



深圳市欣博跃电子有限公司

Winstars Technology Ltd.

地址：深圳市龙华大浪街道泰松工业园4栋 TEL: 755-88823721

Building 4, Taisong Industrial Park, Dalang Street, Longhua District, Shenzhen

样品承认书

文件编号：

欣博跃临时编号

欣博跃物料编号：

2. 15. 5. 00243

物料名称：

玻璃钢天线

物料规格：

5. 8GHz 8dBi 灰色玻璃钢天线 OD16. 0*400mm SMA 公头母针

供应商料号：

HG5800-0301RS-G

供应商规格：

5. 8GHz 8dBi 灰色玻璃钢天线 OD16. 0*400mm SMA 公头母针

送样数量：

3PCS

供应商名称：

东莞市腾祥电子有限公司

供应商地址：

东莞市长安镇沙头社区沙涌路53号

联系人/电话：

袁廷旭 13649807086

制造商名称：

东莞市腾祥电子有限公司

内页清单：☐ 电气原理 ☒ 样品设计图纸 ☐ 供应商样品测试检验报告

☐ 环保报告 ☐ 运输包装方式说明 ☐ 材料说明报告 ☐ _____

以上由供应商填写，以下由欣博跃公司填写。

确认事由：☐ 新物料 ☐ 设计变更 ☐ 备份供应商 ☐ 其它

送检人：赵紫娟 应用机种：_____

料件判定	品质		工程		研 发		签 样	备 注
☐ 合格	检测		检测		检测			
☐ 不合格	审核		审核		审核			

承认内容附页说明：



Tengxiang Technology.Inc

东莞市腾祥电子有限公司

Product Number: HG5800-0301RS-G

Product Name: Antenna

Index:

1. Specification (规格)
2. Characteristics and Reliability Test (产品特性和可靠性测试标准)
3. Antenna - S Parameter Test Data (样品测试数据)
4. Antenna - Radiation Pattern Test Data (辐射模式测试数据)
5. Mechanical and Packing Drawing (图纸包装规范)

Revision History (变更履历)

Revision	Date	Change Notification	Description
1.0	2024.3.26	1.1	

Product Number: HG5800-0301RS-G

Product Name: Antenna

1. Specification

Sample Photo	
	
A. Electrical Characteristics	
Frequency 频率	5150 ~ 5850MHz
S.W.R. 驻波比	<= 2.0
Antenna Gain 增益	7.61dBi
Polarization 极化方式	Linear
Impedance 阻抗	50 Ohm
B. Material & Mechanical Characteristics	
Material of Plastic 塑胶材质	灰色玻璃纤维管
Connector Type 连接器规格	SMA 公头母针镀镍
C. Environmental	
Storage Temperature 存储温度	- 40 °C ~ + 80 °C
Operation Temperature 工作温度	- 40 °C ~ + 80 °C
Antenna Color Storage life 天线颜色存储寿命	< 2 year

Product Number: HG5800-0301RS-G

Product Name: Antenna

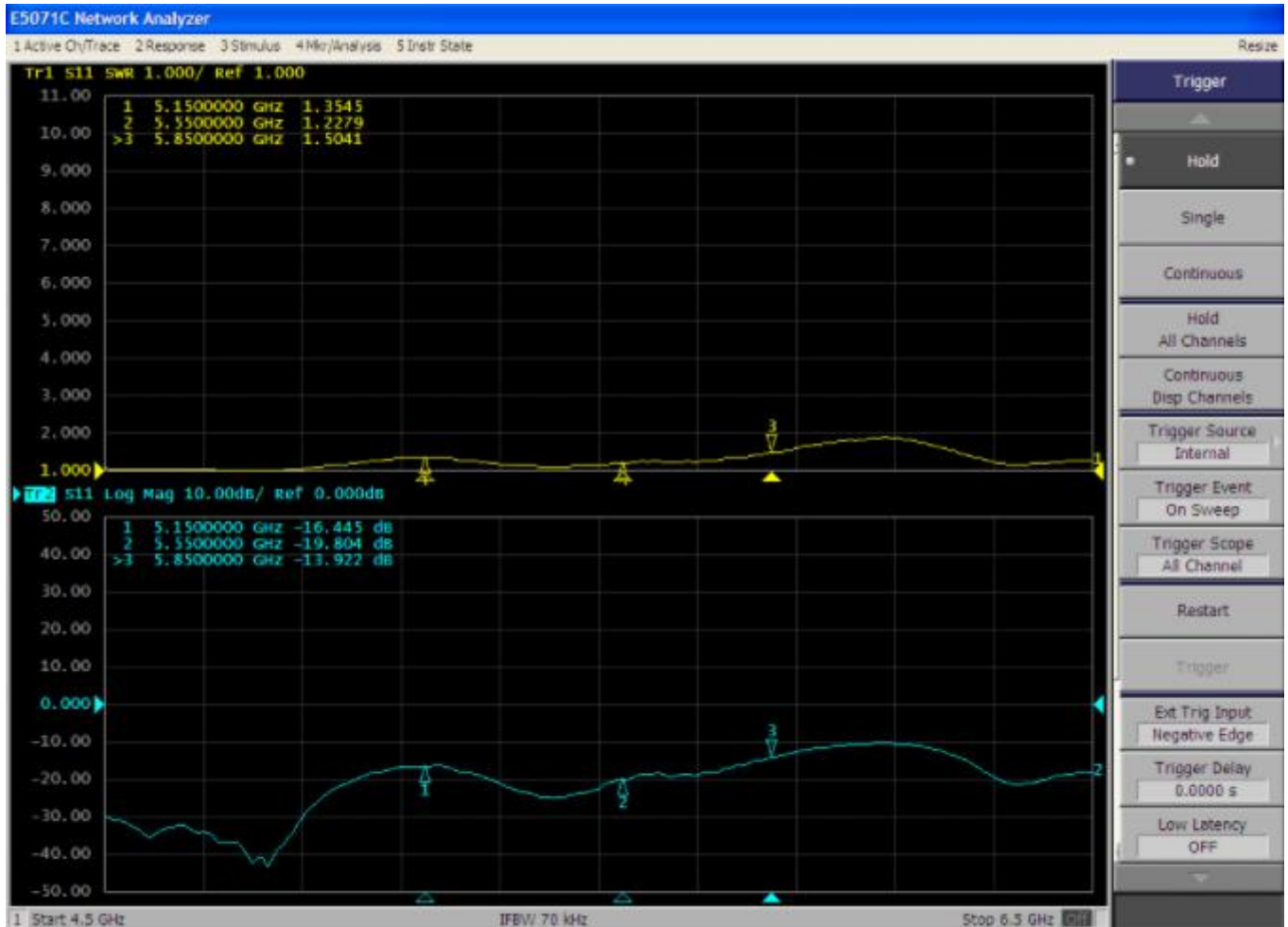
2. Characteristics and Reliability Test

Test Items 测试项目		Test Condition and Procedure 测试方法	Requirements 要求	Result 结果
1	V.S.W.R. 电压驻波比	Set DUT on Network Analyzer; make individual calibration to test 设置网络分析仪参数进行测试	Directive DUT specification 符合待测物规范	PASS
2	Insertion Loss 插入损失	Set DUT on Network Analyzer; make individual calibration to test 设置网络分析仪参数进行测试	Directive DUT specification 符合待测物规范	PASS
3	Antenna Gain 天线增益	Set DUT on Antenna Chamber; make individual calibration to test 设置天线暗室参数进行测试	Directive DUT specification 符合待测物规范	PASS
4	Vibration 震动	GB / T2423.48-2008 Amplitude: 0.03 inch (1.5mm); Freq: 20 to 80 to 20 Hz 3 directions; 2 hours for each direction 振幅 1.5mm; 频率 20~80~20Hz; 3 个方向各 2H	1. No Visual Damage 2. Frequency Tol.≤5% 无明显外观不良;频率偏移≤5%	PASS
5	Pull Test 拉力	Holding with individual specification; force applied to axis of terminal .单独定义产品端子拉力	1. Directive DUT specification 2. Frequency Tol.≤5% 符合待测物规范;频率偏移≤5%	PASS
6	Dimension 尺寸	Inspection of dimension, color, material, package, surface process.检查尺寸,颜色,材料,包装,表面处理	Directive DUT specification 符合待测物规范	PASS
7	Waterproof 防水	With Reference to IEC 60529 // IP Code Definition 参考 IEC60529 IP 定义	Directive DUT specification 符合待测物规范	PASS
8	Salt Spray 盐雾	GB / T 2423.17-2008 Temp: 35°C; RH: ≥ 95%; NaCl solution: ≥ 5%;Time: 24H 温度 35°C; 湿度≥95%;盐水浓度≥5%; 测试 24H	1. No Visual Damage 2. Frequency Tol.≤5% 无明显外观不良;频率偏移≤5%	PASS
9	Temperature and Humidity Chamber 恒温恒湿	GB / T 2423.3-2006 Temp: 80°C / 12 H; -40°C / 12H RH: ≥ 90%; Time: 24H 温度 80°C 测试 12H 转-40°C 测试 12H; 湿度≥ 90%; 时间 24H	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.≤5% 恢复 2H 后, 无明显外观不良;频率偏移≤5%	PASS
10	RoHS	With Reference to IEC 62321:2008 with flow chart 参考 IEC 62321 测试流程	Directive RoHS 2011/65/EU 符合 RoHS 2015/863/EU 标准	PASS

Product Number: HG5800-0301RS-G

Product Name: Antenna

3. Antenna - S Parameter Test Data



4. Antenna - Radiation Pattern Test Data

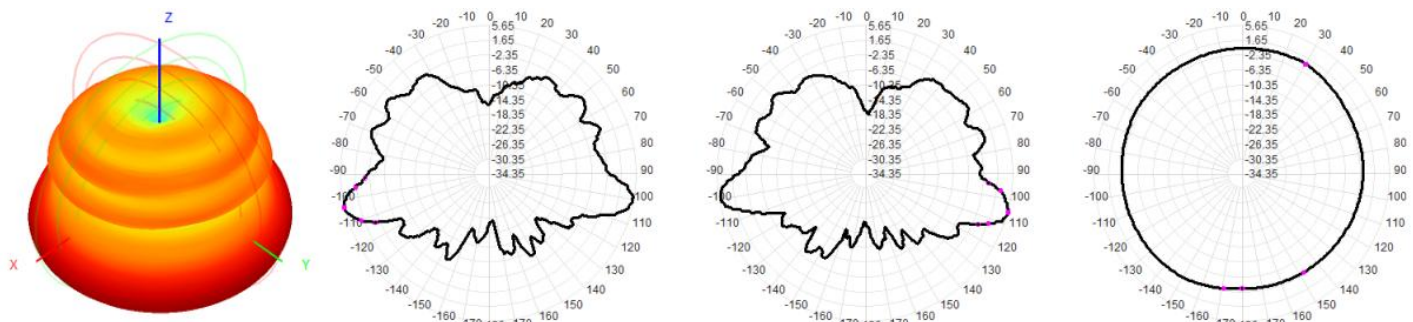
Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Frequency (MHz)	5150.0	5200.0	5250.0	5300.0	5350.0	5400.0	5450.0	5500.0	5550.0	5600.0	5650.0	5700.0	5750.0	5800.0	5850.0
Gain (dBi)	5.86	6.21	6.70	5.90	6.83	7.19	7.16	6.80	7.27	7.61	7.57	6.79	6.71	6.32	5.80
Efficiency (%)	65.65	70.75	77.36	65.21	76.50	77.29	77.87	71.90	74.34	77.14	75.48	67.03	69.34	67.35	63.48

XZ

YZ

XY

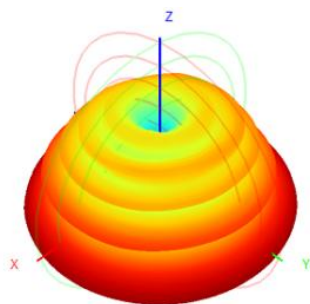
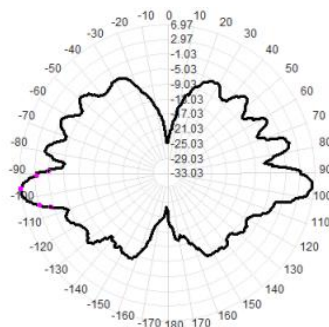
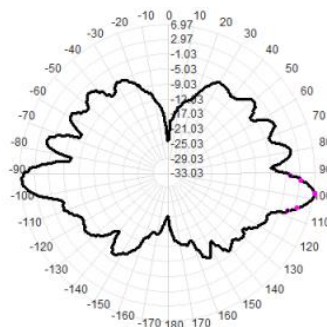
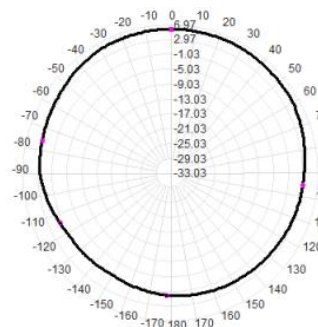
5150MHz



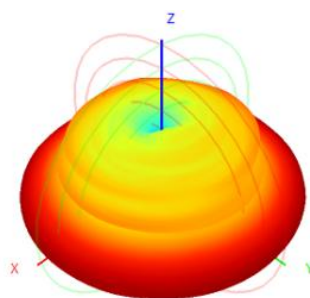
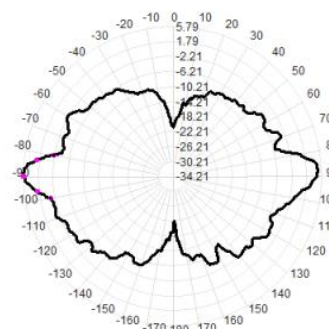
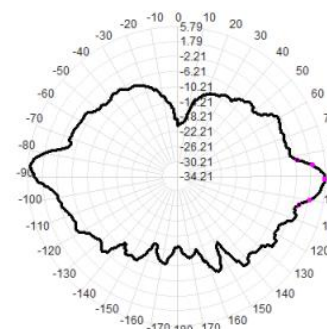
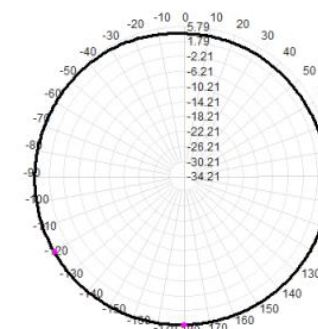
Product Number: HG5800-0301RS-G

Product Name: Antenna

5550MHz



5850MHz



5. Mechanical Drawing See attached files

