



深圳市英佳创电子科技有限公司

<http://www.szsyjc.com>

APPROVAL SHEET

CUSTOMER NAME	深圳市四海伽蓝电子科技有限公司	
CUSTOMER P/N	M307065A	
PART NAME	4G 5dBi White rubber antenna	
P/ N	YJC-60501-W18	
APPROVAL REV.	A0	
DELIVERY DATE	October 19, 2019	
PREPARED BY	李素渊	
CHECKED BY	伍龙飞	
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Customer Approved		
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Directory

Antenna plane 3



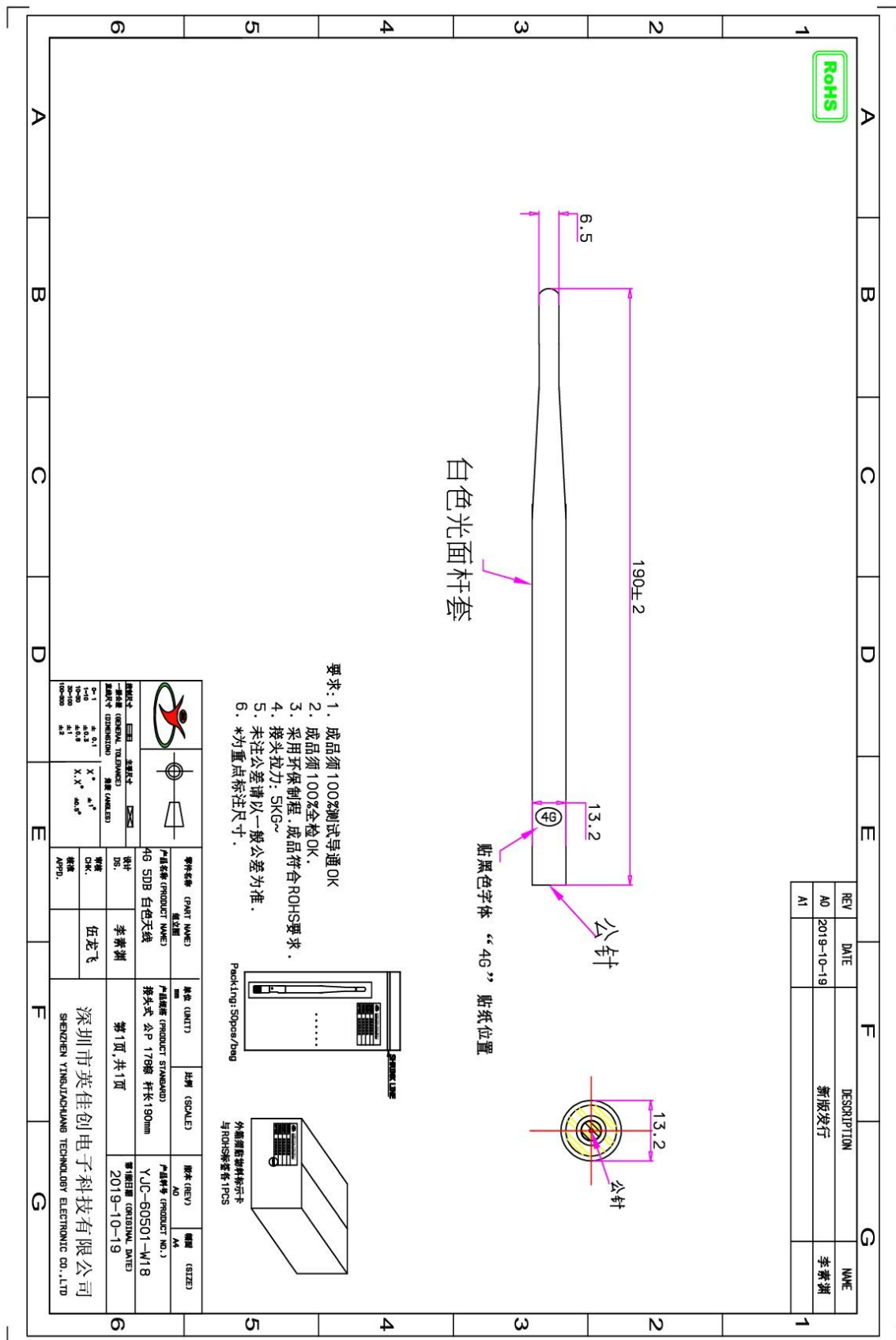
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Antenna plane:





Antenna technical parameters and environment test:

Electrical technical parameters	
Electrical Specifications	
Frequency Range	880-960/1710-2700MHz
VSWR	<3.0
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	The dimensions shall meet the requirements, the mechanical and electrical properties



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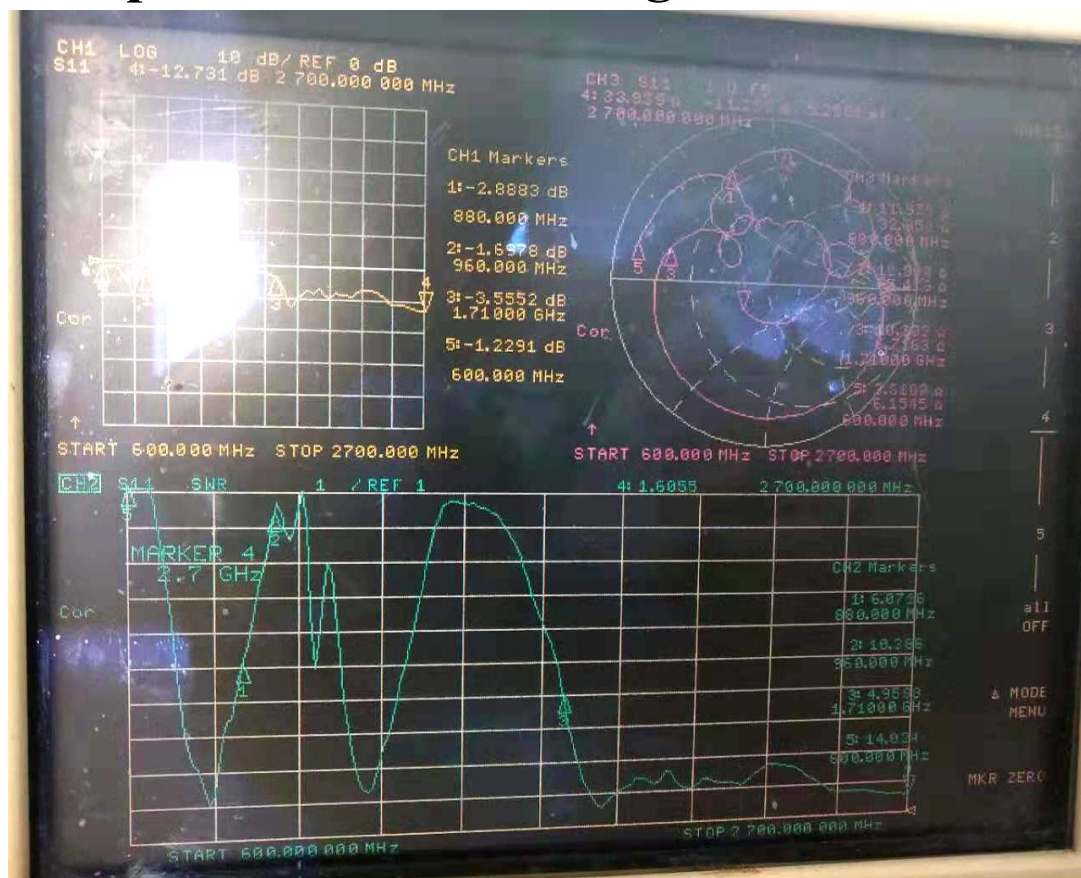
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	normal conditions for 1-2H	
Vibration test	Vibration frequency range 10-55Hz, displacement amplitude: 0.35mm, acceleration amplitude: 50.0m/s, frequency sweep cycle number: 30 times	The electrical and mechanical properties are normal
Drop test	1m 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	A2190036206101002E	CTI	19/02/27	ND	ND	ND	ND	ND	ND	PASS
FPC	FPC	CE/2019/11907	SGS	19/01/15	ND	9	ND	ND	ND	ND	PASS
plastic	PC	KE/2018/C1231A-01	SGS	18/12/27	ND	ND	ND	ND	ND	ND	PASS
	TPE/TPEE	CE/2018/84971	SGS	18/12/04	ND	13	ND	ND	ND	ND	PASS
SMA	brass	CANEC1903250002	SGS	19/03/11	10	29695	ND	ND	ND	ND	PASS
	Nickel plating	CANML1912398004	SGS	19/07/01	ND	87	ND	ND	ND	ND	PASS
	PTFE ROD	CANEC1825975101	SGS	18/12/19	ND	5	ND	ND	ND	ND	PASS