



检测报告编号: 2015F33-60-000046

Test report series No.



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SHANGHAI INSTITUTE OF MEASUREMENT AND TESTING TECHNOLOGY
NATIONAL CENTER OF MEASUREMENT AND TEST FOR EAST CHINA
NATIONAL CENTER OF TESTING TECHNOLOGY, SHANGHAI

TEST REPORT

上海市计量测试技术研究院
华东国家计量测试中心
中国上海测试中心

检 测 报 告

委 托 者 Customer	深圳金芝麻科技有限公司
委托者地址 Address of customer	深圳市龙华新区民治光浩国际中心 20H
样 品 名 称 Name of sample	电神手机贴
制 造 厂 Manufacturer	深圳金芝麻科技有限公司
型 号 / 规 格 Model/Specification	/
样 品 编 号 No. of sample	001



批准人/ 职务 Approved by / Functions	桑昱	
核 验 员 Checked by	左建生	
检 测 员 Tested by	陈超婵	

副所长

检测日期	2015	年	01	月	26	日
Date for test		Year		Month		Post Code

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Tel. for complaint



国家法定计量检定机构计量授权证书号(中心/院): (国)法计(2012)01039号/(2012)01019号
The number of the Certificate of Metrological Authorization to The Legal Metrological Verification Institution is No. (2012) 01039/ No. (2012) 01019

中国合格评定国家认可委员会实验室认可证书号: No. CNAS L0134

The number of the certificate accredited by CNAS is No.L0134

中国国家认证认可监督管理委员会资质认定计量认证证书(CMA)号: 2012000597E

The number of the metrology accreditation certificate by CNCA is No. 2012000597E

本次检测所依据的技术规范(代号、名称):

Reference documents for the test (code, name)

SJ20524-1995 材料屏蔽效能的测量方法

Measuring methods for shielding effectiveness of materials

本次检测所使用的主要测量仪器:

Main measuring instruments used in this test

名称/型号 Name/Model	编号 Number	证书编号/有效期限 Certificate No./Due date	测量范围/准确度等级或 最大允差或不确定度 Measurement range/accuracy class or maximum permissible errors or uncertainty of measurement
信号发生器/ 8648C Signal generator	3642U01967	2014F33-10-000830 /2015.05.04	f:9kHz~3200MHz, P: (-136~13)dBm / ± 1 dB
频谱分析仪/E4447A Spectrum analyzer	MY46180198	2014F33-10-001283 /2015.06.15	f:3Hz~42.98GHz, P:< 30dBm / ± 1 dB

检测地点及环境条件:

Location and environmental condition for the test

地点: 院总部电学楼 206 室

Location

温度: 20 °C; 湿度: 57 %RH; 其它:

Ambient temperature

Relative humidity

Others

检测结果/说明:

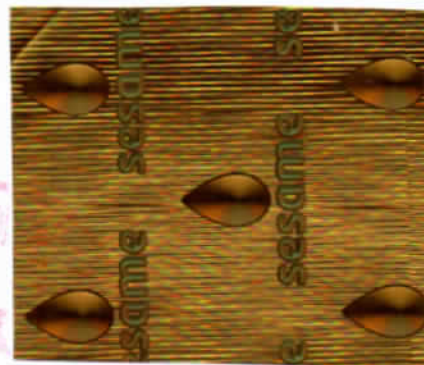
Results of test and additional explanation

检测结果见续页。

Results of test in the continued page

附被检测样品(取样品中间位置检测):

Sample under test(test the middle site of the Sample):



本报告提供的结果仅对本次被测的样品有效。

The data are valid only for the sample(s).

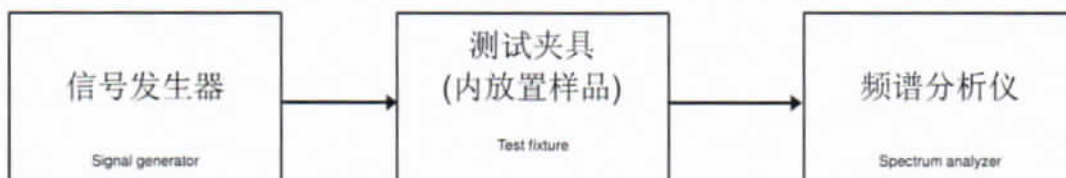


检测结果/说明 (续页):

Results of test and additional explanation (continued page)

一、检测装置示意图:

Detector set schematic drawing



$$\text{屏蔽效能 } SE_{dB} = P_1 - P_2, \quad SE_{\%} = (1 - 10^{-SE_{dB}/10}) \times 100\%$$

Shielding Effectiveness

 SE_{dB} ——屏蔽效能的对数表示方式: (dB)

Shielding Effectiveness of logarithmic representation

 $SE_{\%}$ ——屏蔽效能的线性表示方式: (%)

Shielding Effectiveness of a linear representation

 P_1 ——测试夹具中不放置屏蔽材料时频谱分析仪读数: (dBm)

spectrum analyzer readings when shielding material is not placed on Test fixture

 P_2 ——测试夹具中放置屏蔽材料时频谱分析仪读数。(dBm)

spectrum analyzer readings when shielding material is placed on Test fixture

二、屏蔽效能检测结果:

Results of Shielding Effectiveness test

频率(MHz)	P_1 (dBm)	P_2 (dBm)	SE_{dB} (dB)	$SE_{\%}$ (%)
10	-0.1	-30.5	30.4	99.909
30	-0.1	-28.5	28.4	99.855
100	-0.3	-36.2	35.9	99.974
300	-0.5	-37.0	36.5	99.978
1000	-0.7	-38.7	38.0	99.984
3000	-1.1	-38.1	37.0	99.980

检测结果内容结束

end

检测专用章

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