



东莞市国旭电子通讯有限公司

Dongguan Guoxu Electronics Communication Co.,Ltd.

规格承认书

SPECIFICATION FOR APPROVAL

日期 2016 / 5 / 25

Date

编号 16052501

File No

版本 1.0

Revision

客 户

CUSTOMER:

客户料号

CUSTOMER NO:

品 名

900MHz Antenna

PART NAME:

供方料号

GX015W.100035.W01

SUPPLIER NO:

送样日期Date:

送样数量Q"TY: PCS

客户确认CUSTOMER APPROVED BY

APPROVAL

CHIEF

SUPERVISOR

供方确认 SUPPLIER SIGNATURE



CHECK

DESIGN

ZhangLiang

QinJianyong

GX-RD-F04-B

add: 东莞市长安镇沙头区合兴路149号B栋2楼Tel:0769-85535057 Fax:0769-81664308



承认书项目表

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9	NA	NA	NA
10	-	-	-
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12	-	-	-
13	-	-	-

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RoHS
Compatible

CUSTOMER
PART NO

REV.

DESCRIPTION

DATE

A

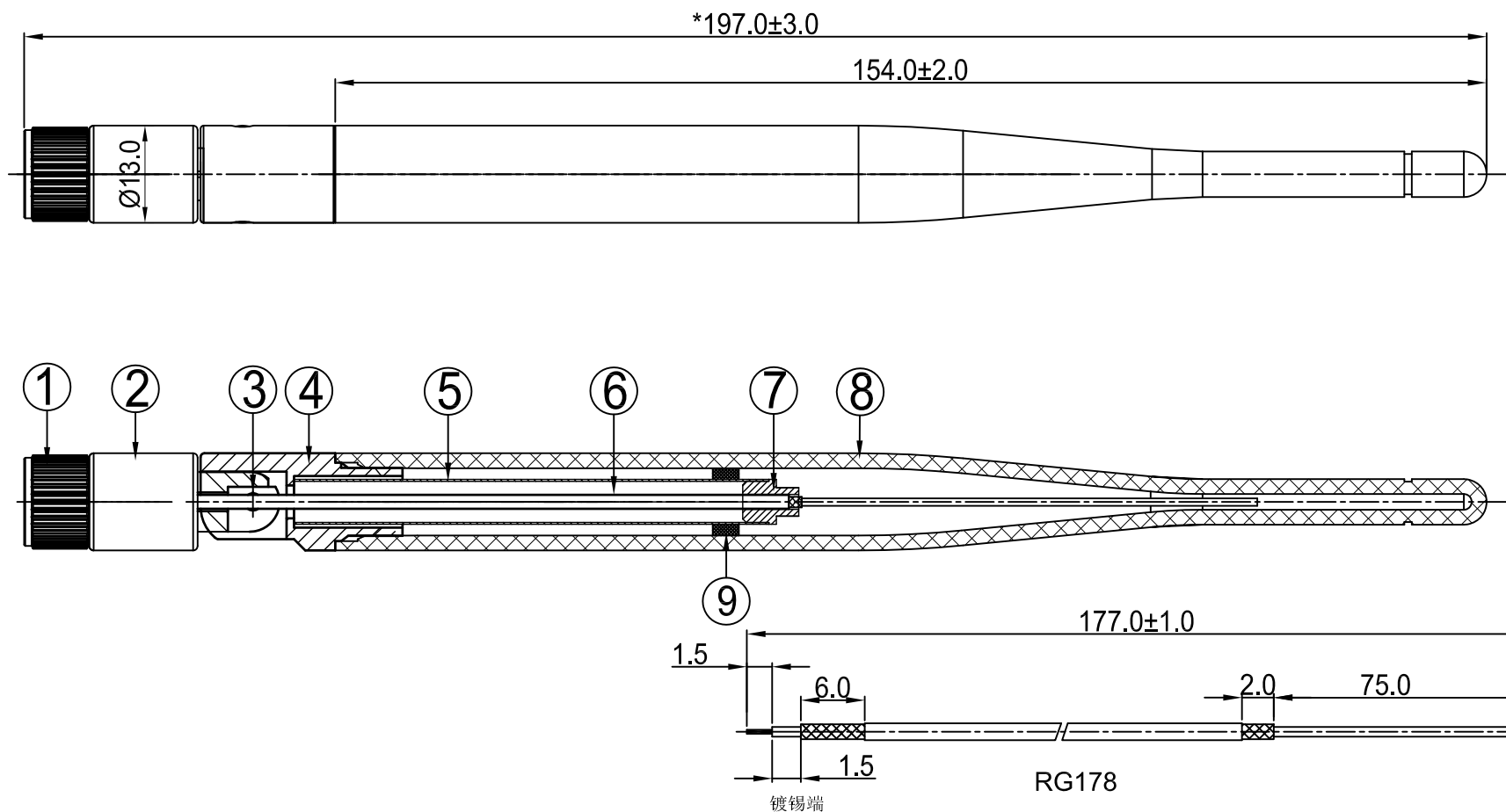
首次发行

2014.10.06

B

取消弹簧，芯线增加4MM

2017.12.28



9	EVA	6.0*22.0*T1.0mm	EVA10056A.B01	1
8	Antenna Cap	TPE ,Color:Black	PLA10001A.B01	1
7	Copper Pillar	Ø6.0*7.5MM	COP10024A.P01	1
6	Cable	RG178	COA10005A.P01	1
5	Copper Tube	Cu Ø6.0*63.5MM	COP10032A.P01	1
4	Upper Base	PC, Color:Black	PLA10022A.B03	1
3	Rivet	POM, Color:Black	PIN10002A.B01	2
2	Bottom Base	PC, Color:Black (带O形圈结构)	PLA10032A.B03	1
1	SMA Male Reverse	Cu Black (带O形圈结构)	CON10070A.P02	1
NO	PART NAME	DESCRIPTION	PART NO.	Q.TY

 东莞市国旭电子通讯有限公司 Dongguan GuoXu Electronics Communication Co.,Ltd.				Tel :0769-85535057 Fax:0769-81664308	
PART NAME: 900MHz Antenna					
PART NO.: GX015W.100035.W01			DATE: 2017-12-28		
APPROVED BY	CHECKED BY	DESIGNED BY			Tolerance
陈国强	文雪	陈兴成	UNITS: mm		X.X ±0.50
			SCALE: 1/1		X.XX±0.15
			REVISION: A		X° ±3°



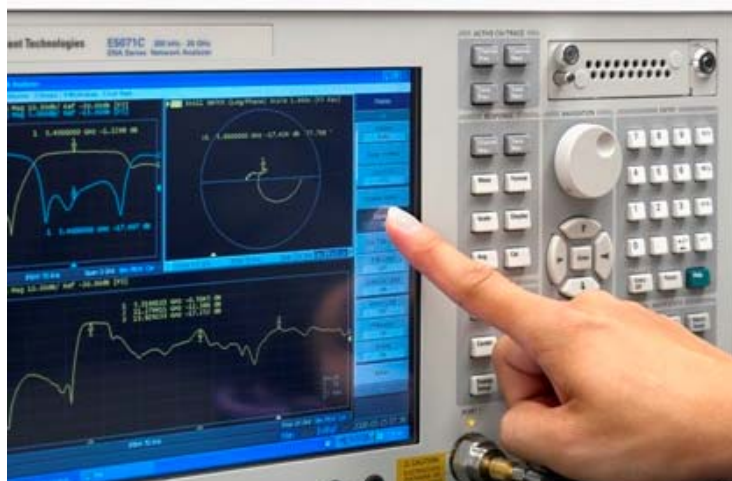
电 性 测 试 报 告

Test Reports

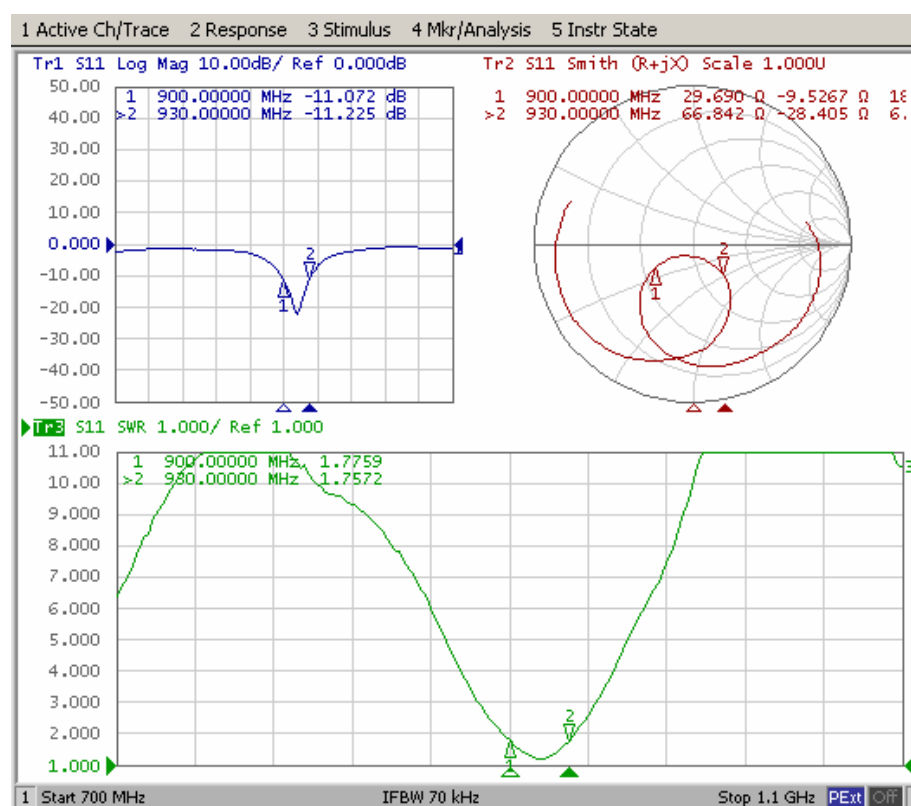
Electrical Properties	
Frequency	900MHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 : 1 Max
Return Loss	-11 dB Max
Radiation	Omni-directional
Gain (Peak)	3 dBi
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	SMA Connector
Physical Properties	
Antenna Material	ABS / PC / Cu
Cable Type	RG-178
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	Brown

Antenna Performance Test

**Agilent
E5071B**



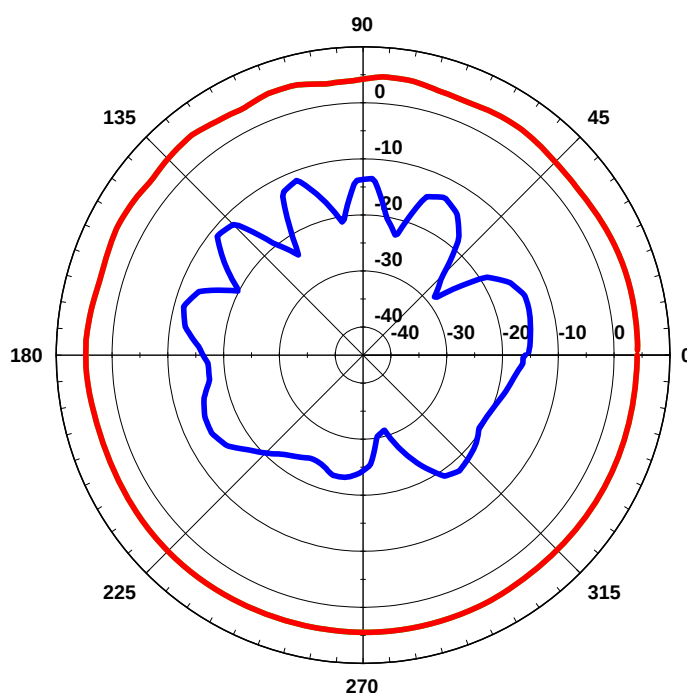
**S
Parameter
Test //
900-
930MHz**



增益测试

Gain Test

*Antenna
Radiation
Pattern
VS
Gain*



MATERIAL SAFETY DATA SHEET

1、Product and Company Identification

Product name : TPEE RESIN(Thermoplastic Polyester Elastomer)
Synonyms : TPEE CHANG CHUN 1163
Chemical Formula : $(C_{10}H_{10}O_4C_4H_{10}O_2(C_4H_8O)_nH_2O)_x$
Product Codes : 11series,12series, that include 1140H,1155L,1255L, etc.
Supplier Information : Chang Chun Plastics Co.,Ltd 301 Songkiang Road, 7th FL., Taipei, Taiwan, 10477
Emergency phone numbers : Tel 886-2-25038131, 886-2-25001800

2、Composition / Information on Ingredients

Ingredient	CAS Number	Percent (by weight)
Thermoplastic Polyester Elastomer	9078-71-1	>99%

3、Hazards Identification

Emergency Overview : Hazard warning not required
Adverse Human Health Effects : Vapour and fumes released at elevated temperature may be irritant for the eyes,the nose,the throat and respiratory tract and in case of overexposure may cause nausea and headache.
Environmental Effects : No Information available
Physical and Chemical Hazards : No Information available
Specific Hazards : No Information available

4、First-Aid Measures

Inhalation : When fumes of molten material have been inhaled: - Move person to fresh air as quickly as possible - Rest in half upright position - Loosen clothing - Keep warm
Ingestion : No danger of toxicity,this material is biologically inactive
Skin Contact : If molted material contacts skin , cool rapidly with cool water,and seek medical attention. Attention : never pull off the molten material from the wound.
Eye Contact : Flush with water, and seek medical attention if it is necessary.

Protection of First-aiders : No Information available
Notes to Physician : If melted material contacts, cool rapidly with cool water, and seek medical attention.

5、 Fire-Fighting Measures

Extinguishing Media : Water, foam, carbon dioxide, dry chemical
Fire and Explosion Hazards : NA
Special Firefighting Procedures : Treat as a "class A" fire and avoid to breathe dust.
Special Equipment for the Protection of Firefighters : Wear personal protective equipment

6、 Accidental Release Measures

Personal Precautions : Wear personal protective equipment
Environmental Precautions : This material presents no danger regarding toxicological and ecological consideration.
Methods for Cleaning Up : Sweep up and place in disposal container and it could be recycled used.

7、 Handling and Storage

Handling : Make provisions for sufficient ventilation and local exhaust at vent, nozzle . Dust and processing fumes must be removed by effective exhaust ventilation.
Storage : Store in a cool and dry place

8、 Exposure Controls / Personal Protection

Engineering Measure : NA
Control parameters : OSHA PEL (nuisance/inhalable dust): 15 mg/M ³ (total), 5 mg/M ³ (respirable) ACGIH TLV (nuisance/inhalable dust): 10 mg/M ³ (total), 5 mg/M ³ (respirable) - Limit values : NA - Biological Standards : NA
Personal Protective Equipment : helmet, mask, safety shower, eye wash fountain - Respiratory Protection : dust mask - Hand Protection : plastic or rubber gloves - Eye Protection : wear safety goggles - Skin and Body Protection : wear protective gloves and clean body-covering clothing.
Specific Hygiene Measures : Adequate washing facilities with supplies of mild soap and hand cleaner should be available at all working locations. Solvents should never be used as hand cleaners. Smoking, eating and drinking in working and storage area should be prohibited.

9、Physical and Chemical Properties

Physical State : Solid	Form : Pellet
Color : White	Odor : odorless
pH : ND	Boiling Point/Boiling Range : ND
Decomposition Temperature : >300	Flash Point & Method Used : >355
Auto Ignition Temperature : >420	Explosion Properties : ND
Vapor pressure : ND	Vapor density : ND
Density : 1.05-1.25	Solubility : ND

10、Stability and Reactivity

Stability : Stable under ordinary conditions of use and storage
Possible Hazardous Reactions Occurring under Specific Conditions : NA
Conditions to Avoid : Don't heat to >300 for long residence time to avoid thermal degradation.
Materials to Avoid : strong bases , strong oxidising agents
Hazardous Decomposition Products : CO

11、Toxicological Information

Acute toxicity : None
Local effects : The material appears to be a non-toxic substance in standard toxicological and ecotoxicological tests and is regarded as biologically inactive.
Sensitization : None
Chronic Toxicity or Long Term Toxicity : None
Specific effects : None

12、Ecological Information

Possible Environmental Effects, Behavior and Fate : Not hazardous in contact with water

13、Disposal Considerations

Recommended Methods for Safe and Environmentally Preferred Disposal : It can be burnt in a controlled way or be disposed of via landfill, or it can be recycle used

14、Transport Information

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International regulations : None
UN classification number : N.A.
Specific Precautionary Transport Measures and Conditions : No hazardous transporation product. Keep away from moisture.

15、Regulatory Information

Applicable Regulations : None

16、Other Information

NFPA Ratings : ---
Label Hazard Warning : The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied , with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purpose. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, however arising, even if the company has been advised of the possibility of such damages
Literature References : ---

原始作者：祝瀚揚