

DONGGUAN HUANGJIE COMMUNICATION TECHNOLOGY CO., LTD.

东莞市皇捷通讯科技有限公司

SPECIFICATION FOR APPROVAL

承 认 书

客 户 CUSTOMER	星易美
客户料号 CUS. CODE	
客户机型 CUS. MODEL	
皇捷料号 HJ-Tech CODE	RF2111001
产品名称 PRO. NAME	Internal Antenna
规格描述 SPECIFICATION DESCRIPTION	Internal antenna, 1.13 gray double tin wire, P1 end welded copper tube+copper column, P2 end stamped with a generation of terminals, 145mm long cut wire, 160mm long in total
制作日期 DATE	2021/11/1

供 应 商 / SUPPLIER		
制 作 PREPARED	审 核 CHECKER	核 准 APPROVER
S. He	何修明	

客 户 / CUSTOMER		
承 办 TRANSCOR	审 核 CHECKER	核 准 APPROVER

东莞市皇捷通讯科技有限公司

地址: 广东省东莞市寮步镇泉塘大蚬地工业区

电话: 86-769-83328111

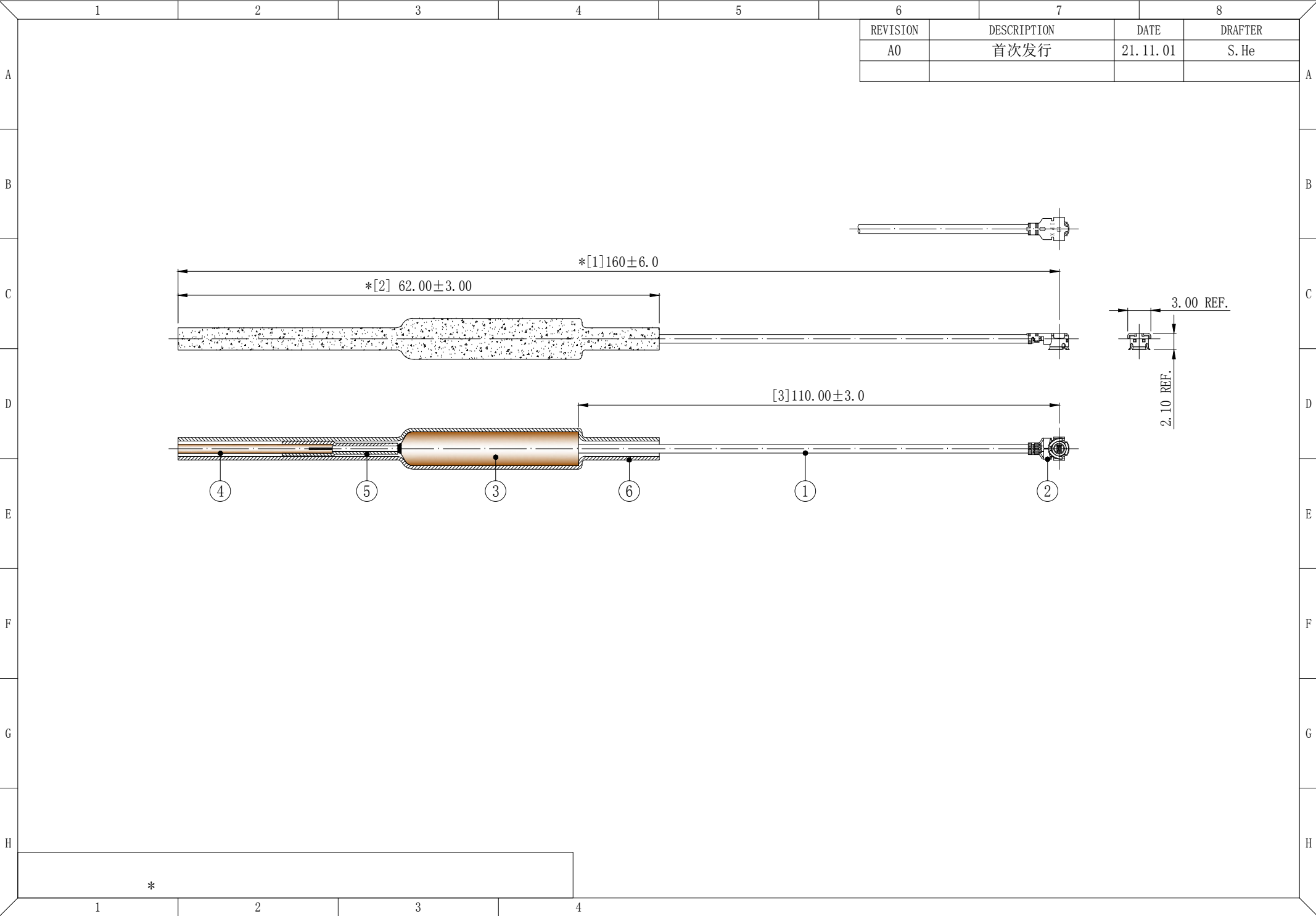
传真: 86-769-83327688

网址: www.iphone-line.com

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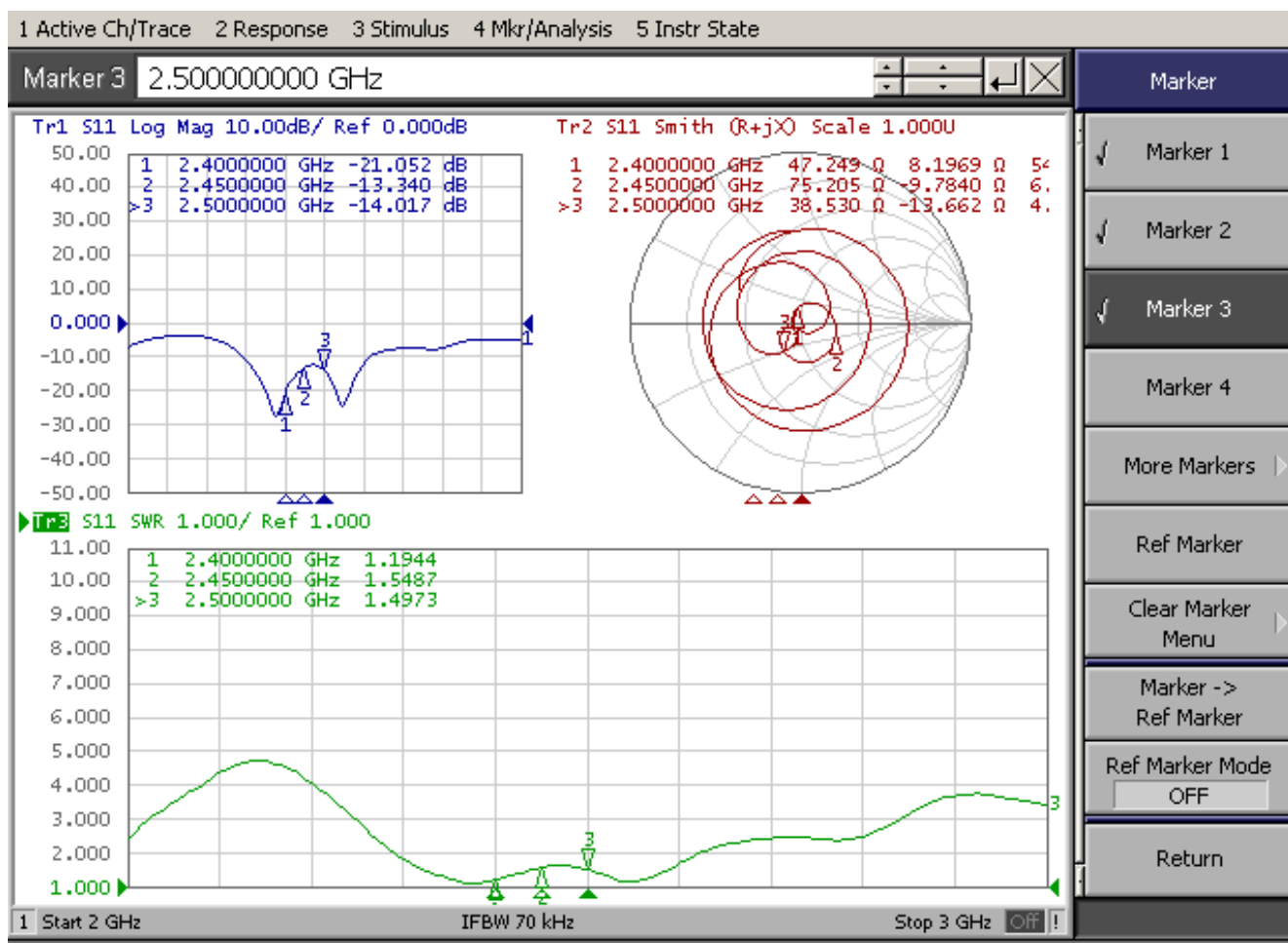
天线电气特性测试报告

Antenna Electrical Characteristic Test Report

文件编号:HJ-QR-Q-22 Rev:A0

产品料号 Part Number:	RF2111001	测试项目 Item	结果判定 Judge
产品名称 Part Name:	2.4G built-in copper tube antenna		
测试设备 Test Equipment	Network analyzer网络分析仪		
测试日期 Test Date	2021.11.1		

Antenna test data



审核Checker: 王俊

测试者Tester: Mark

产品料号

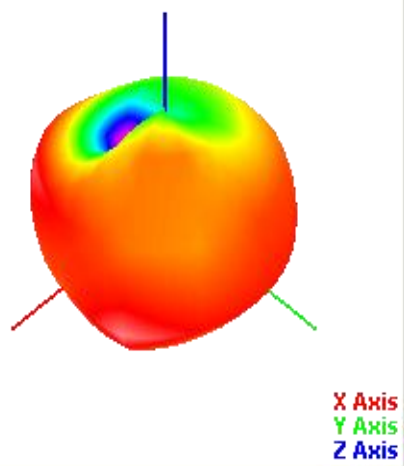
RF2111001

产品名称

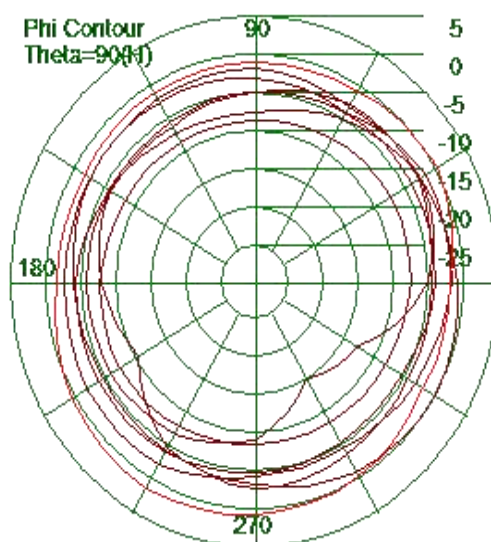
铜管天线

Radiation

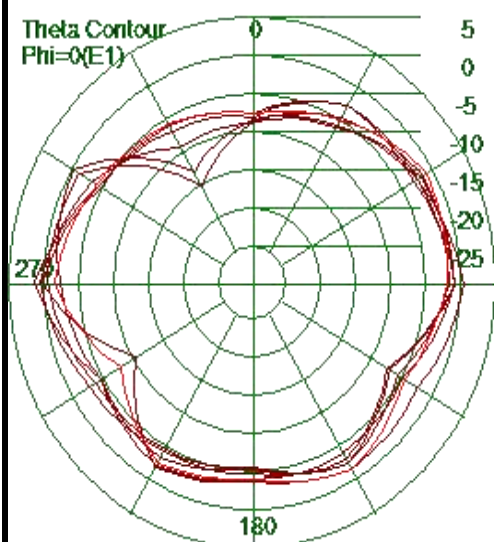
2400 MHz



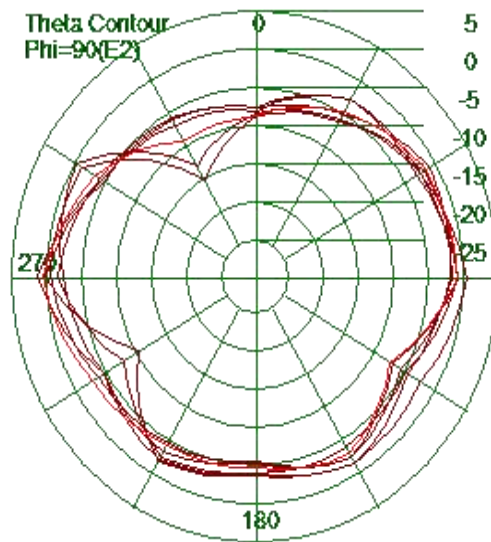
2400 MHz H



2400 MHz E1



2400 MHz E2



审核Checker: 王俊

测试者Tester: Mark

产品料号

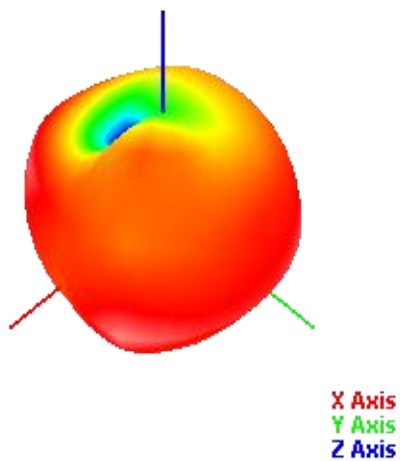
RF2111001

产品名称

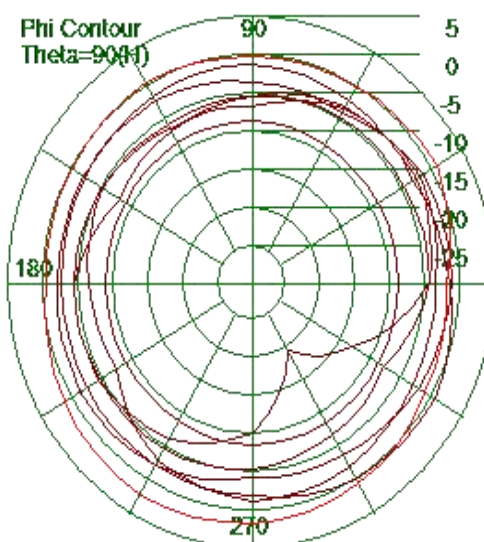
铜管天线

Radiation

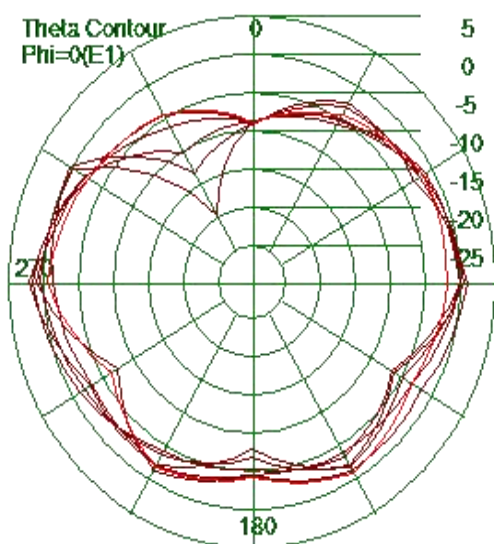
2450 MHz



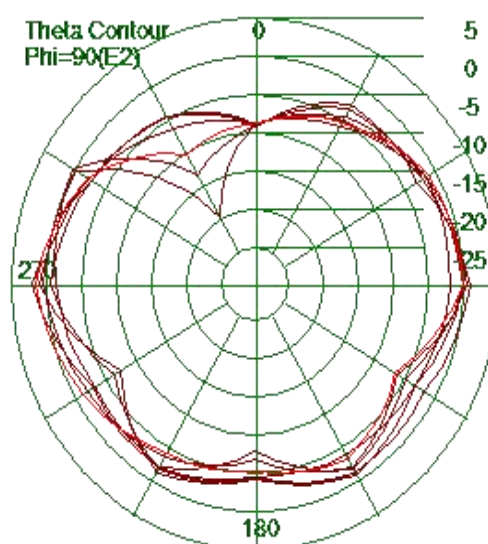
2450 MHz H



2450 MHz E1



2450 MHz E2



审核Checker: 王俊

测试者Tester: Mark

产品料号

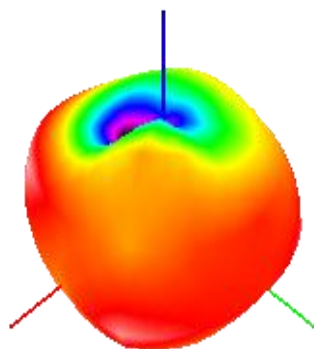
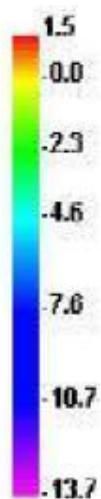
RF2111001

产品名称

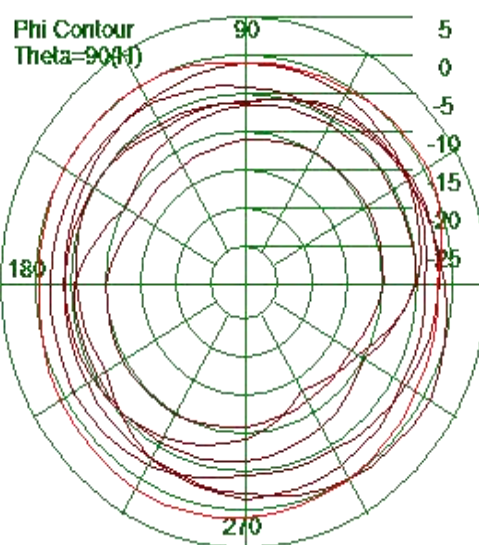
铜管天线

Radiation

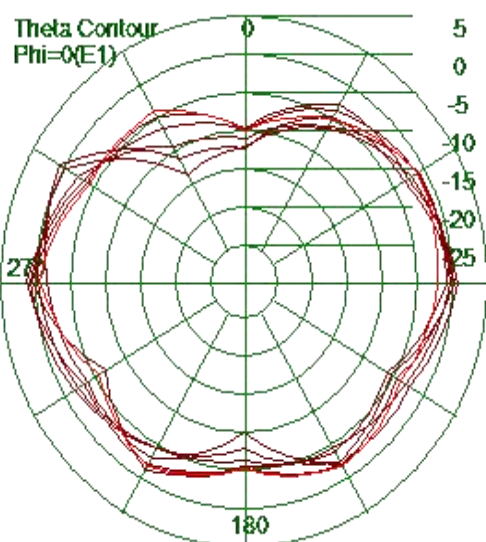
2500 MHz

X Axis
Y Axis
Z Axis

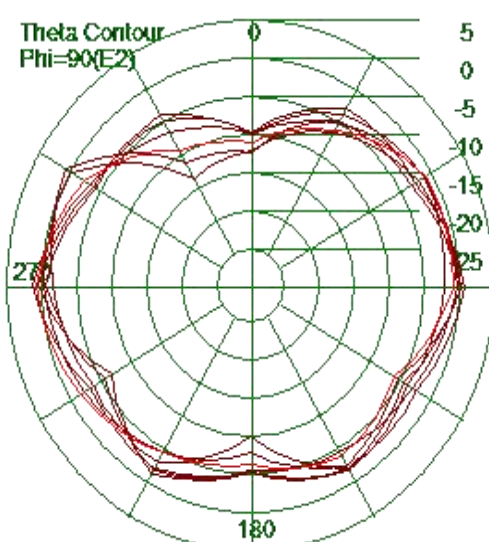
2500 MHz H



2500 MHz E1



2500 MHz E2



审核Checker: 王俊

测试者Tester: Mark

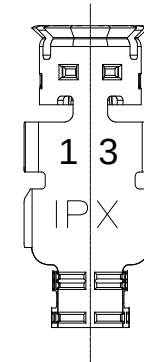
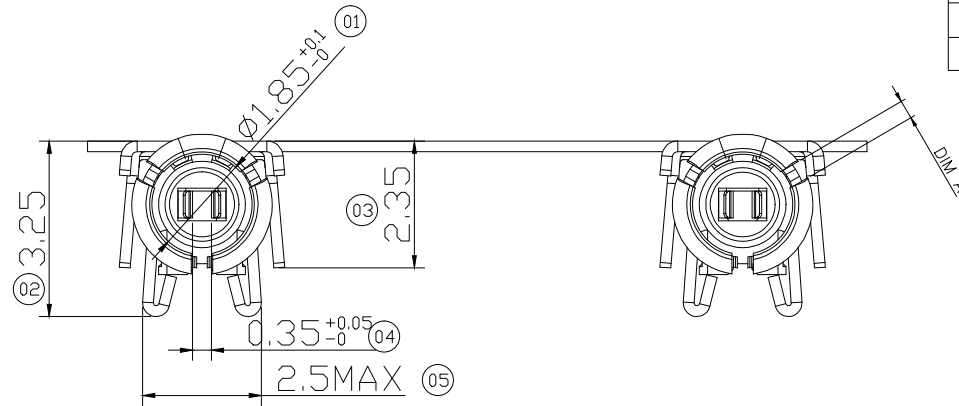
No-source test data

Test Point ID	Freq. (MHz)	Gain (dBi)	Efficiency (%)
<u>1</u>	2400.0	2.21	69.6%
<u>2</u>	2410.0	2.36	72.2%
<u>3</u>	2420.0	2.87	78.2%
<u>4</u>	2430.0	2.17	79.0%
<u>5</u>	2440.0	3.21	80.8%
<u>6</u>	2450.0	3.04	80.0%
<u>7</u>	2460.0	2.83	78.6%
<u>8</u>	2470.0	2.64	77.8%
<u>9</u>	2480.0	2.40	76.9%
<u>10</u>	2490.0	2.30	77.4%
<u>11</u>	2500.0	2.32	77.7%
<u>12</u>	--	--	--

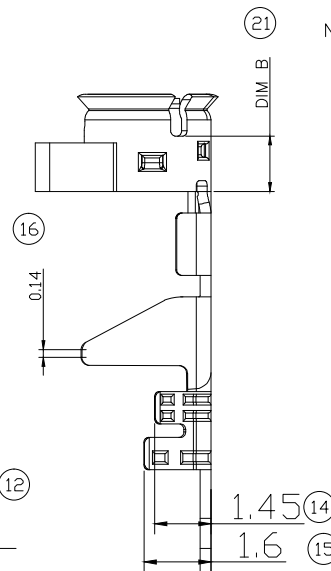
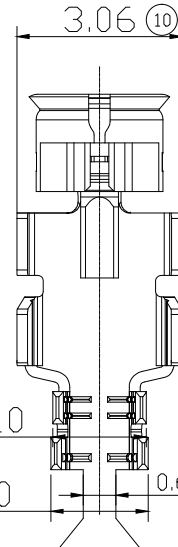
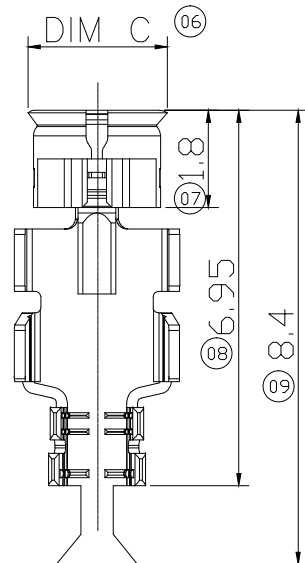
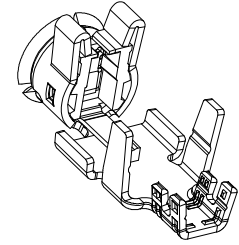
审核Checker: 王 俊

测试者Tester: Mark

REV.	ECN NO.	LOCAS.	DESCRIPTION	DATE	DESIGN
A0			The first edition released	2012.08.28	Mark

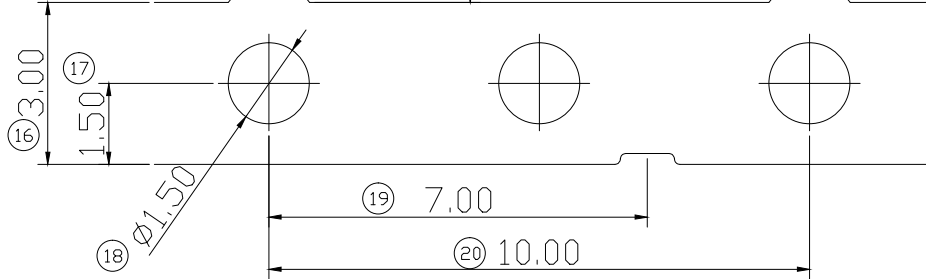


Mark Position



NOTE:

1. 塑胶材料: PBT热塑性塑胶 黑色;
HOUSING MATERIAL: THERMOPLASTIC PLASTIC, UL 94V-0, BLACK;
端子材料: 铜合金, 表面镀金; 外壳
CONTACT MATERIAL: COPPER ALLOY, GOLD PLATED ALL OVER;
材料: 铜合金, 表面镀金;
SHELL MATERIAL: COPPER ALLOY, GOLD OR NICKEL PLATED ALL OVER;
2. 产品性能:
PERFORMANCE:
 - 2.1. 接触阻抗: 20mΩ Max.
CONTACT RESISTANCE: 20mΩ Max.
 - 2.2. 耐电压: 200V AC, 1 Minute;
DIELECTRIC WITHSTANDING VOLTAGE: 200V AC FOR 1MINUTE;
 - 2.3. 绝缘阻抗: 500MΩ Min.
INSULATION RESISTANCE: 500MΩ Min.
 - 2.4. 插拔耐久性: 30次 Min.
DURABILITY: 30TIMES Min.
 - 2.5. 公母对插保持力: 5N Min.
DURABILITY: 5N Min.



DIM	TOL	DIM	TOL
X.	±0.30	X'.	±4.0'
X.X	±0.20	X.X'	±3.0'
X.XX	±0.15	X.XX'	±2.0'
X.XXX	±0.10	X.XXX'	±1.0'

HJ-Tech 东莞市皇捷通讯科技有限公司

DRAW NO.		DATE	DRAW NAME:			
DESIGN:	Mark	2012.08.28	1.13 I-PEX 1代 (内置高仿)			
CHECK:			FILE:	P/N NO.		
APPROVED:			MODEL:	2LM10P113210		
			REV. A0	SCALE N/A	UNIT: mm	SHEET: N/A

江阴凯博通信科技有限公司

JiangYin KaiBo Communication Technology CO.,LTD.

DATE : 2017-4-8

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客户/Customer:

规 格 书

Specification

RF113 系列

RF113 SERIES

50 Ω 射频电缆

50 Ω Coaxial Cable

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JiangYin KaiBo Communication Technology CO.,LID.

DATE : 2017-4-8

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1. 适用范围:

Scope

本规格书制定了 RF113 50 Ω FEP 绝缘射频电缆的结构和电气特性.

This specification covers the construction and the electrical properties of RF113 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	镀锡铜线 Tinned copper
	构成(根/mm)/Composition (No. /mm)	7/0.08 $\pm$ 0.005
	标称直径/NOM. O. D	0.24 $\pm$ 0.01
绝缘层 /Insulation	材料/Material	聚全氟乙丙烯/FEP
	标称外径/NOM. O. D	0.7 $\pm$ 0.03
	颜色/Color	Natural
编织层/Braid Shield	材料/Material	镀锡铜线 Tinned copper
	构成/Composition	16/4/0.05 $\pm$ 0.005
	遮蔽率/ Shielding rate	$\geq$ 90%
	标称直径/NOM. O. D	0.92 $\pm$ 0.03
护套/Jacket	材料/Material	聚全氟乙丙烯/FEP
	标称外径/NOM. O. D	1.13 $\pm$ 0.05
	颜色/Color	/

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

项目/Item	单位/Unit	详细资料/Details	
电容/Capacitance	pF/m	98	
特性阻抗/Conductor Resistance	Ω	50 $\pm$ 3.0	
耐压强度/Dielectric Strength	A. C V/1min	1000	
最大工作频率/Max. oper. frequency	MHz	6000	
抗拉强度/Tensile strength	kgf/mm ²	1.76	
工作温度范围/Operating Temp.	℃	-55to200	
衰减/Attenuation	/	频率 /Frequency (MHz)	dB/1m
		1000	$\leq$ 2.23
		2000	$\leq$ 3.15
		3000	$\leq$ 3.96
		4000	$\leq$ 4.6
		5000	$\leq$ 5.15
		6000	$\leq$ 5.7
驻波比/Standing wave (0-6GHz)	/	$\leq$ 1.4	

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DATE : 2017-4-8

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4. 包装 Packing

标准单位包装长度为1000米/盘,每盘最多允许5个接头,接头最短长度10米,在搬运过程中不能损坏包装.

Standard unit for the 1000m/reel length of packaging, each set up to allow 5 joints, the joint shortest length of 10m, The finished cable shall be packed not be damaged during transportation

结构图/Configuration

