test For wifi 5700-5850MHz						
Freq	Effi	Effi	Gain	Gain	Max	Min
(MHz)	(%)	(dB)	(dBi)	(dBd)	(dB)	(dB)
5700	51.13	-3.62	1.65	-1.17	1.75	-15.54
5750	56.04	-3.09	2.04	-0.89	2.04	-15.13
5850	53.57	-3.45	1.82	-1.32	1.82	-16.28



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6. 天线装配位置图



电器技术参数

电 性 能 指 标		Electrical Specifications	
频率范围	2400~2500/5100~5850MHz	Frequency Range	2400~2500/5100~5850MHz
电压驻波比	≤2.0	VSWR	≤2.0
输入阻抗	50 Ω	Input Impedance	50 Ω
增益	wifi 2.4G/2.14DBi, BT 2.14DBi, wifi 5G/2.04DBi	Gain	wifi 2.4G/2.14DBi, BT 2.14DBi, wifi 5G/2.04DBi
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%