



REPORT No. : HY150607001

ANTENNA PERFORMANCE TEST REPORT

客户名称 (Customer Name): 德信无线

产品名称 (Product Name):

型号名称 (Model Name): J5

商品名称 (Trade Name):

品牌名称 (Brand Name): 德信

执行标准 (Standards): IEEE-149-4979

签发日期 (Issue Date): 2015-6-7

Huayu electronic technology Co.,Ltd.

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测试报告描述Test Report Declaration

Test Report Declaration

客户名称 Customer Name	德信
客户地址 Customer Address	北京亦庄经济技术开发区荣昌东街甲 5 号
工厂名称 Manufacturer	
工厂地址 Manufacturer Address	
产品名称 Product Name	
型号名称 Model Name	J5
品牌名称 Brand Name	德信
硬件版本 HW Version	V1.1
软件版本 SW Version	V1.0
测试执行标准 Test Standards	IEEE149-1979
测试日期 Test Date	2015-6-7
测试结果 Test Result	Pass

测试 Tested By: _____

Yesheng

复核 Reviewed By: _____

Huangwei

承认 Approved By: _____

Wangle

1. 技术信息Technical Information

由客户提供 Note: Provide by applicant

1.1 客户信息Applicant Informantion

Company: TechFaith Wireless Communication Technology LTD.

Address: Building C, No. 5A, RongChang East Street, Beijing Economic-Technological
Development Area (Yi Zhuang), Beijing, China (100176)

1.2 被测设备描述Equipment under Test (EUT) Description

品牌名称 Brand Name	德信
商品名称 Trade Name	手机
型号名称 Model Name	J5

1.2.1 被测设备图片Photographs of the EUT

参考附件 C Please reference ANNEX C

1.2.2 所有关被测设备信息Identification of all used EUTs

The EUT identity consists of numerical and letter characters, the letter character indicates the test sample, and the following two numerical indicate the software version of the test sample.

EUT Identity	Hardware Version	Software Version
A01	V1.1	V1.0

2. 测试结果Test Results

2.1 测试依据文件Applied Reference Documents

Leading reference documents for testing:

No.	Identity	Document Title
1	IEEE149-1979	IEEE Starnard Test Procedures for Antennas

2.2 测试条件Test Conditions

2.2.1 测试环境条件Test Environment Conditions:

Relative Humidity	15...75%
Temperature	+10°C to +30°C

2.2.2 匹配电路 Matching Circuit

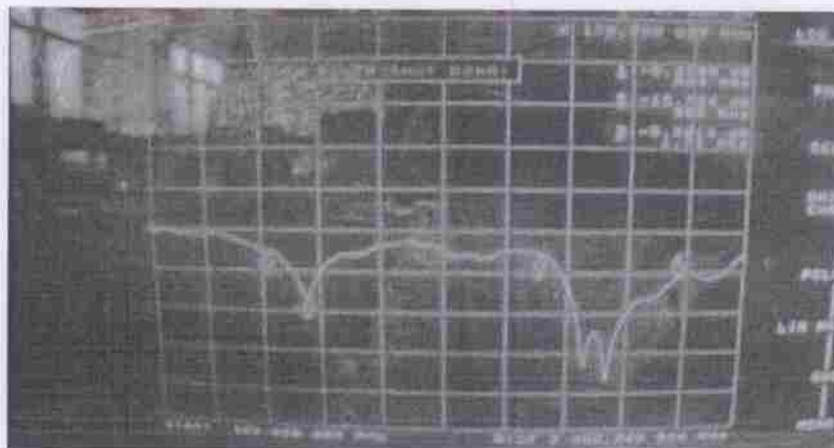
保持原匹配电路不变

2.3 测试结果表Test Results Lists

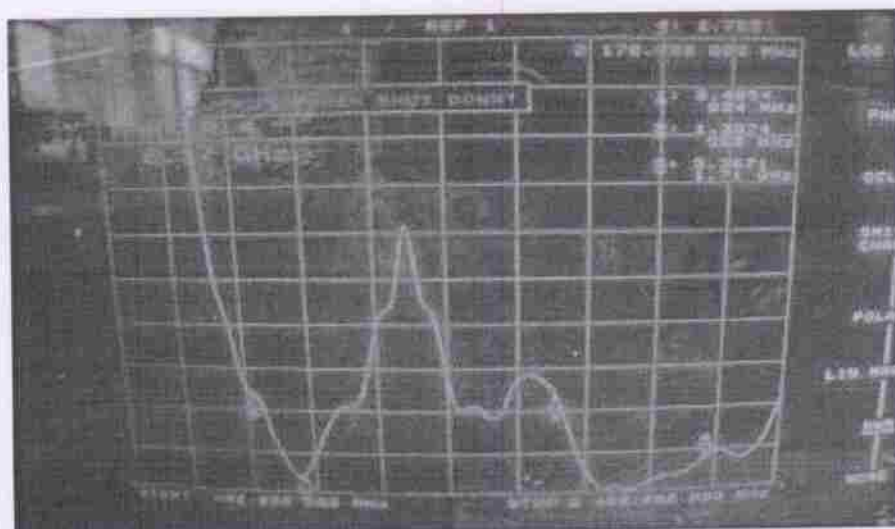
2.3.1 反射衰减和电压驻波比 ReturnLoss and VSWR

Marker	824MHz	960MHz	1710MHz	2170MHz
Returnloss	-5.2	-15.7	-5.3	-10.7
VSWR	3.4	1.5	3.45	1.8

ReturnLoss:



VSWR:



2.3.2 总平均功率和灵敏度TRP and TIS

单位: dBm

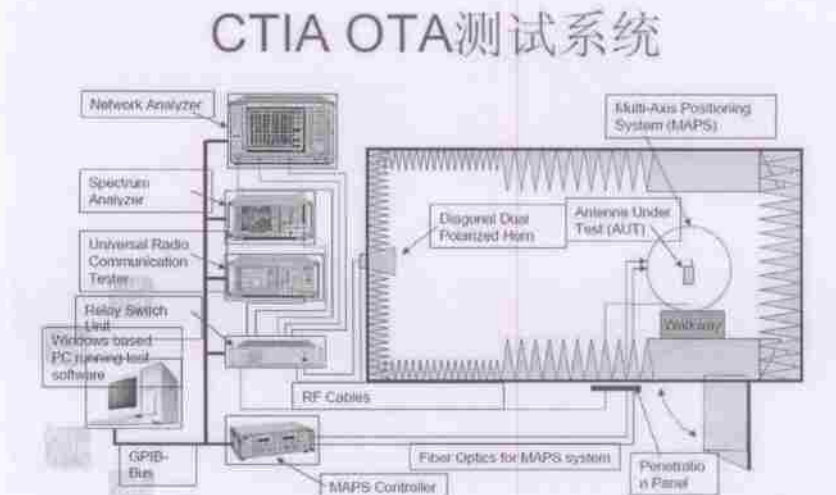
		GSM900			DCS1800		
信道		975	37	124	512	698	885
Tx	TRP	29.5	28.4	28.6	26.4	26.8	26.9
Rx	TIS	-106.1	-105.5	-104.9	-105.3	-105.6	-104.8
Tx	Max	32.3	31.3	31.7	30.8	30.5	29.7
Rx	Min	-109.2	-109.0	-108.8	-110.0	-110.5	-110.1
		GSM850			PCS1900		
信道		128	190	251	512	650	810
Tx	TRP	30.6	30.9	30.6	26.5	26.4	26.4
Rx	TIS	-106.4	-106.5	-105.8	-103.4	-104.9	-103.8
Tx	Max	33.3	33.6	33.4	29.5	29.8	29.8
Rx	Min	-109.1	-109.3	-108.8	-107.2	-109.8	-107.1

Band	W850			W1900		
Channel	4358	4400	4457	9663	9800	9937
TRP	20.8	21.0	20.7	18.7	19.1	18.0
TIS	-107.8	-108.7	-108.2	-107.7	-108.8	-107.6
TxMax	23.5	23.8	23.5	23.2	23.4	22.2
RxMin	-111.9	-111.6	-111.4	-111.6	-112.3	-110.9

Band	W2100					
Channel	10562	10700	10838			
TRP	18.1	19.7	18.2			
TIS	-106.9	-107.2	-108.0			
TxMax	22.0	23.3	21.9			
RxMin	-110.5	-110.9	-111.6			

附件A 测试原理Annex A Test Setup

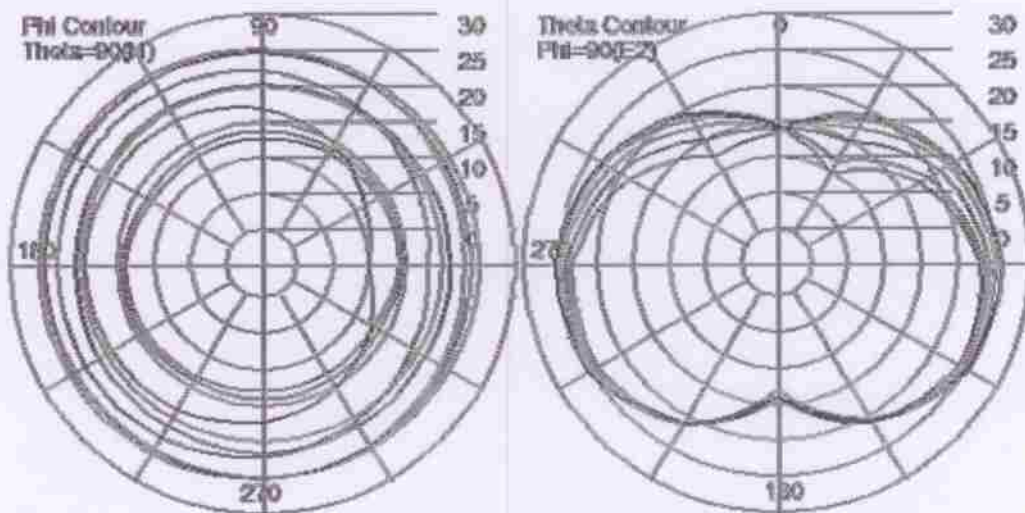
1. Test Setup



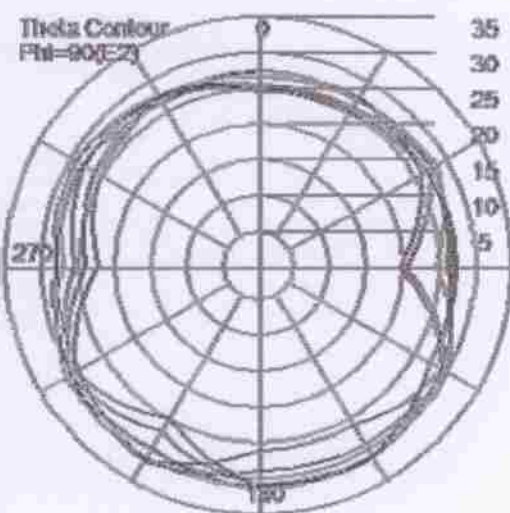
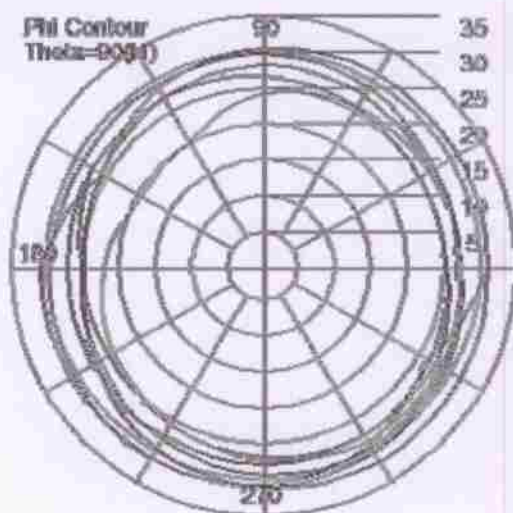
附录B 方向图Annex B Figures

1. 2D Radiation Pattern

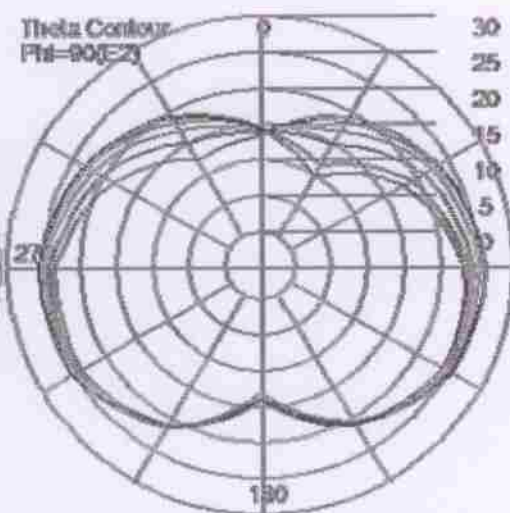
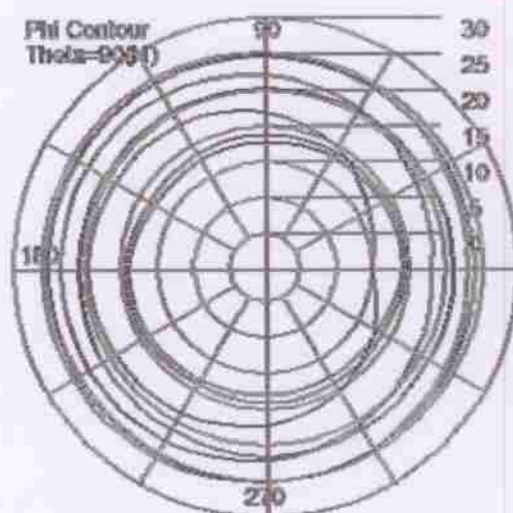
GSM Channel 190



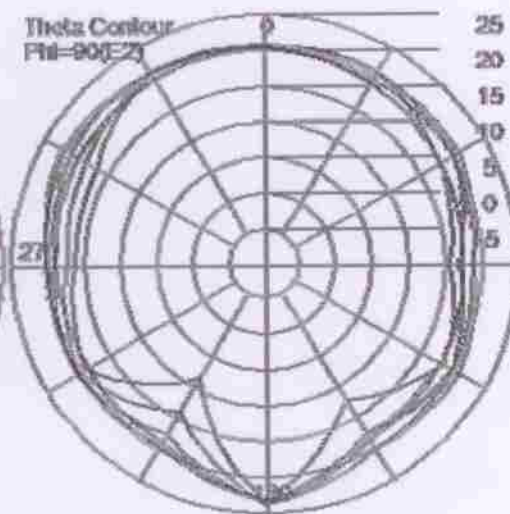
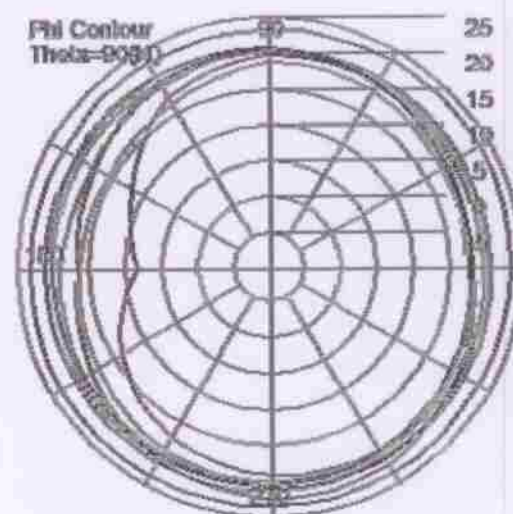
DCS Channel 698



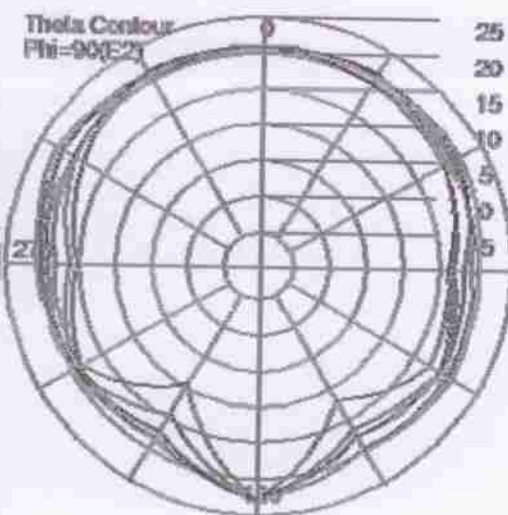
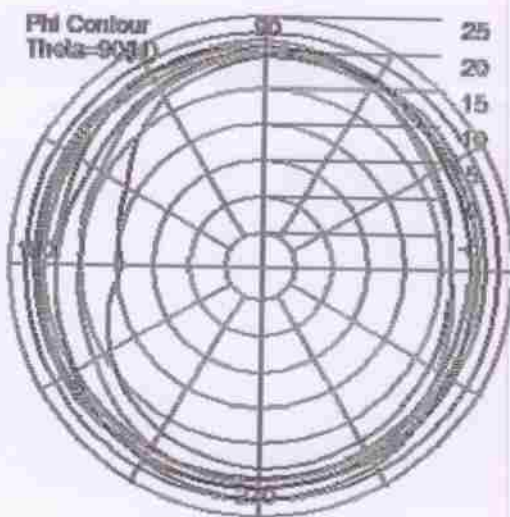
WCDMA 850



WCDMA1900

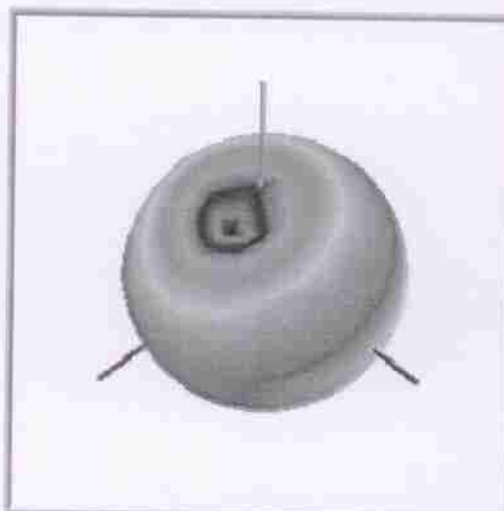


WCDMA2100

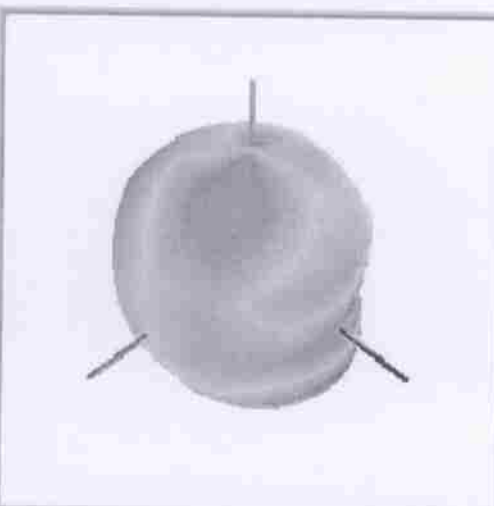


2. 3D Radiation Pattern

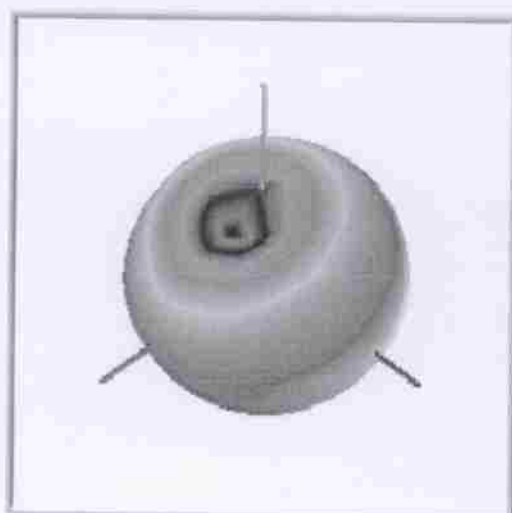
GSM Channel 190



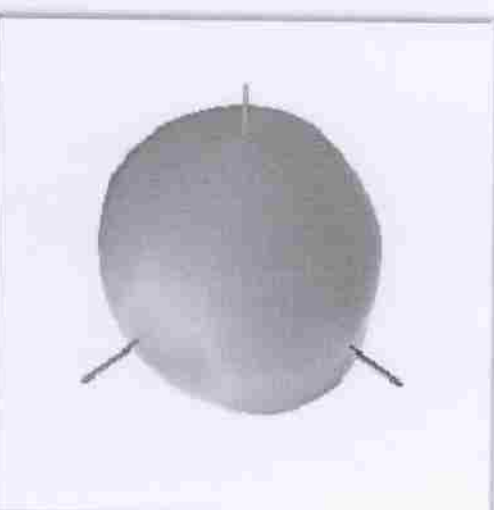
DCS Channel 698

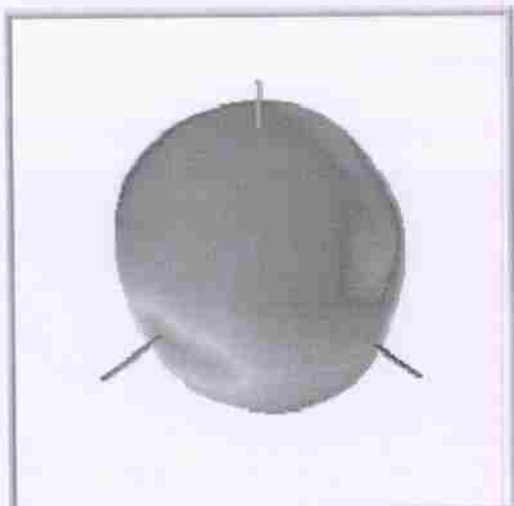


WCDMA850



WCDMA1900





附录 C 测试设备图 Annex C Photographs

1. Test Environment



2. EUT

附录D通用信息Annex D General Information

1.1 Identification of the Responsible Testing Laboratory

Company Name	Huayu Electronic Technology Co., Ltd.
Department	R&D Department Shenzhen
Address	Nanshan district Majialong Industry Park
Responsible Test Lab Manager	hexudong
Telephone	0755-86006322
Facsimile	0755-86006323

1.2 Identification of the Responsible Testing Location

Name	何旭东
Address	

1.3 Test Equipments Utilized

1.3.1 List of Test Equipment

No.	Type	Specification
1	8960-5515C System simulator	Manufacturer: Agilent
2	E5071C Vector Network Analyzer	Manufacturer: Agilent
3	6x3x3 Full Anechoic Chamber	
4	EST Measurement System	

*****End of Report*****

