



深圳市英佳创电子科技有限公司

<http://www.szsyjc.com>

APPROVAL SHEET

CUSTOMER NAME	湖南恒茂高科	
CUSTOMER P/N	5206825	
PART NAME	2.4G 5dBi White rubber antenna	
P/ N	YJC-60502-W19	
APPROVAL REV.	A0	
DELIVERY DATE	September 21, 2020	
PREPARED BY	叶素清	
CHECKED BY	伍龙飞	
APPROVED BY		
Customer Approved		
Prepared By	Checked By	Approved By

Factory:

Shenzhen Guangming District Ma Tian Office Shijia community Qihang Teng Shi Zhi Innovation Park 7-8 floor

Tel: +86-755-27810060/23192199;

Fax: +86-0755-27810057

Company web site: <http://www.szsyjc.com>

E-mail: yjc@szsyjc.com



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Directory

Antenna plane	3
Antenna technical parameters and environment test	4
Environmental performance test	4
Physical picture of antenna	5
Antenna performance test diagram	5
ROHS Material control report	6



Antenna plane:

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1 2 3 4 5 6

A B C D E F G

ROHS

频率范围(FREQUENCY RANGE)	2400-2500MHz
增益 (Gain)	5dBi
电压驻波比(VSWR)	<1.92:1
极化 (Polarization)	Linear, Vertical
最大功率(Max power rating)	50 W
特性阻抗 (Impedance)	50欧姆

6.5

190±2

13.2

2.4G

母针

贴黑色字体“2.4G”贴纸

13.2

11

母针

要求: 1. 成品须100%测试导通OK.
2. 成品须100%全检OK.
3. 采用环保制程,成品符合ROHS要求.
4. 接头拉力: 5KG~
5. 未注公差请以一般公差为准.
6. *为重点标注尺寸.

Packing: 50pcs/bag

外置物料标识卡
与ROHS标签1PCS

零件名称 (PART NAME)	天线	单位 (UNIT)	比例 (SCALE)	版本 (REV)	日期 (DATE)
产品规格 (PRODUCT SPECIFICATION)	2.4G 50W 白色天线	mm	1:1	A0	2020-09-21
设计	叶素清	产品标准 (PRODUCT STANDARD)	接头式 母P 178 杆长180mm	产品型号 (PRODUCT NO.)	YJC-60502-W19
审核	伍龙飞	第1页,共1页		日期 (DATE)	2020-09-21

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SHENZHEN YINGJIA CHUANG TECHNOLOGY ELECTRONIC CO.,LTD

Autodesk 教育版产品制作

1 2 3 4 5 6

A B C D E F G

REV DATE DESCRIPTION NAME

A0 2020-09-21 新版发行 叶素清

A1



Antenna technical parameters and environment test:

Electrical technical parameters	
Electrical Specifications	
Frequency Range	2400-2500MHz
VSWR	<1.92
Input Impedance	50 Ω
Direction	All
Gain	5 dBi
Mechanical Specifications	
Antenna Color	white
Input connector	SMA
Length of antenna	190mm
Working Temperature	-20℃~+70℃
Working Humidity	20%~80%

Environmental performance test:

project	test conditions	specifications
Storage environment	Test temperature, humidity, and air pressure without specification as follows: 1. Temperature: -20℃~+70℃ 2. Relative humidity: 45%-85% 3. Air pressure: 86kpa-106kpa	The electrical and mechanical properties are normal
High and low temperature test	Five cycles were performed between 70℃ and -20℃, and then under normal conditions 1-2H, check the appearance quality.	The dimensions shall meet the requirements, the mechanical and electrical properties
Constant resistance Hot and humid test	Relative humidity: 95±3%, Test temperature: 40℃. After 2 hours of continuous action, The electrical performance was measured within 5 minutes after the sample was taken out, check the appearance quality of the sample under normal conditions for 1-2H	The dimensions shall meet the requirements, the mechanical and electrical properties



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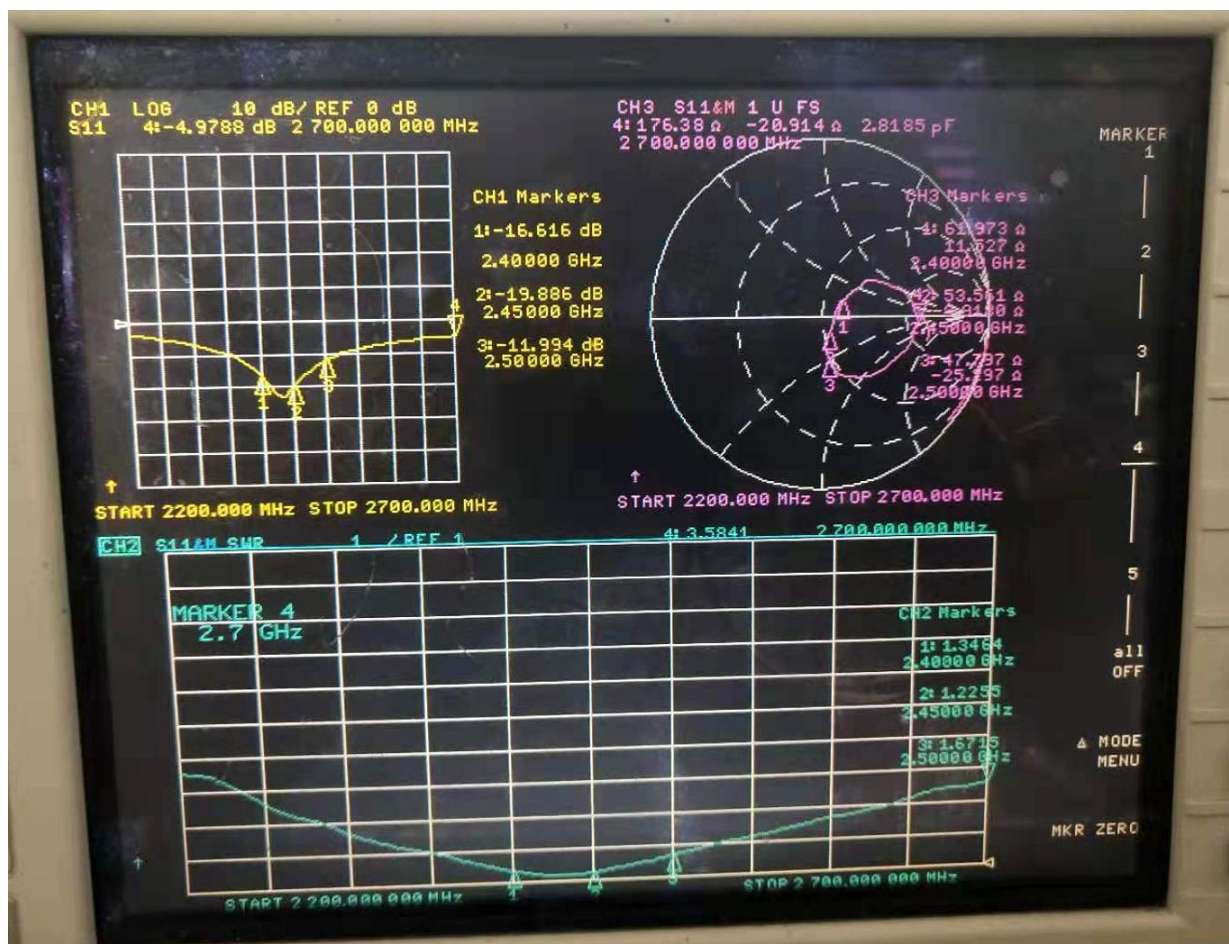
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Vibration test	Vibration frequency range 10-55Hz, displacement amplitude: 0.35mm, acceleration amplitude: 50.0m/s, frequency sweep cycle number: 30 times	The electrical and mechanical properties are normal
Drop test	1m high in the air and fall three times in the direction of mutually perpendicular axes	The electrical and mechanical properties are normal

Physical picture of antenna:



Antenna performance test diagram:





ROHS Material control report

This is to certify that the components delivered to your company, the raw materials used in the auxiliary materials, and the additives used in the production engineering meet the environmental protection requirements of the RoHS Restriction on the use of hazardous Substances directive (RoHS directive 2011/65/EC)

The components of components, raw materials used for auxiliary materials, packaging materials, and additives used in production are reported below:

Component /Part Name	Material Composition	ICP report #	Test Org.	Test Date	Hazardous substance content(ppm)						PASS?
					Cd	Pb	Hg	Cr ⁶⁺	PBB	PBDE	PASS
wire	RG/RF series coaxial cable	XMNEC2000163404	SGS	20/03/11	ND	10	ND	ND	ND	ND	PASS
copper pipe	copper	SHAEC1928526704	SGS	20/01/03	ND	32	ND	ND	ND	ND	PASS
plastic	PC	SHMLP1922644803	TUV	19/11/27	ND	ND	ND	ND	ND	ND	PASS
	TPE/TPEE	TSNEC2000845402	SGS	20/06/02	ND	ND	ND	ND	ND	ND	PASS
spring	brass	A2200047561101002E	CTI	20/03/16	ND	27	ND	ND	ND	ND	PASS
Heat shrinkable casing	Heat shrinkable casing	SZXEC1902199601	SGS	19/10/21	ND	ND	ND	ND	ND	ND	PASS



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SMA	brass	CANEC2006659602	SGS	20/05/15	4	28764	ND	ND	ND	ND	PASS
	Nickel plating	A2200002810101005	SGS	20/01/11	ND	ND	ND	ND	ND	ND	PASS
	PTFE ROD	CANEC1921840101	SGS	19/11/13	ND	10	ND	ND	ND	ND	PASS