



东莞市皇捷通讯科技有限公司

DONGGUAD HUANG JIE COMMUNI CAT ION TECHNOLOGY CO.,LTD.

3N0301BK-020

5GHz ISM Flexible Polymer

Key Features

5 GHz ISM

5150-5850 MHz

Embedded Antenna

Wifi Antenna

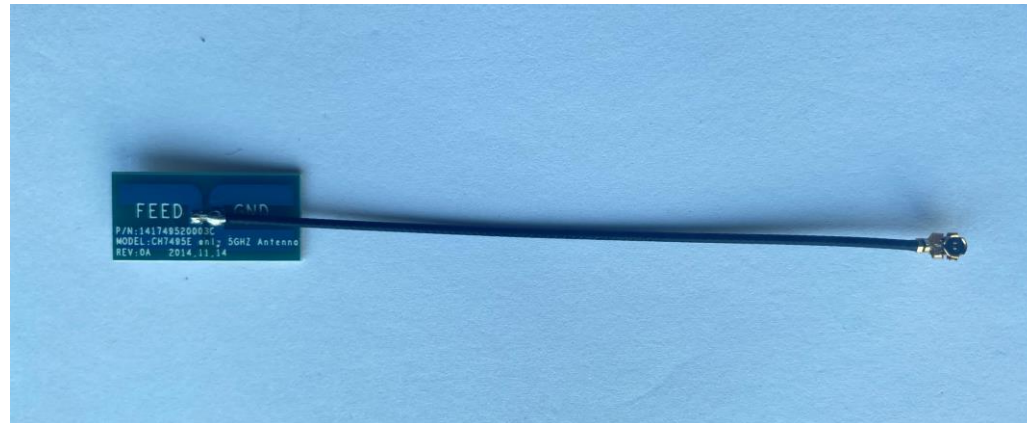
High Performance

Ground Plane Independent

Self-Adhesive

Dimensions 24.5 x 11.0mm

ustomizable Cable and Connecto



Description

3N0301BK-020 antenna is flexible high efficiency embedded solution covering 5GHz. Antenna can be easily mounted in most devices due to self-adhesive layer and small size. 3N0301BK-020 is omnidirectional, ground plane independent antenna. Cable and connector is upon request.

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岷地工业区

网址:www.iphone-line.com

电话:0769-83328111

FAX:83327688





Antenna and electrical specifications

Parameters	5GHz ISM Flexible Polymer
Standards	5G
Band (MHz)	5GHz
Frequency (MHz)	5150-5850 MHz
Return Loss (dB)	-15.6
VSWR	<2.0
Efficiency (%)	40-60
Peak Gain (dBi)	3
Impedance (Ohm)	50
Polarisation	Linear
Radiation Pattern	Omni-Directional
Max. Input Power (W)	25
Connector Type	Most RF Connectors (U.FL Standard)
Cable Length	Any Cable Length (94.5mm Standard)
Cable Type	Other Cables Available (1.13mm Standard)

Antenna Measurement Conditions:

Mounted 40x10x0.3 Cm ABS Plastic Plate

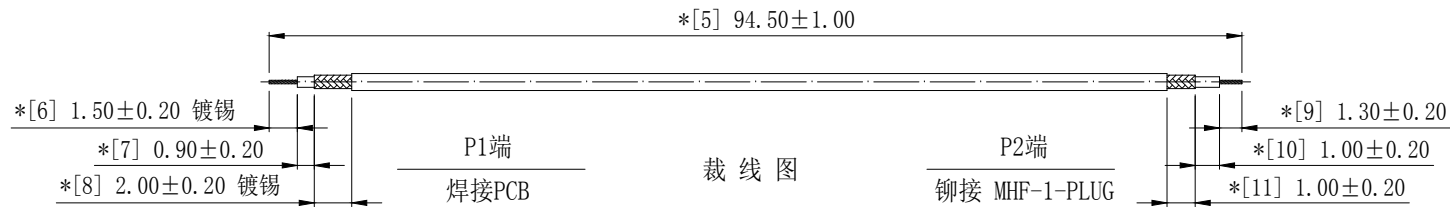
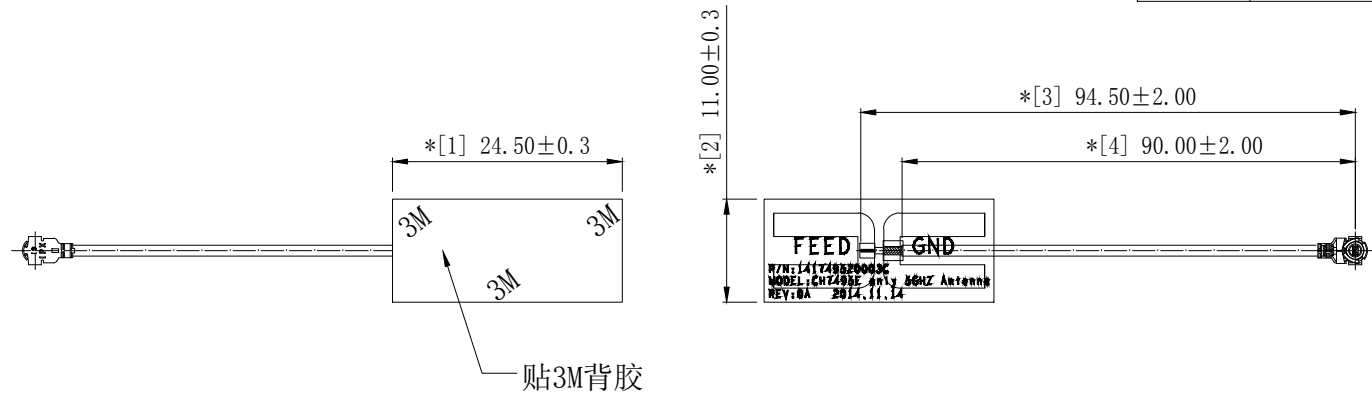
Measured in Certified CTIA 3DAnechoic Chamber



Mechanical and environmental specifications

Specifications	3N0301BK-020
Mounting Type	Self-Adhesive
Dimensions (mm)	40.0 x 6.0mm
Adhesive Type	3M
Material	Flexible Polymer
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

REVISION	DESCRIPTION	DATE	DRAFTER
A0	FIRST RELEASE	18.07.12	DENGJUN. TAN



技术要求:

- 1 方向要求: 端子口方向指向PCB侧面向下, 如图所示。
- 2 电气特性: 特性阻抗: 50Ω; 频率范围: 5.15GHz-5.85GHz; 驻波比: 最大2.00; 增益: 峰值增益3dBi。
检验方法: 单测天线, 使用矢量网络分析仪100%测试。
- 3 尺寸检验: [*]为FAI检测项目; *为重点检测项目; ■为CPK管制项目。
- 4 外观检验: 电缆裁切须平整, 镀锡须光亮, 导体不得有多余股数伸出与散乱; PCB不得有划痕、刮伤、露铜等不良, 焊接须饱满, 不得有假焊、虚焊、毛刺; 电缆外被不得有破损、折皱及异色等不良。
检验方法: 目视全检。
- 5 包装规范: 25PCS/扎, 4扎/包, 即100PCS/包。
- 6 环保要求: 产品及其使用之物料皆需要符合RoHS要求。

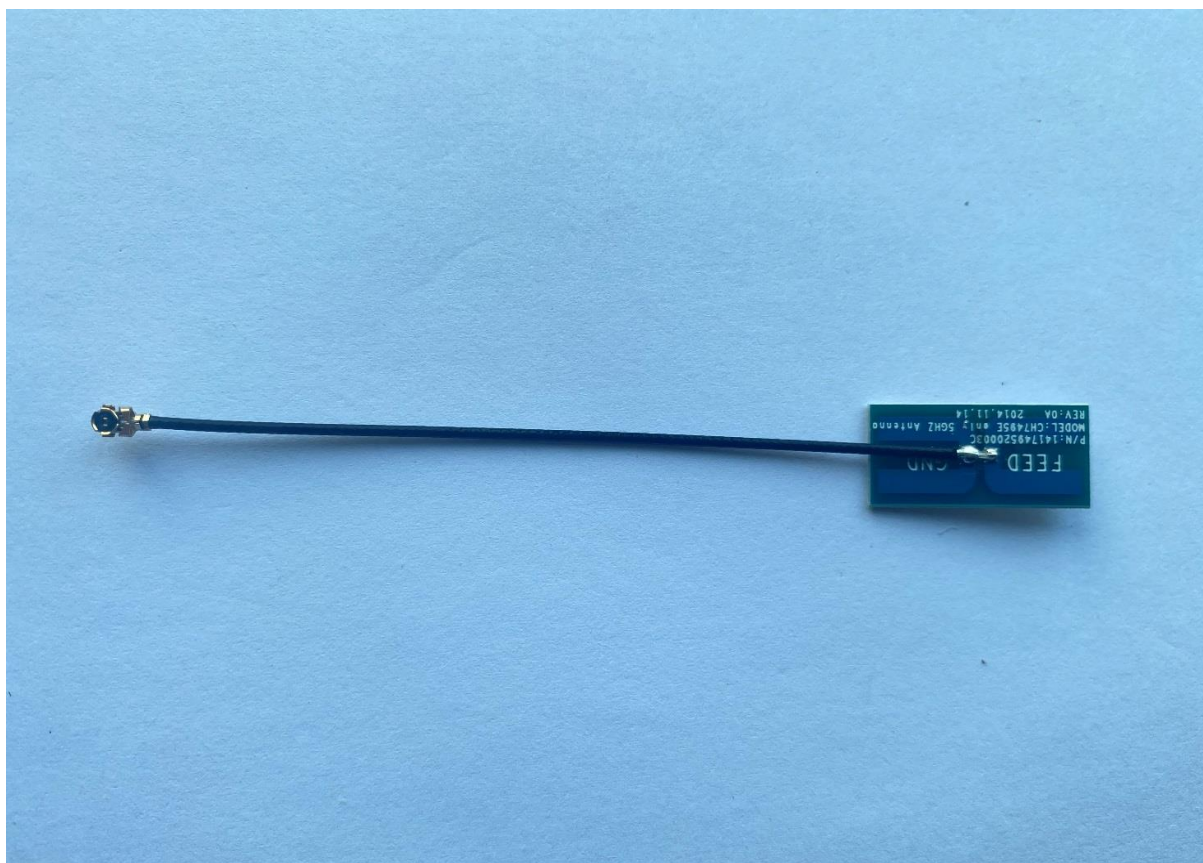
3	2YP050	L24.5*W11.0*T1.0mm, 材质FR-4; 焊盘OSP处理	1	---
2	2LM1OP113210	MHF-1-PLUG FOR OD1.13 CABLE	1	---
1	2C5M11312BK1	微细同轴电缆, OD1.13, 双锡线, 黑色	1	依裁线图裁线
No.	PART NUMBER	PART NAME & DESCRIPTION	Q' TY	REMARKS

GENERAL TOLERANCE: LINEAR: X ±0.20 X.X ±0.15 X.XX ±0.05 X.XXX ±0.01 ANGLE: X° ±4.00° X.X° ±3.00° X.XX° ±2.00° X.XXX° ±1.00°		HJ-Tech 东莞市皇捷通讯科技有限公司 FILE NAME: 产品图 TITLE: 射频天线组件 ENG/DATE: DENGJUN. TAN/18.07.12 1.13黑色双锡线, P1端焊接PCB, P2端打一代端子, 外露线长L=94.5mm (3dB 5.15-5.85GHz) CHE/DATE: . P/N: 3N0301BK-020 APP/DATE: . UNIT: mm SCALE: 1:1 REVISION: A0 SHEET: 1/1		
---	--	---	--	--

COMPLIANCE WITH THE REQUIREMENT: ■RoHS; □HF; □SONY SS-00259; □OTHERS
*NO USING ESTRICED AND BANNED SUBSTANCE

H410

实物照片



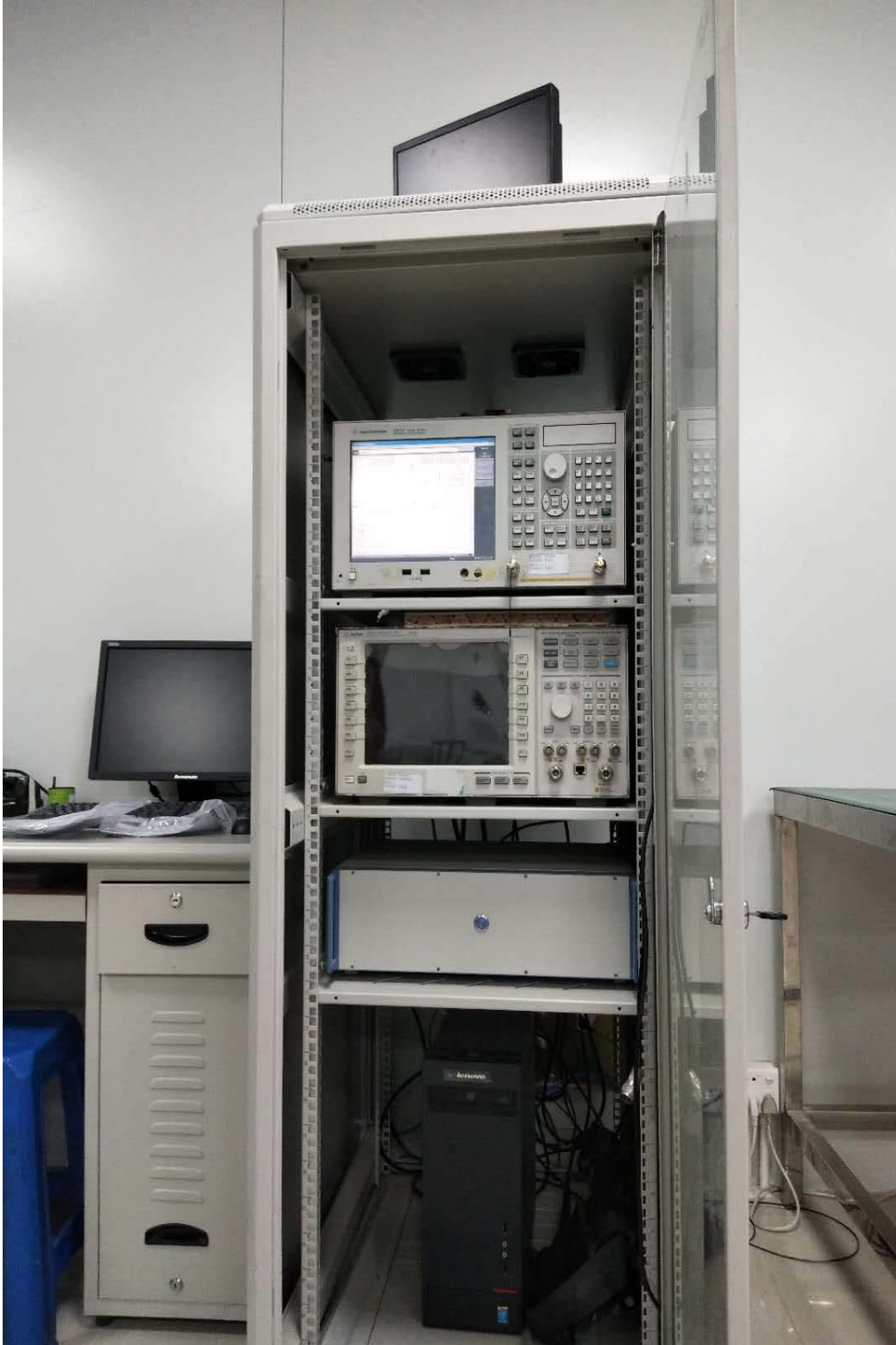
DONGGUAN HUANGJIE COMMUNICATION TECHNOLOGY CO., LTD.

东莞市皇捷通讯科技有限公司

电气特性测试报告

——网络分析仪测试

1 测试图示

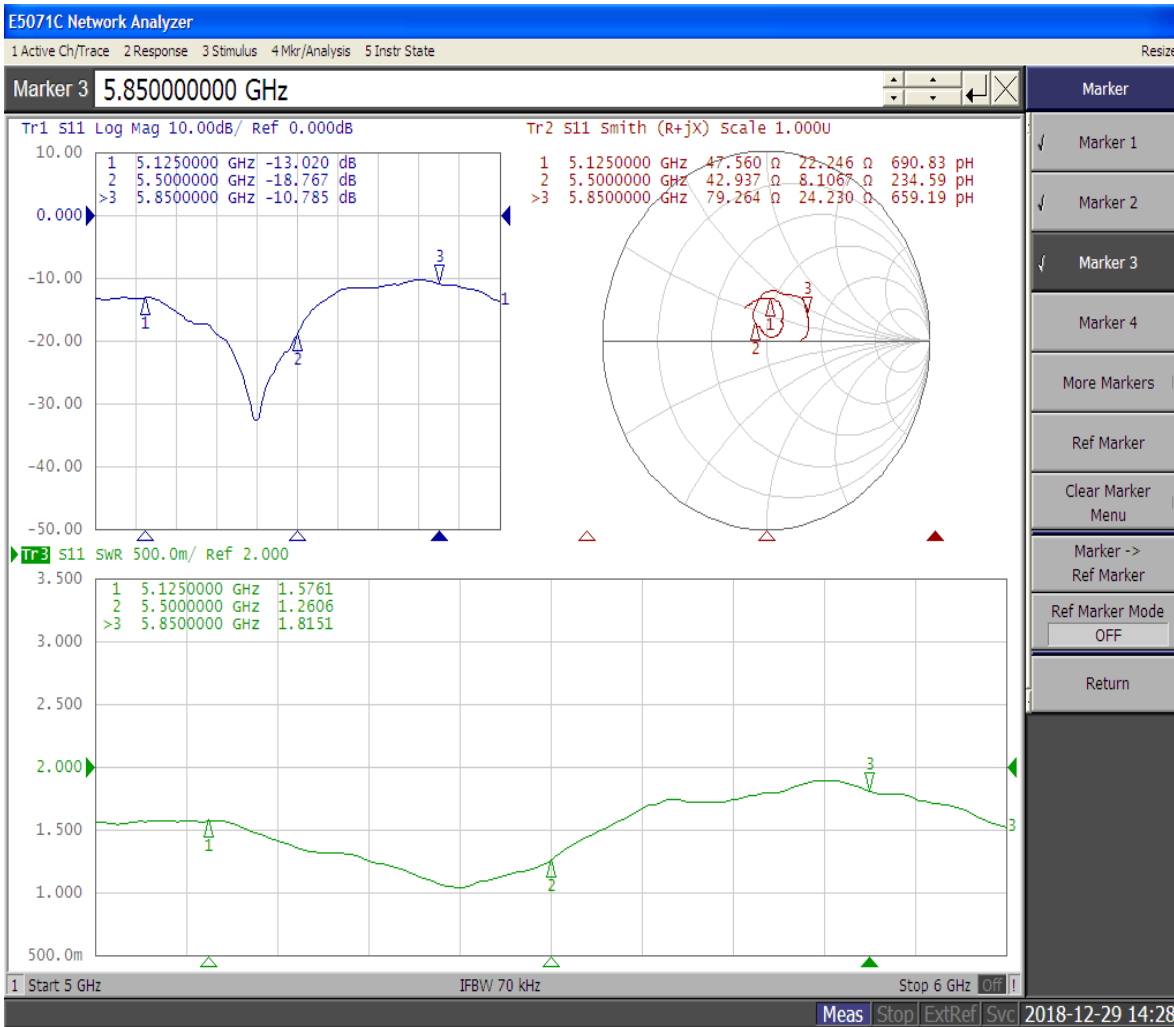


东莞市皇捷通讯科技有限公司

电气特性测试报告

——网络分析仪测试

2 测试报告

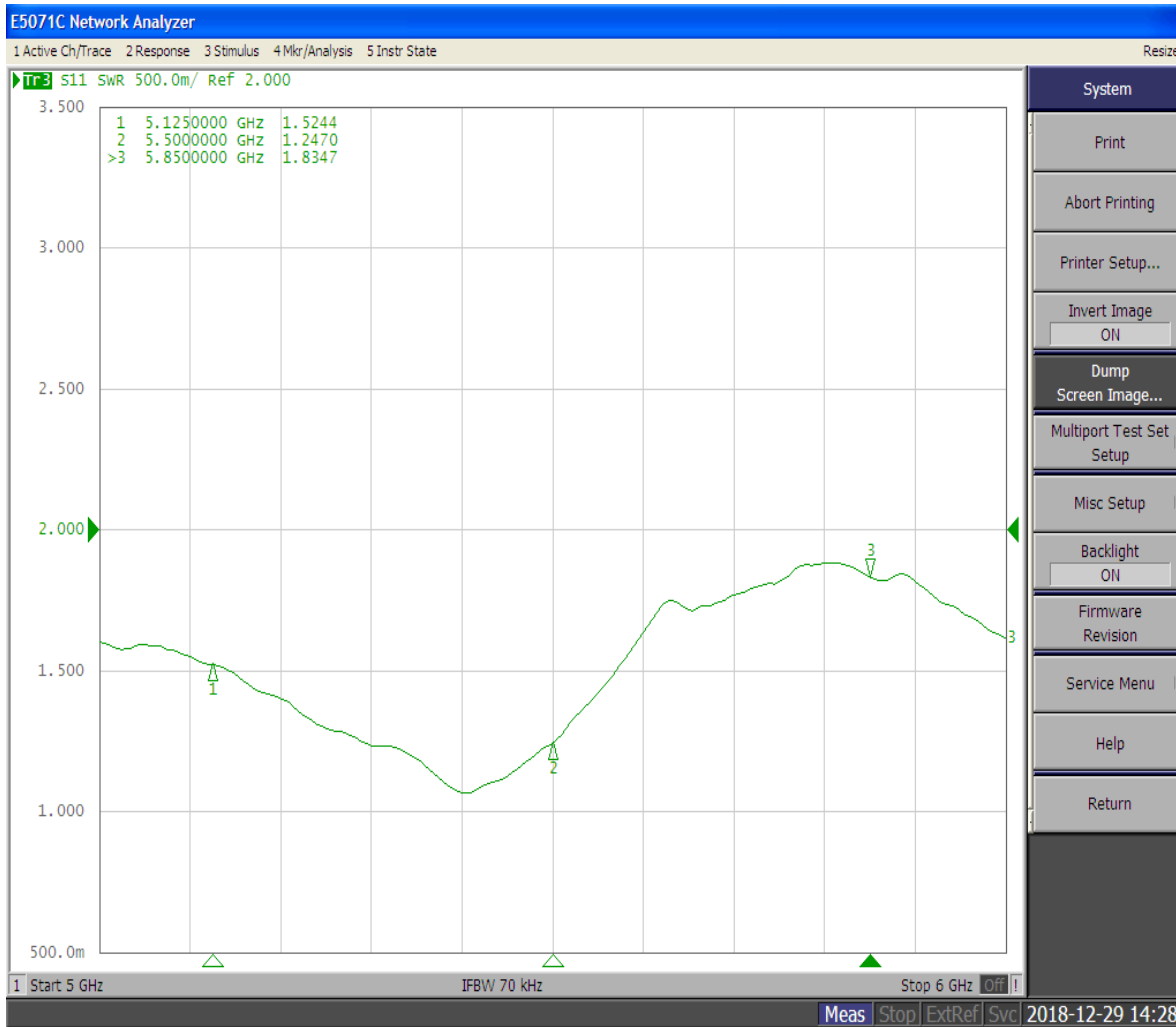


东莞市皇捷通讯科技有限公司

电气特性测试报告

——网络分析仪测试

3 测试报告-VSWR

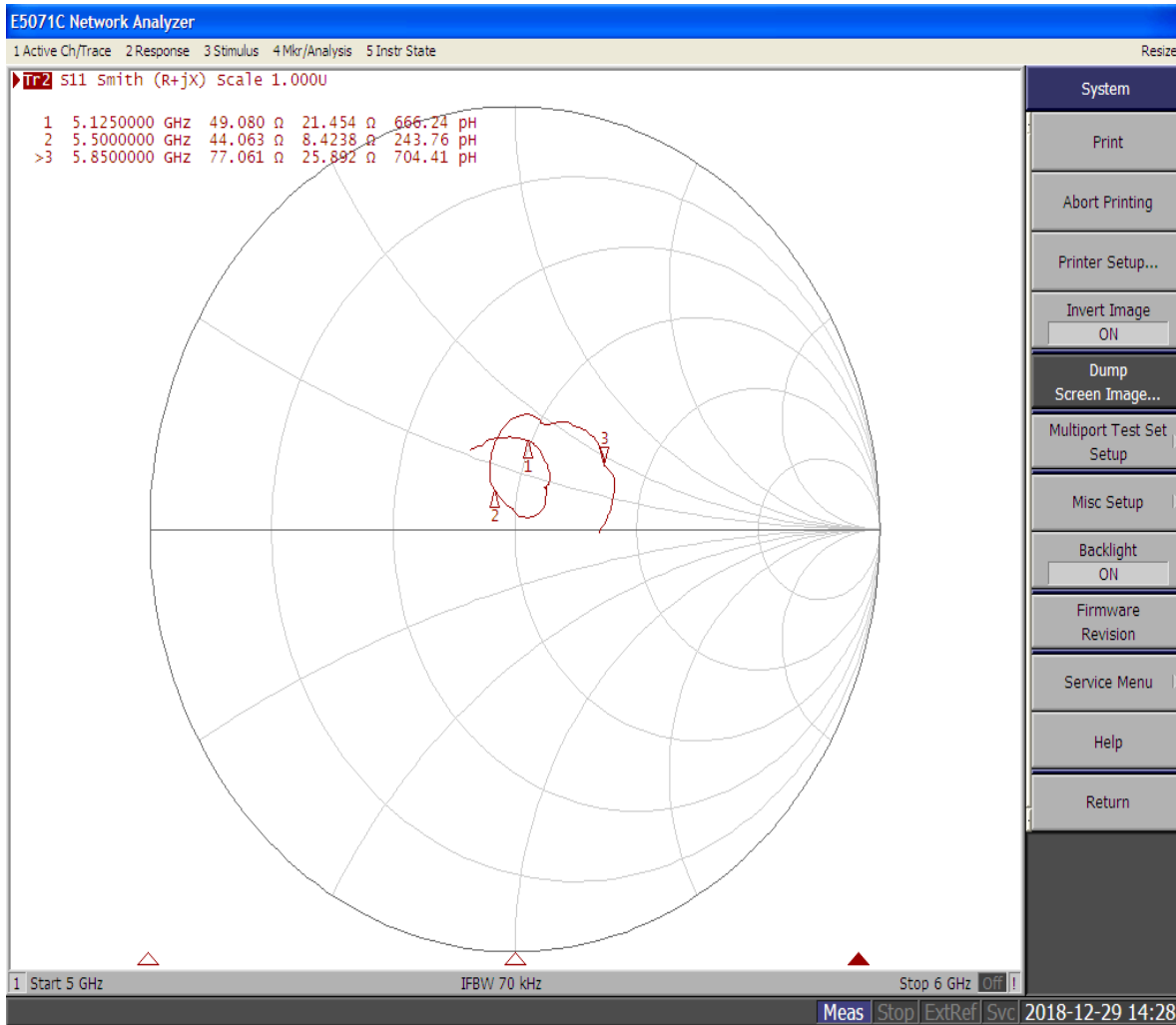


东莞市皇捷通讯科技有限公司

电气特性测试报告

——网络分析仪测试

4 测试报告-SMITH CHART



东莞市皇捷通讯科技有限公司

电气特性测试报告

——网络分析仪测试

5 测试报告-RETURN LOSS

