



客户名称: (CUSTOMER) 磊科

产品名称

APPELLATION: 天线

产品型号

MODEL: 5dBi 黑色可拆式 SMA 铜头

磊科料号

No.: _____

泓淋料号

No.: G033-310028-A

生产方	工艺审核 TECHNICAL	品质审核 QUALITY	项目审核 PROJECT	开发审核 DEVELOPING
		刘利利化		

客户方	设计工程师 Engineer	主管审批 Approval	研发体系 R & D System

供应商: 深圳市泓淋通讯科技

地址: 深圳市宝安区松岗镇沙浦围村第二工业区六栋

电话: 0755-27090678 27091658

传真: 0755-27091458

邮编: 518000

E-mail: lynn@honglintech.com



承认书

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一.天线规格表

Specification

1. Electrical Properties

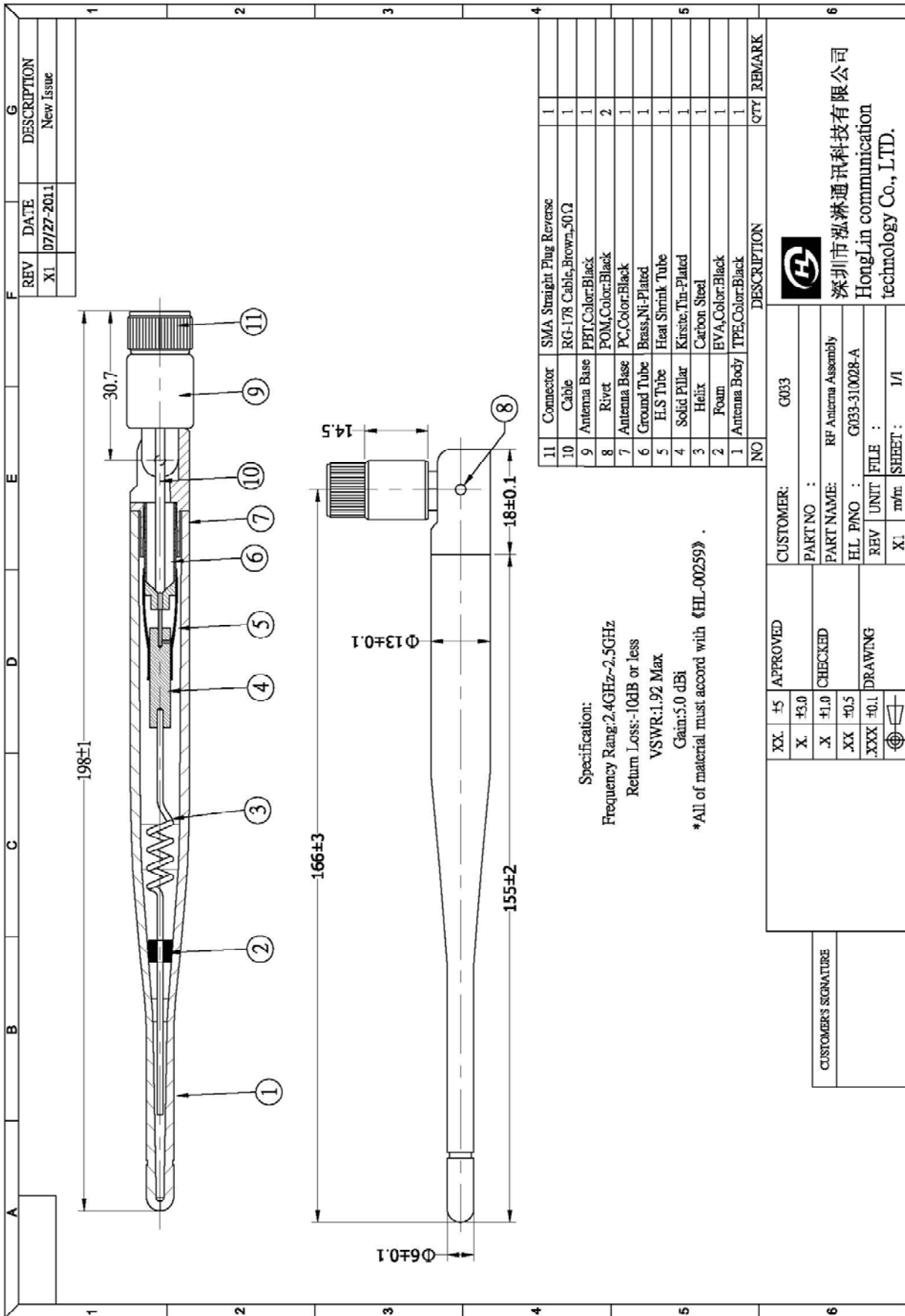
- 1.1 Frequency Range-----2.4GHz~2.5GHz
- 1.2 Impedance-----50 Ω
- 1.3 VSWR-----1.92:1
- 1.4 Return Loss----- -10dB or Less
- 1.5 Radiation-----Omni-directional
- 1.6 Gain-----5dBi
- 1.7 Polarization -----Linear,Vertical
- 1.8 Admitted Power-----1W
- 1.9 Connector -----SMA

2. Physical Properties

- 2.1 Antenna cover-----TPE
- 2.2 Antenna Base-----PC
- 2.2 Antenna Base-----PBT
- 2.3 Cable-----RG-178 Cable
- 2.4 Operating Temp----- -10 $^{\circ}$ C~+60 $^{\circ}$ C
- 2.5 Storage Temp----- -10 $^{\circ}$ C~+70 $^{\circ}$ C
- 2.6 Color----- Black



二.成品图



Specification:
 Frequency Rang: 2.4GHz~2.5GHz
 Return Loss: -10dB or less
 VSWR: 1.92 Max
 Gain: 5.0 dBi
 *All of material must accord with 《HL-00259》.

NO	DESCRIPTION	QTY	REMARK
11	Connector SMA Straight Plug Reverse	1	
10	Cable RG-178 Cable,Brown,50Ω	1	
9	Antenna Base PBT,Color:Black	1	
8	Rivet POM,Color:Black	2	
7	Antenna Base PC,Color:Black	1	
6	Ground Tube Brass,Ni-Plated	1	
5	H.S Tube Heat Shrink Tube	1	
4	Solid Pillar Kirsite,Tin-Plated	1	
3	Helix Carbon Steel	1	
2	Foam EVA,Color:Black	1	
1	Antenna Body TPE,Color:Black	1	

XX	+5	APPROVED
X	+3.0	CHECKED
X	+1.0	
XX	+0.5	
XXX	+0.1	DRAWING

CUSTOMER: G033
 PART NO :
 PART NAME: RF Antenna Assembly
 HL P/NO : G033-310028-A
 REV UNIT FILE :
 X: m/m: SHEET : 1/1

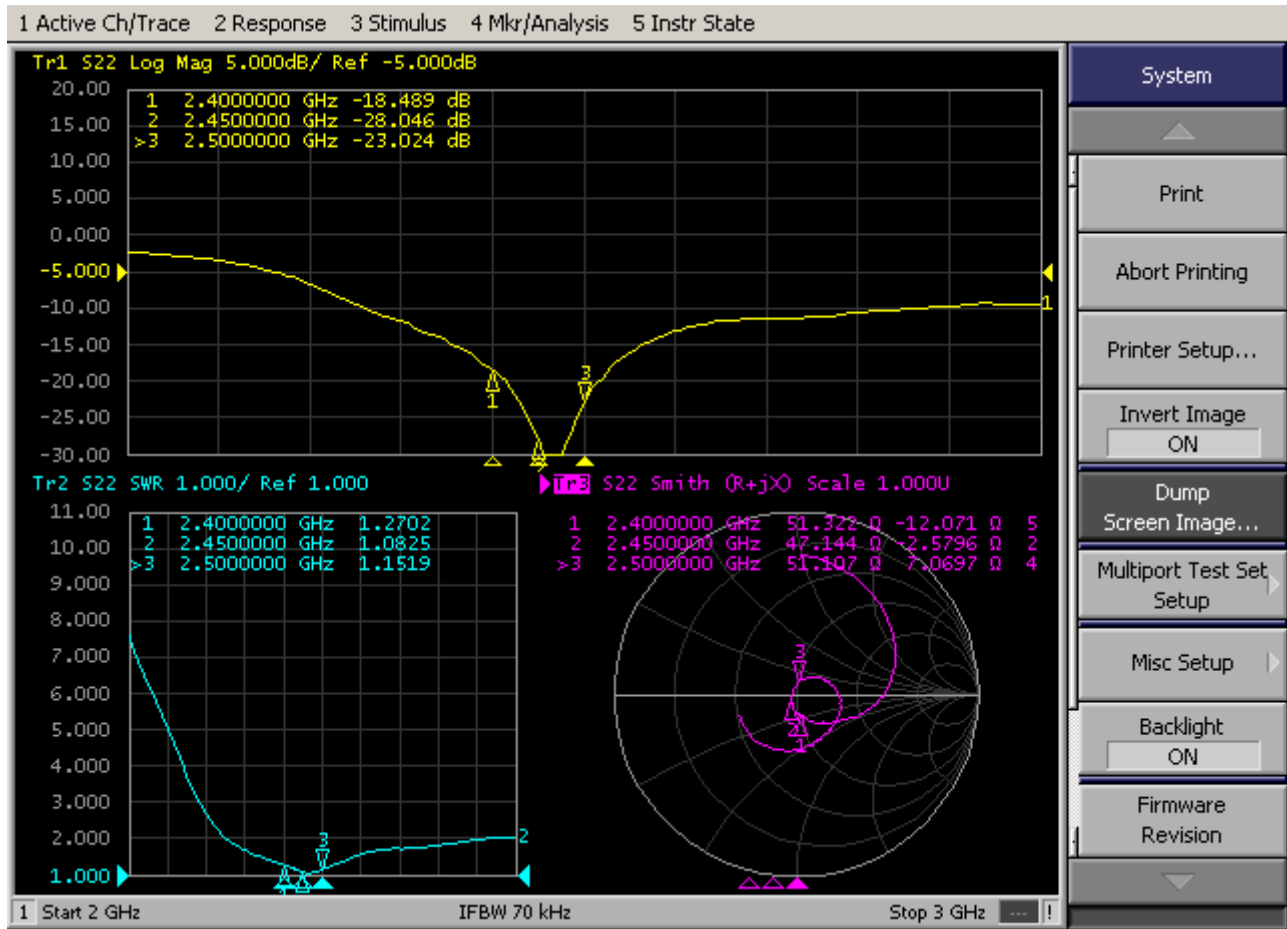
CUSTOMER'S SIGNATURE

深圳市泓淋通讯科技有限公司
 HongLin communication
 technology Co., LTD.



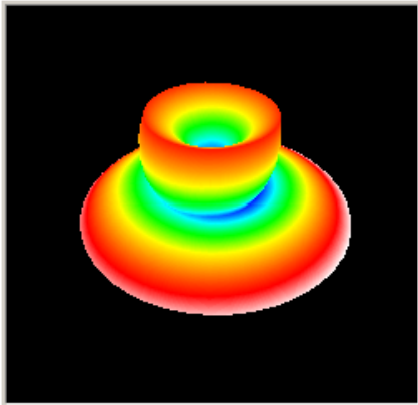
三. 测试报告

VSWR



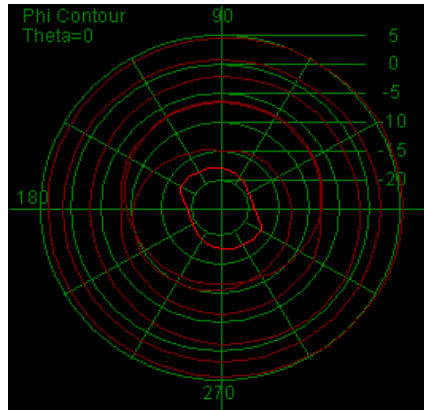


2D、3DRaditation Pattern:

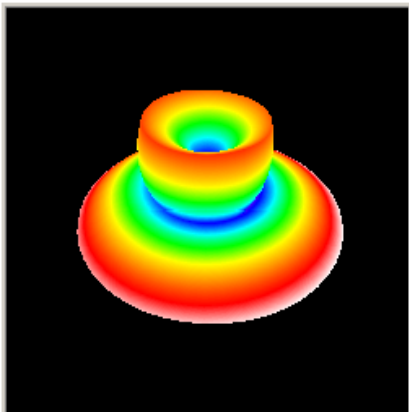
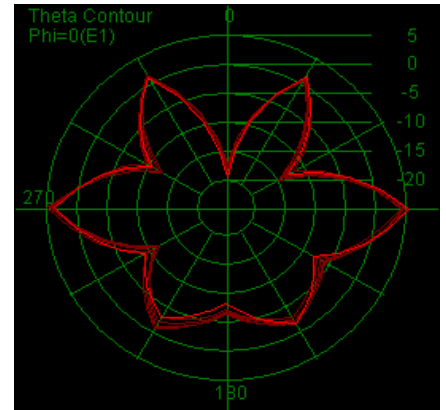


2.4GHz

Gain: 5.04dBi

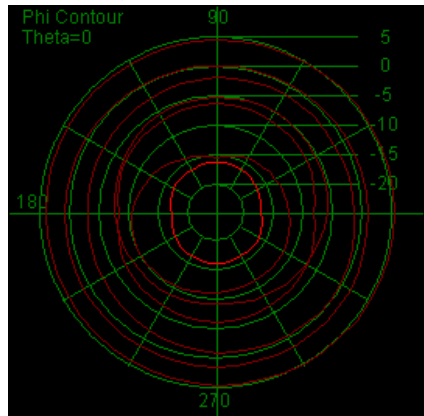


Efficiency:85.1%

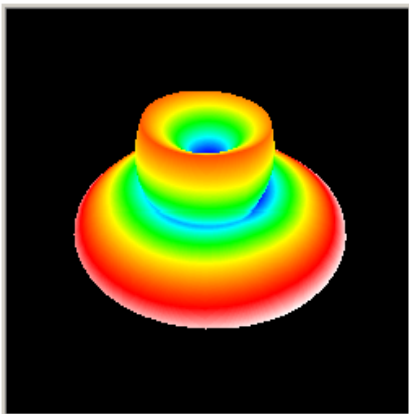
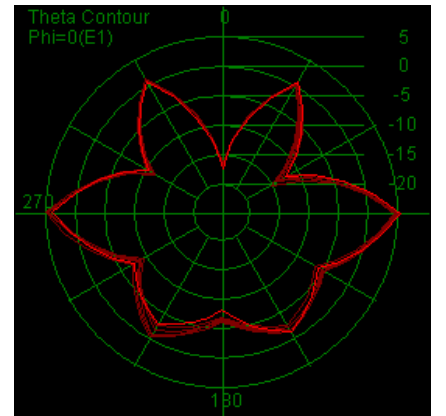


2.45GHz

Gain:4.93dBi

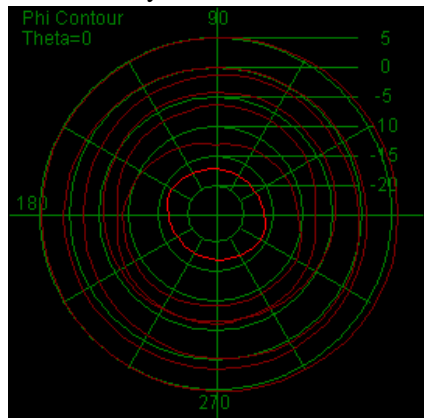


Efficiency:83.4%

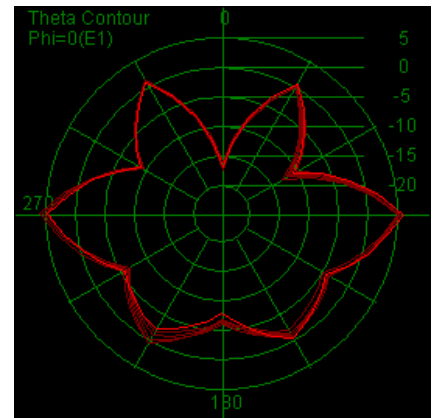


2.5GHz

Gain:4.82dBi



Efficiency:88.7%





四、Cable 规格

无锡源达电工材料有限公司

WUXI YUANDA ELECTRICAL MATERIAL CO., LTD.

中国江苏省江阴市青阳镇南陈村 邮编 214401

Nachen, Qingyang Town, Jiangyin City 214400, Jiangsu, China

1. 适用范围:

Scope

本规格书制定了 50 Ω FEP 绝缘射频电缆 YD178 系列的结构和电气特性。

This specification covers the construction and the electrical properties of YD178 series of 50 Ω FEP Insulation Coaxial Cable.

2. 结构/Construction:

单位/Unit:mm

项目/Item	详细资料/Details
导体/Conductor	材料/Material 镀银铜线/Silver-coated Copper Wire
	构成(根/mm) Composition(No./mm)
	标称直径/Nom. O. D (mm)
绝缘层 /Insulation	材料/Material 聚四氟乙烯(自然色)/PTFE
	标称绝缘厚度/Nom. Thick (mm)
	标称外径/Nom. O. D (mm)
屏蔽层/Shield	材料/Material 镀银铜线/Silver-coated copper wire
	构成/Composition 0.10 单线编织/Single Braid of 0.10
	覆盖率(%) /Coverage ratio(%) ≥90
护套/Jacket	材料/Material 聚全氟乙丙烯(*颜色)/FEP(*color)
	标称护套厚度/Nom. Thick (mm)
	标称外径/Nom. O. D(mm)
	颜色/Color 按与客户确认的颜色/According to corresponding have approved by the suppliers and customers

3. 电气特性(20°C时)/Electrical Properties(at 20°C)

项目/Item	单位/Unit	详细资料/Details
导体电阻/Conductor Resistance	Ω/km	Max. 320
绝缘电阻/Insulation Resistance	MΩ.km	Min. 500
耐压强度/Dielectric Strength	V(AC)/min	1000
静电容/Capacitance	pF/m	105(1kHz)
特性阻抗 /Characteristic Impedance	Ω	50±2.0
衰减/Attenuation	dB/m	1GHz 1.70



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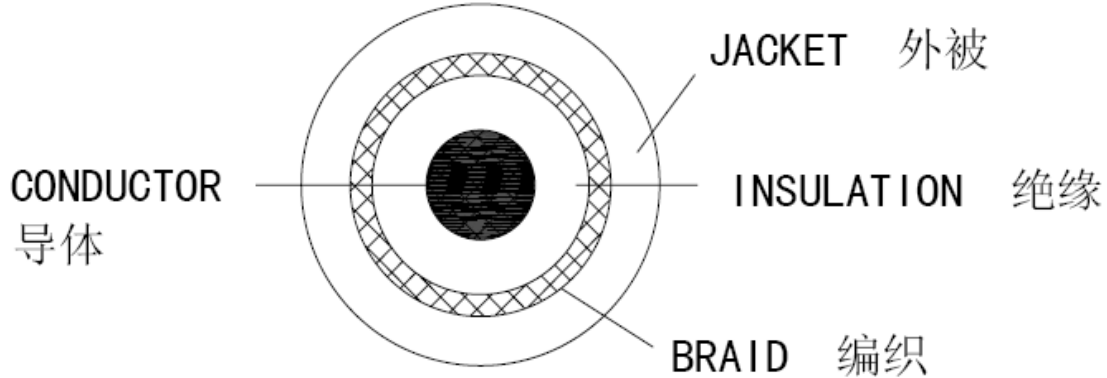
Nachen, Qingyang Town, Jiangyin City 214400, Jiangsu, China

		2GHz	2.42
		3GHz	3.08
		4GHz	3.63
		5GHz	4.15
		6GHz	4.80
驻波比/Standing wave (0-6GHz)		/	≤1.35

4. 包装 Packing

标准单位包装长度为 500 米/盘, 每盘最多允许 3 个接头, 接头最短长度 20 米, 在搬运过程中不能损坏包装.

Standard unit length of finished cable shall be 400m on reel, frequency of joint max. 3/reel, the mini length is 20m. The finished cable shall be packed not be damaged during transportation



本产品有时不适合车载用途的情况也有,所以使用前请先和本公司业务部门进行商谈.

This product is not suitable for automobile application in some cases. Please contact with our sales department before you use this product.

规格书完

End of specification



五.SGS 报告

(注: SGS 测试报告以电子档形式传给贵司)