



Radiation Technology, Inc.

昆山昕芮特电子科技有限公司

Specification For Approval

Customer:103100

**Description: AFL2-07A/08A WIFI ANTENNA LEFT
LENGTH=150mm**

Customer P/N: 32505-005202-100-RS

RTI P/N: C0255-ANG0053

Customer Rev: N/A

RTI Rev: SA Date:2016.09.08

Customer Approval Result

Radiation Technology Inc. Approval



www.rt-inc.com

OQS

SYSTEM CERTIFIED

ISO/TS 16949:2009 No.01274/0

ISO 9001:2008 No.04431/0

ISO 14001:2004 No.01578/0

A

B

C

D

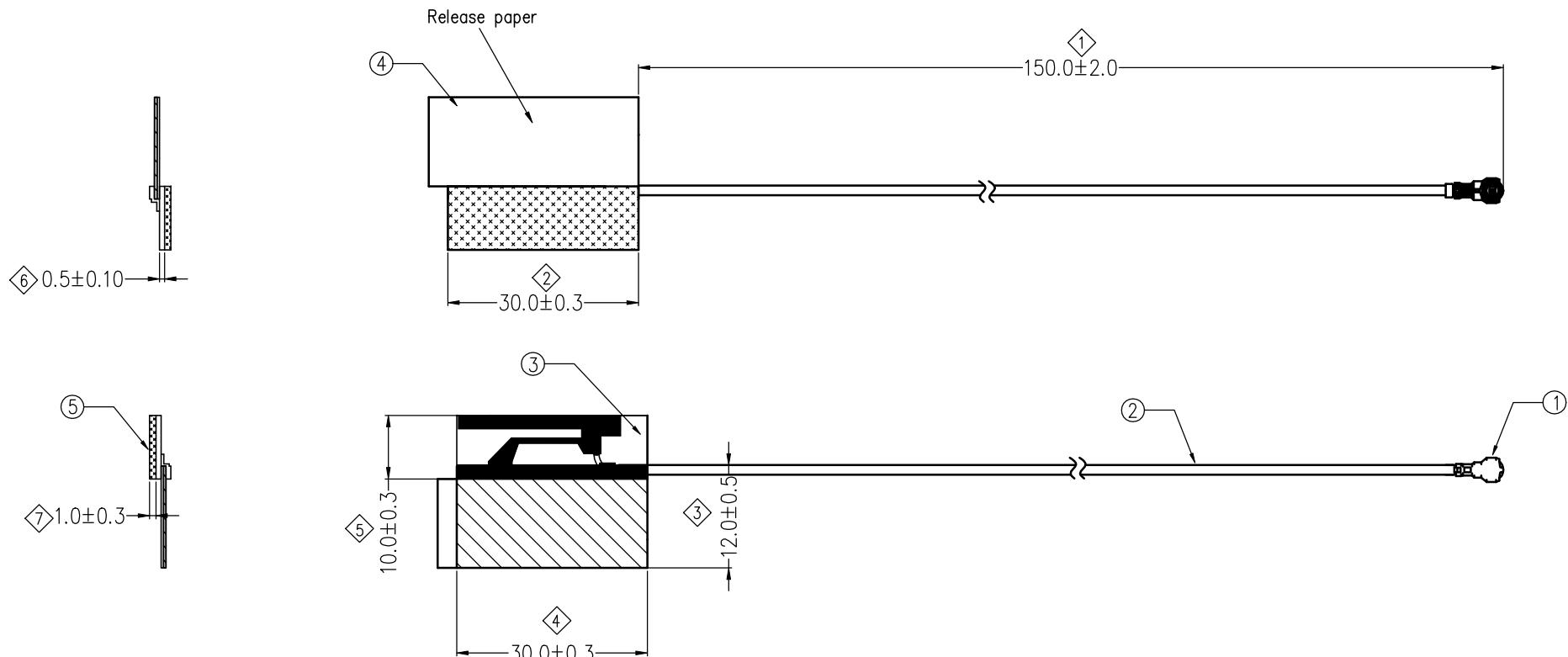
E

F

UNLESS OTHERWISE NOTED, THIS DOCUMENT CONTAINS EXCELTEK CONFIDENTIAL INFORMATION.
REPRODUCTION, USE, DISCLOSURE OR TRANSMISSION OF ALL OR ANY PART OF THIS DOCUMENT IS
PROHIBITED EXCEPT TO THE EXTENT APPROVED IN WRITING BY AN AUTHORIZED REPRESENTATIVE
OF EXCELTEK. EXCELTEK RESERVES ALL RIGHTS UNDER PATENTS, TRADEMARKS, COPY RIGHTS AND
TRADE SECRETS. COPYRIGHT, EXCELTEK, 2007. ALL RIGHTS RESERVED.

THE COMPONENT(S), INCLUDING ANY PLATING OR COATINGS,
SUPPLIED PER THIS DRAWING MUST BE COMPLIANT WITH EU
DIRECTIVE 2011/65/EU (RoHS DIRECTIVE)

版本	工程变更单号	变更内容	变更人/日期
SA	无	首次发行	Wendy/2016.09.08



NOTES:

1. Bandwidth: 2~6GHz
2. Frequency: 2.7~2.8GHz<2.2, 5.2~6GHz<2.2
3. Peak gain: 2.0dBi(Excluding cable loss)
4. Impedance: 50 ohm
5. Radiation: Omni-directional
6. Polarization: Vertical
7. Operating temperature range -20°C to +65°C

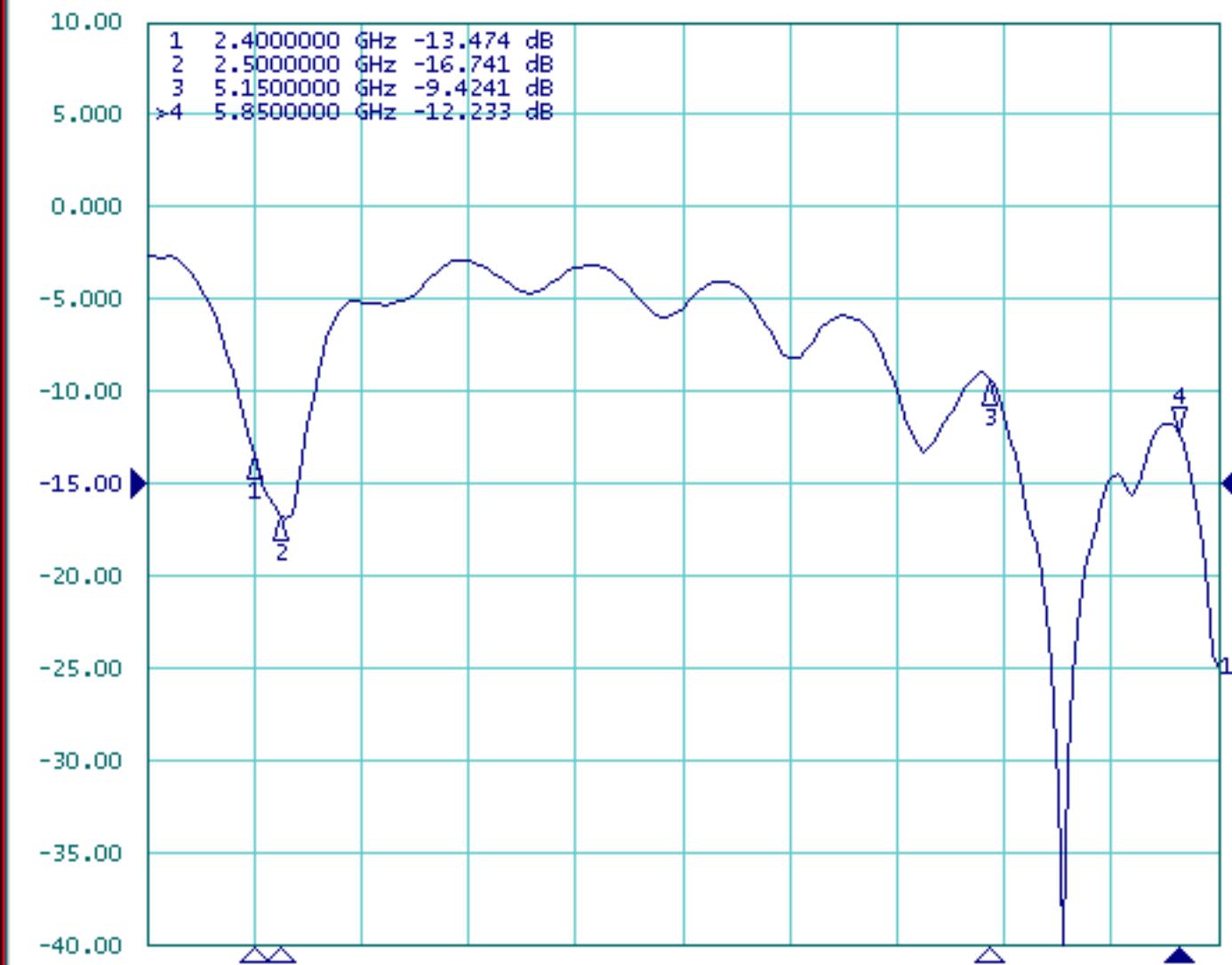
ITEM	NAME	MATERIAL	QTY
BILL OF MATERIAL			

第三角投影法		图纸核准		客户: 103100	客户料号: C0255-ANG0053
未注公差		审核:	核准:		
一位小数	.X	N/A			
两位小数	.XX	N/A			
三位小数	.XXX	N/A	图幅: A4	单位: mm	品名规格: AFL2-07A/08A WIFI ANTENNA LEFT LENGTH=150mm
孔径	.XX	N/A			
角度	±0.5°	比例: X : X			页码: 1 OF 1
					客户版本: N/A
					昕芮特版本: SA

 **Radiation Technology, Inc.**
昆山昕芮特电子科技有限公司

www.rt-inc.com

►Tr1 S11 Log Mag 5.000dB/ Ref -15.00dB [F1]



System

Print

Abort Printing

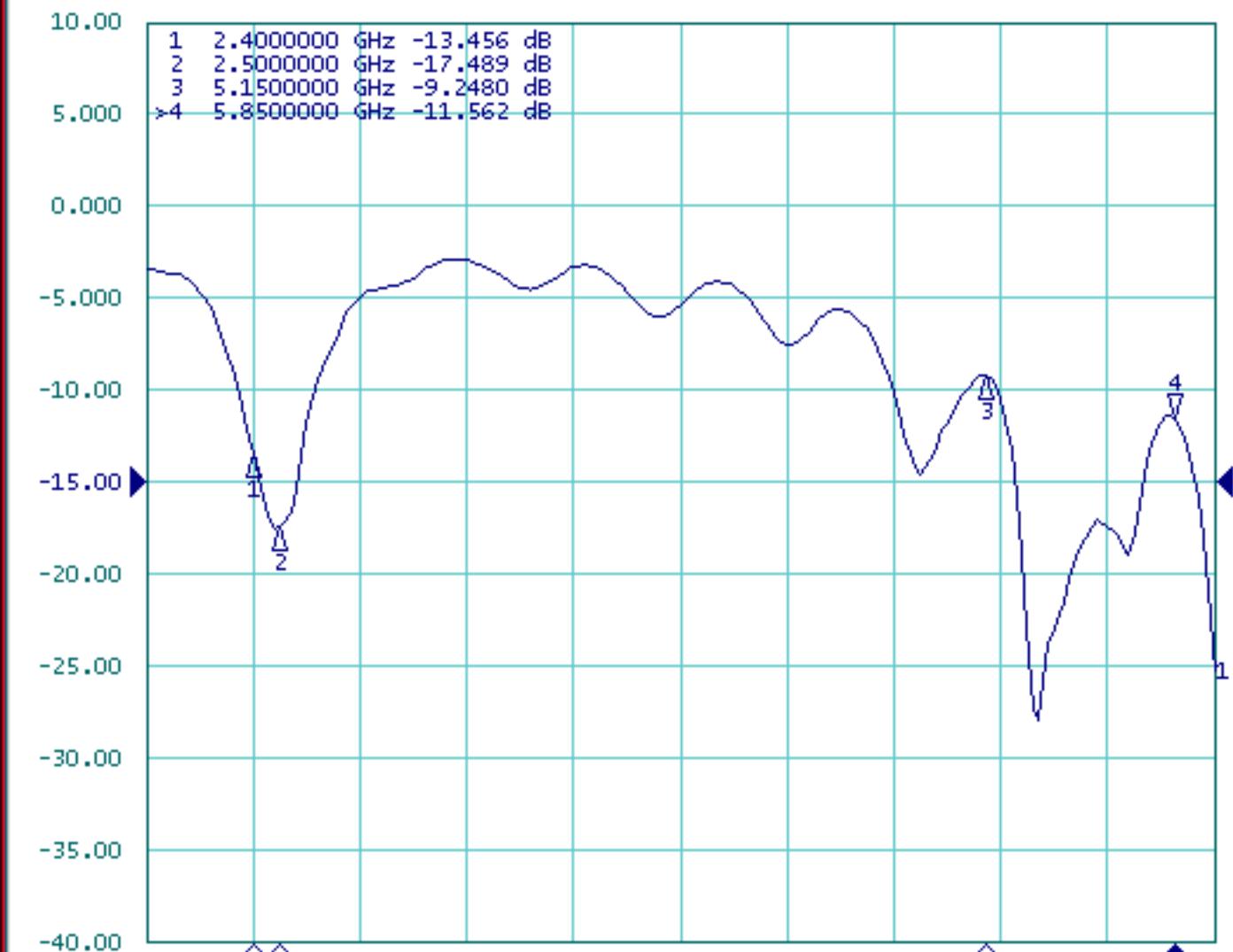
Printer Setup...

Invert Image
ONDump
Screen Image...Multiport Test Set
Setup

Misc Setup

Backlight
ONFirmware
Revision

► Tr1 S11 Log Mag 5.000dB/ Ref -15.00dB [F1]



System



Print

Abort Printing

Printer Setup...

Invert Image
ONDump
Screen Image...Multiport Test Set
Setup

Misc Setup

Backlight
ONFirmware
Revision

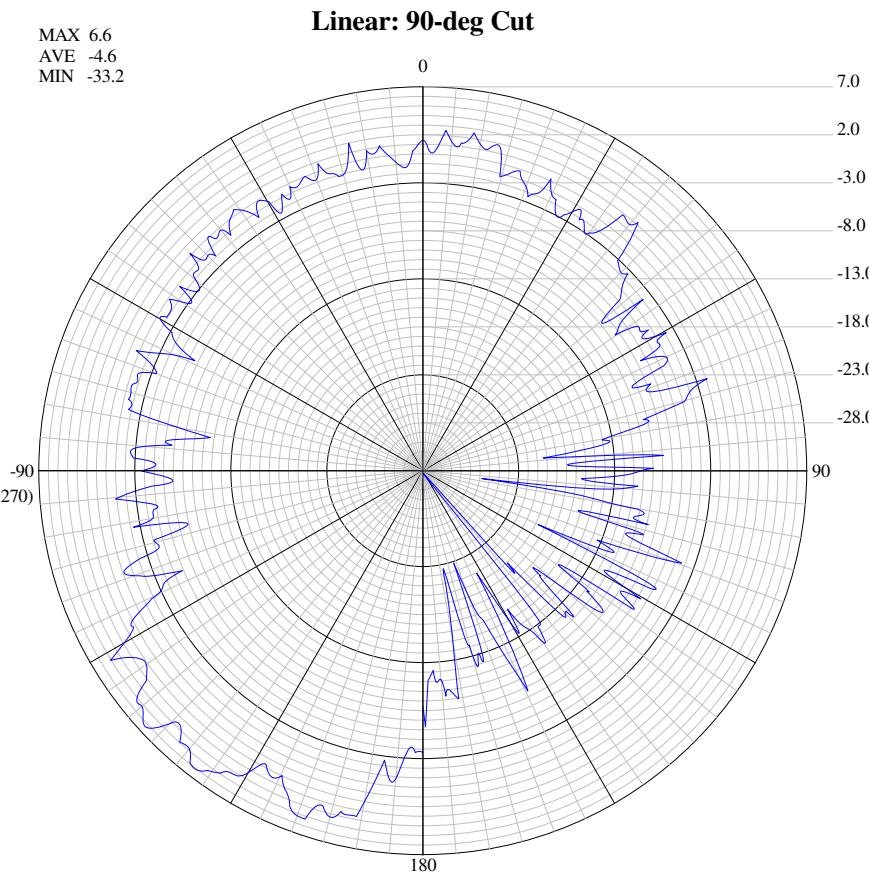
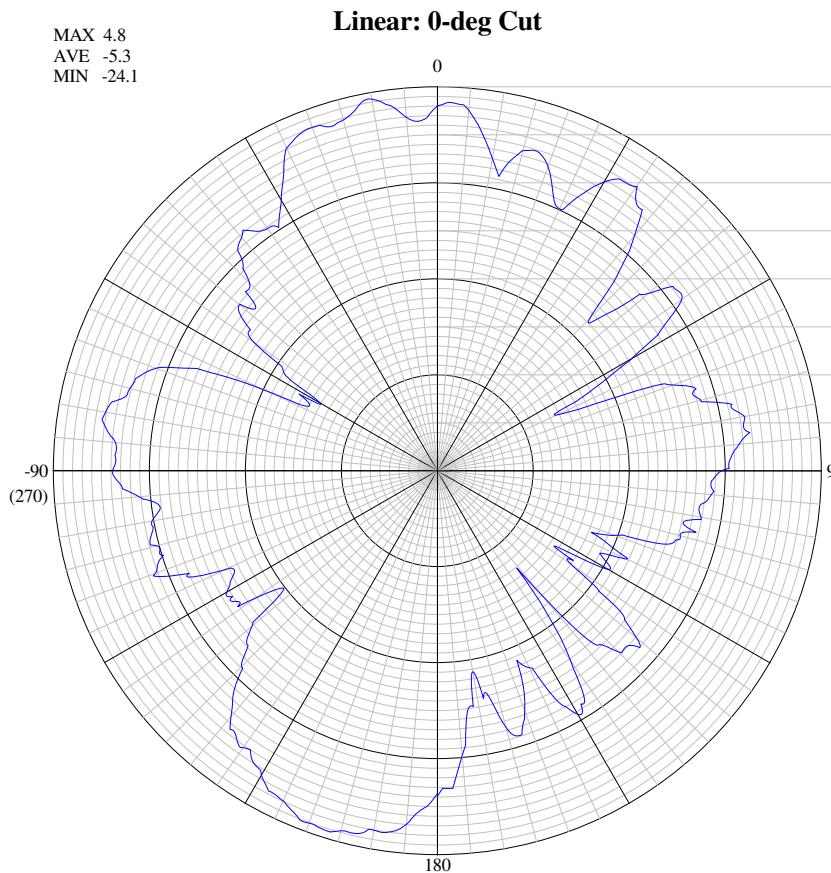


Scanner System

Far Field Patterns

Frequency: 5.8500

Scan Surface: Direct Far Field	
No. of Theta:	361
No. of Phi:	2
Theta (2-way):	360 deg
Psi (1/2-way):	180 deg
Freq.:	2.400 - 5.850 GHz
Polarization:	Linear
AUT Probe Separation:	70.87
Reference Power:	-30.34 dB



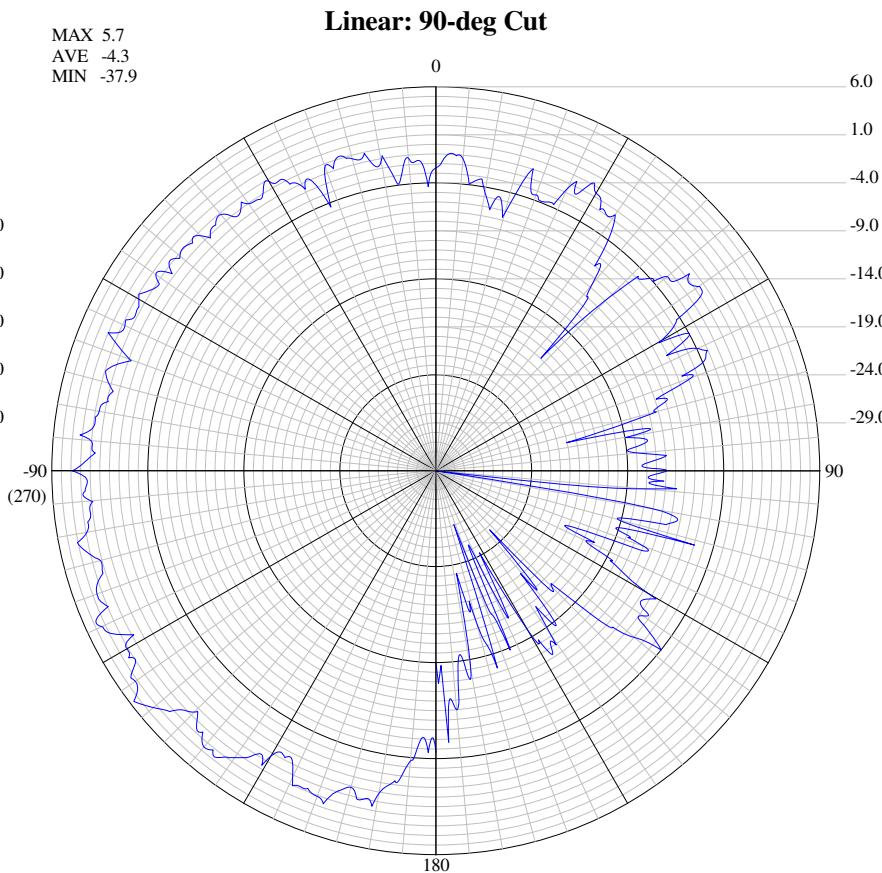
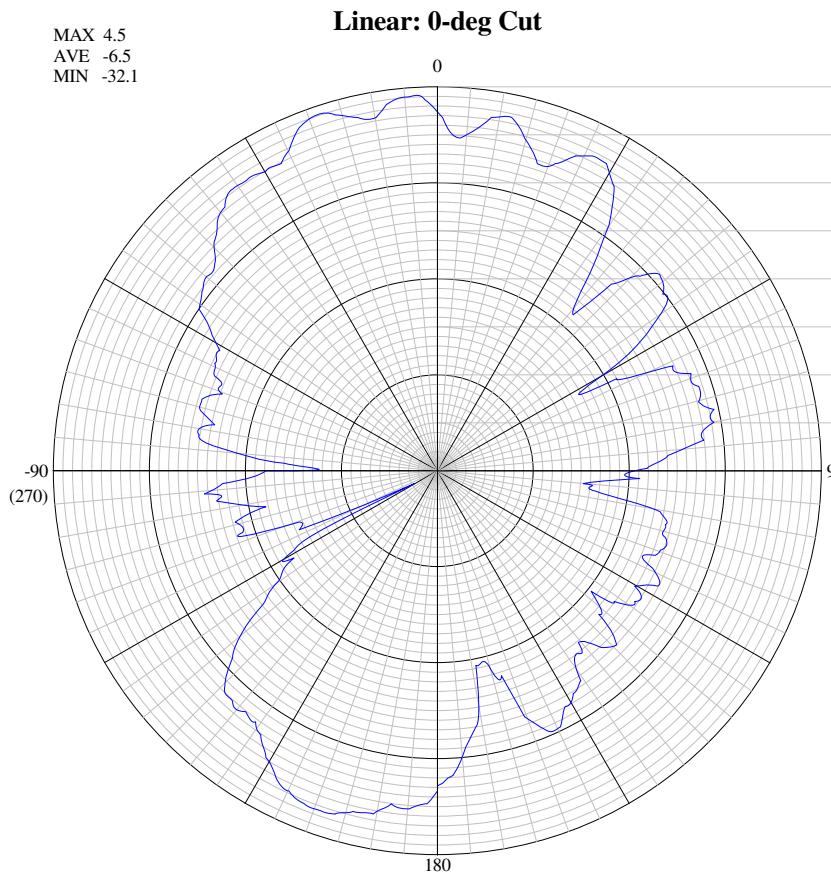


Scanner System

Far Field Patterns

Frequency: 5.1500

Scan Surface: Direct Far Field	
No. of Theta:	361
No. of Phi:	2
Theta (2-way):	360 deg
Psi (1/2-way):	180 deg
Freq.:	2.400 - 5.850 GHz
Polarization:	Linear
AUT Probe Separation:	70.87
Reference Power:	-30.34 dB

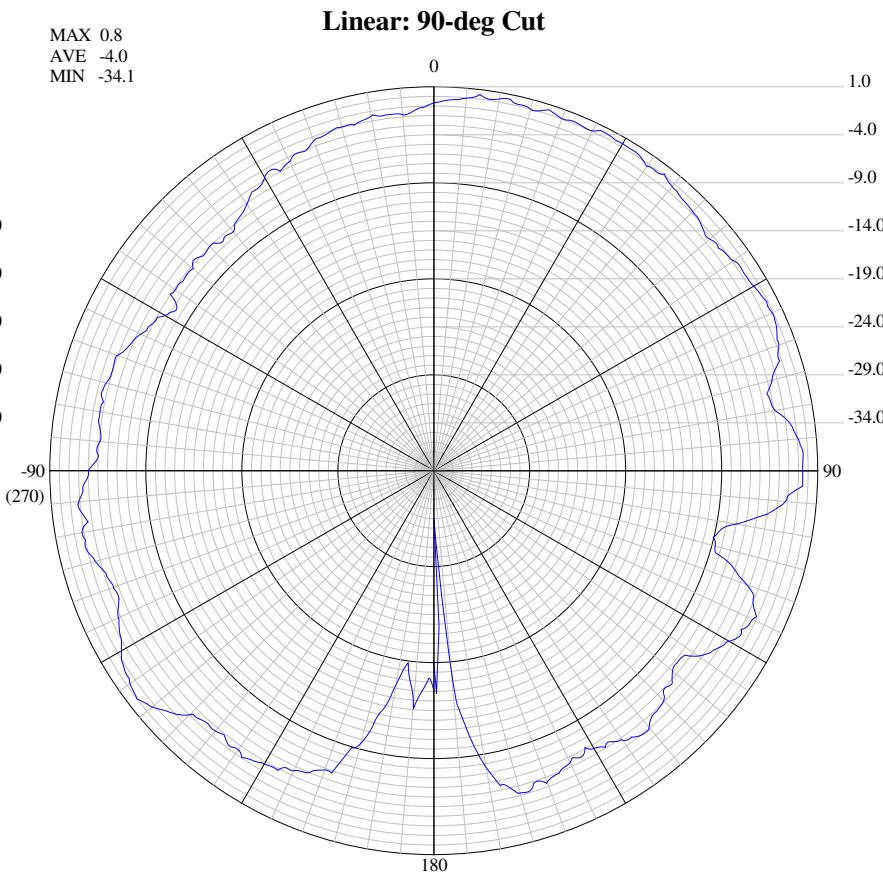
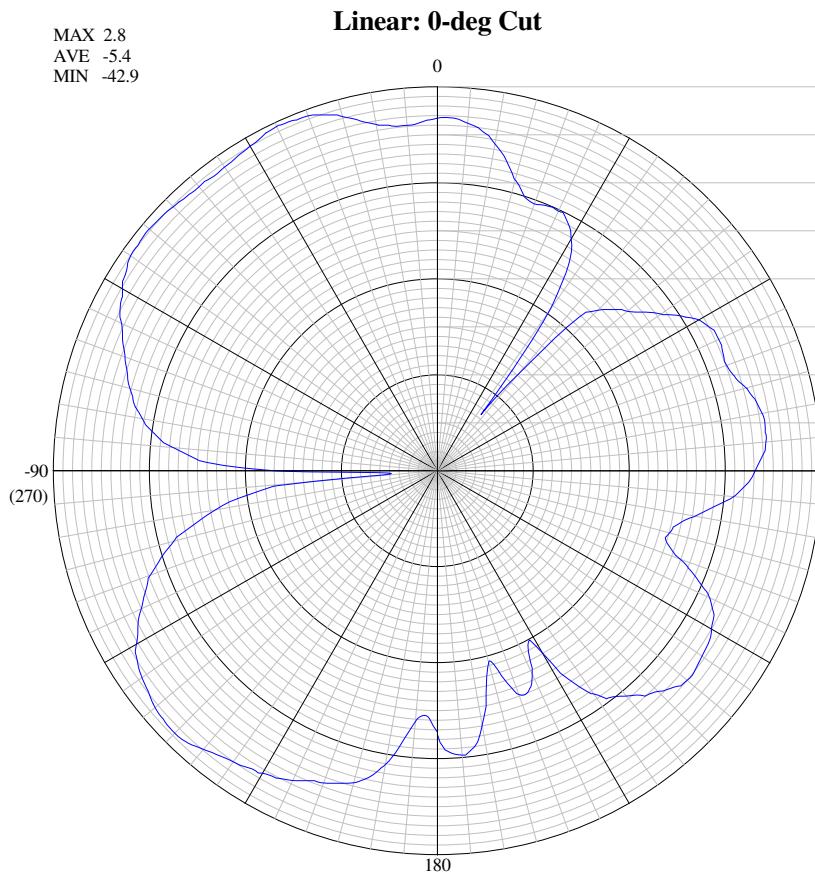




Scanner System

Far Field Patterns
Frequency: 2.5000

Scan Surface: Direct Far Field	
No. of Theta:	361
No. of Phi:	2
Theta (2-way):	360 deg
Psi (1/2-way):	180 deg
Freq.:	2.400 - 5.850 GHz
Polarization:	Linear
AUT Probe Separation:	70.87
Reference Power:	-30.34 dB

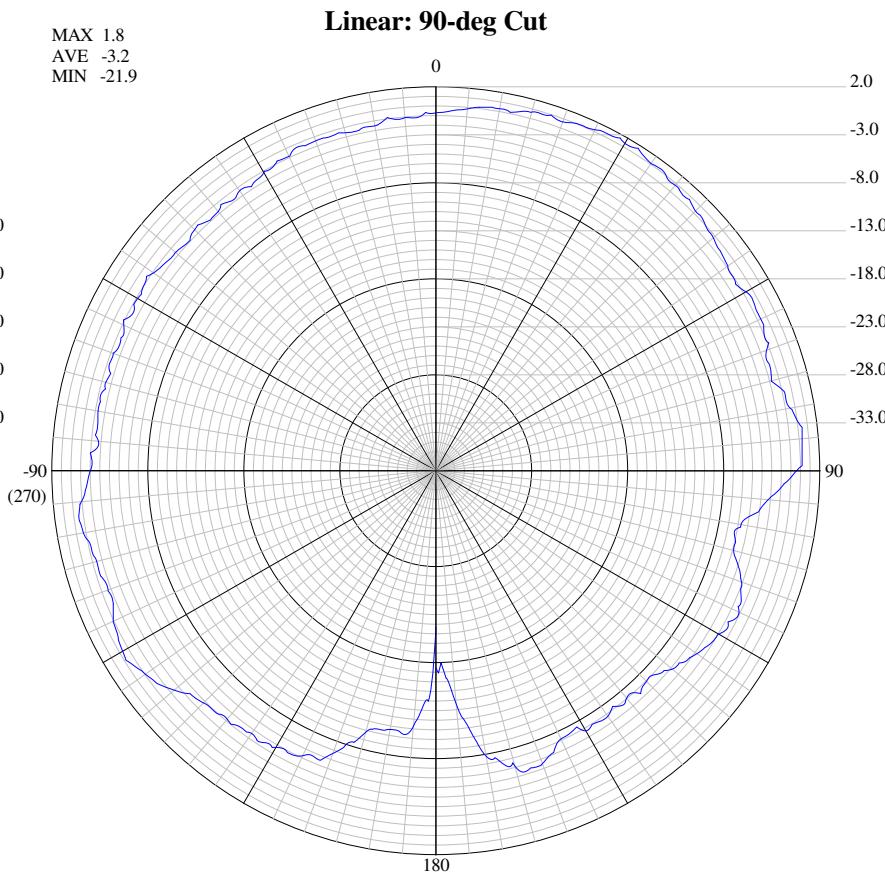
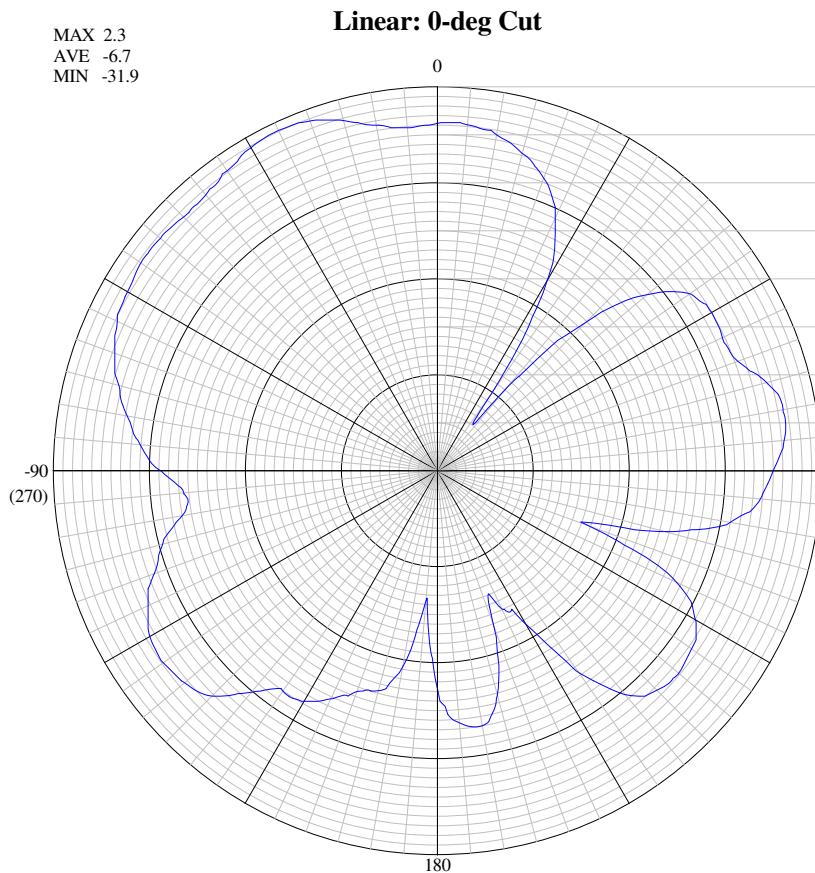




Scanner System

Far Field Patterns
Frequency: 2.4000

Scan Surface: Direct Far Field	
No. of Theta:	361
No. of Phi:	2
Theta (2-way):	360 deg
Psi (1/2-way):	180 deg
Freq.:	2.400 - 5.850 GHz
Polarization:	Linear
AUT Probe Separation:	70.87
Reference Power:	-30.34 dB





昆山昕芮特电子科技有限公司

产品(原材料及辅料) 测试报告一览表
Test report data sheet of the product (raw material and supplementary material)

产品供应商名称: Supplier Product name	C0255-ANG0053	产品描述: Product Description:	AFL2-07A/08A WIFI ANTENNA LEFT LENGTH=150mm
产品客户名称: Customer Product name	N/A		

请填写该部件用到的所有部件、原材料、辅助材料的详细信息

Please fill in the detailed information of all the parts, raw material, the accessory material which this uses



检 测 报 告

编号: SH150800086C01C

报告日期: 2015/08/13

申请单位 : 昆山市千灯吴桥电器厂/昆山市惠承电子有限公司
地 址 : 昆山市千灯镇吴桥 8 号

以下检测样品由申请人提供及确认:

样品名称 : OSP

接收日期 : 2015/08/10

检测周期 : 2015/08/10-2015/08/13

检测要求 : 检测样品中铅, 镉, 汞, 六价铬, 多溴联苯和多溴二苯醚的含量。

检测方法 : 参见下一页

检测结果 : 参见下一页

结 论 : 申请人所提供的样品的检测结果符合欧盟RoHS指令2011/65/EU的要求。



批准 胡波青

审核 刘世明

编制 王一璐

第1页 共4页

This Test Report is issued by the Company subject to its General Conditions of Service printed overleaf or available on request. Attention is drawn to the limitations of liability, indemnification and jurisdictional policies defined therein. The results shown in this Test report refer only to the sample(s) tested unless otherwise stated. This test report shall not be reproduced, except in full, without written approval of the Company. 本报告按本公司所制定之通用服务条款所编制发放。请注意本报告首页背面之此条款, 本公司之义务、免责、管辖权均有明确规定, 该条款也可向本公司索取。除非另有说明, 本报告仅对来样负责, 未经许可, 不得部分复制本报告。

优联(上海)检测有限公司

地址: 上海市外高桥保税区富特东三路76号32栋西3楼 200131
电话 (Tel): +86(0)21-68902737

United (Shanghai) Testing Services Co.,Ltd.

3/F, Building32, No.76, Fute East 3 Road., Waigaoqiao Free Trade Zone, Shanghai, 200131
(Fax): +86(0)21-68392552

----- www.uts.com.cn -----



检 测 报 告

编号: SH150800086C01C

报告日期: 2015/08/13

检测结果:

检测项目	检测方法	方法检测限 (mg/kg)	检测结果 (mg/kg)	法规限值* (mg/kg)
铅	参考 IEC 62321-5: 2013, 采用电感耦合等离子体发 射光谱仪进行测定。	2	N.D.	1000
镉		2	N.D.	100
汞	参考 IEC 62321-4: 2013, 采用电感耦合等离子体发 射光谱仪进行测定。	2	N.D.	1000
六价铬	参考 IEC 62321: 2008, 采用紫外-可见分光光度计 进行测定。	2	N.D.	1000
一溴联苯	参考 IEC 62321-6: 2015, 采用气相色谱-质谱联用 仪进行测定。	5	N.D.	---
二溴联苯		5	N.D.	---
三溴联苯		5	N.D.	---
四溴联苯		5	N.D.	---
五溴联苯		5	N.D.	---
六溴联苯		5	N.D.	---
七溴联苯		5	N.D.	---
八溴联苯		5	N.D.	---
九溴联苯		5	N.D.	---
十溴联苯		5	N.D.	---
上述多溴联苯总和		---	N.D.	1000
一溴二苯醚	参考 IEC 62321-6: 2015, 采用气相色谱-质谱联用 仪进行测定。	5	N.D.	---
二溴二苯醚		5	N.D.	---
三溴二苯醚		5	N.D.	---
四溴二苯醚		5	N.D.	---
五溴二苯醚		5	N.D.	---
六溴二苯醚		5	N.D.	---
七溴二苯醚		5	N.D.	---
八溴二苯醚		5	N.D.	---
九溴二苯醚		5	N.D.	---
十溴二苯醚		5	N.D.	---
上述多溴二苯醚总和		---	N.D.	1000

注意: *报告中所述的法规限值根据是欧盟RoHS指令2011/65/EU。

备注: 1) N.D.=未检出, 小于方法检测限
2) “--”=未明确规定

检测部位描述: 电路板

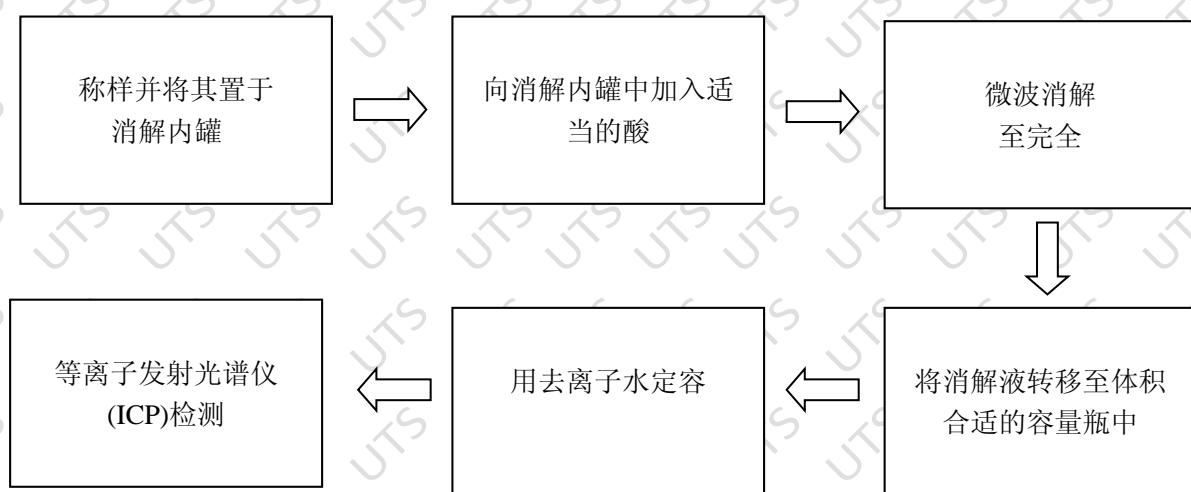
检 测 报 告

编号: SH150800086C01C

报告日期: 2015/08/13

检测流程图

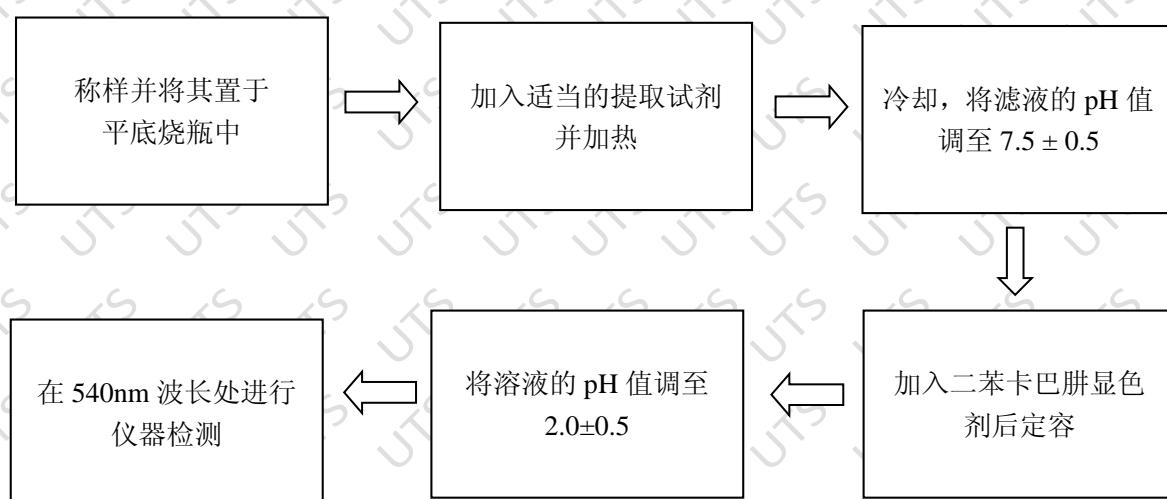
1. Pb、Hg、Cd 检测



样品成分	消化酸
玻璃	HNO ₃ /HF
塑料	H ₂ SO ₄ , H ₂ O ₂ , HNO ₃ , HCl
其它	加入其它的酸消解

2. 六价铬 Cr (VI) 检测

紫外-可见分光光度计法:

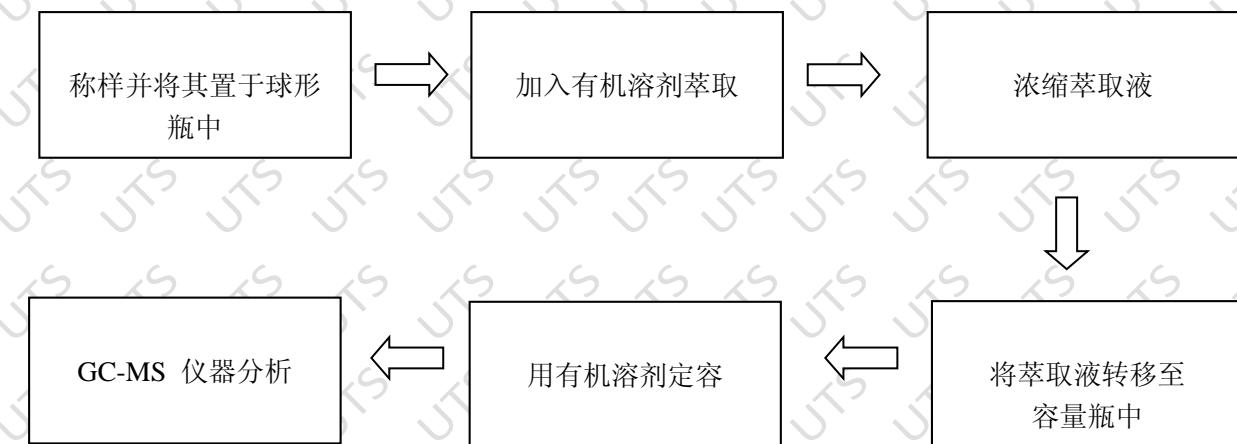


检 测 报 告

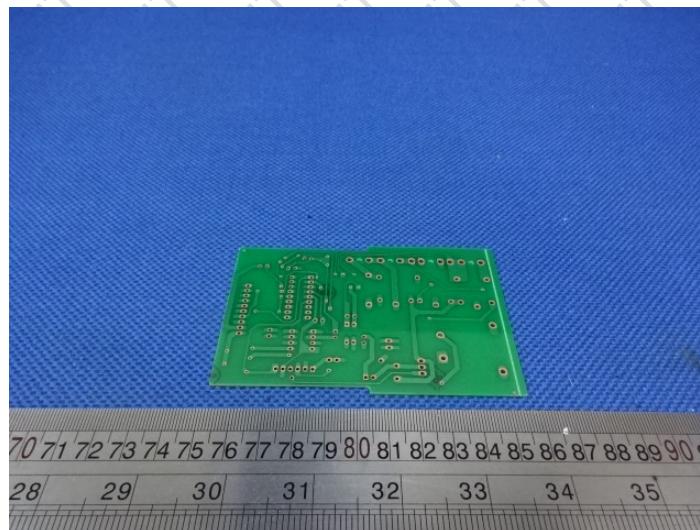
编号: SH150800086C01C

报告日期: 2015/08/13

3. 多溴联苯&多溴二苯醚检测



样品照片



.....报告结束.....

Test Report

No. : CE/2016/13171

Date : 2016/01/25

Page : 1 of 7

DEXERIALS CORPORATION
8F, 1-11-2, OSAKI, SHINAGAWA-KU, TOKYO, 141-0032 JAPAN

**The following sample(s) was/were submitted and identified by/on behalf of the applicant as :**

Sample Description : ADHESIVE
Style/Item No. : G9000 SERIES(G9000,G9000 C,G9000-SY,G9000W,G9010,G9011,G9012)
The Testing Sample : G9000-SY
Lot No. : 5G03
Sample Receiving Date : 2016/01/18
Testing Period : 2016/01/18 TO 2016/01/25

Test Requested :

- (1) As specified by client, with reference to RoHS Directive 2011/65/EU Annex II to determine Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs contents in the submitted sample.
- (2) As specified by client, to test Halogen-Fluorine, Chlorine, Bromine, Iodine contents in the submitted sample.

Test Result(s) : Please refer to next page(s).


Troy Chang Manager - Tech
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory - Taipei

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Test Report

No. : CE/2016/13171

Date : 2016/01/25

Page : 2 of 7

DEXERIALS CORPORATION
8F, 1-11-2, OSAKI, SHINAGAWA-KU, TOKYO, 141-0032 JAPAN



Test Result(s)

PART NAME No.1 : TRANSPARENT DOUBLE SIDED ADHESIVE (EXCLUDING THE RELEASE LINER)

Test Item(s)	Unit	Method	MDL	Result
				No.1
Cadmium (Cd)	mg/kg	With reference to IEC 62321-5: 2013 and performed by ICP-AES.	2	n.d.
Lead (Pb)	mg/kg	With reference to IEC 62321-5: 2013 and performed by ICP-AES.	2	n.d.
Mercury (Hg)	mg/kg	With reference to IEC 62321-4: 2013 and performed by ICP-AES.	2	n.d.
Hexavalent Chromium Cr(VI)	mg/kg	With reference to IEC 62321: 2008 and performed by UV-VIS.	2	n.d.
Sum of PBBs	mg/kg	With reference to IEC 62321-6: 2015 and performed by GC/MS.	-	n.d.
Monobromobiphenyl	mg/kg		5	n.d.
Dibromobiphenyl	mg/kg		5	n.d.
Tribromobiphenyl	mg/kg		5	n.d.
Tetrabromobiphenyl	mg/kg		5	n.d.
Pentabromobiphenyl	mg/kg		5	n.d.
Hexabromobiphenyl	mg/kg		5	n.d.
Heptabromobiphenyl	mg/kg		5	n.d.
Octabromobiphenyl	mg/kg		5	n.d.
Nonabromobiphenyl	mg/kg		5	n.d.
Decabromobiphenyl	mg/kg		5	n.d.
Sum of PBDEs	mg/kg		-	n.d.
Monobromodiphenyl ether	mg/kg		5	n.d.
Dibromodiphenyl ether	mg/kg		5	n.d.
Tribromodiphenyl ether	mg/kg		5	n.d.
Tetrabromodiphenyl ether	mg/kg		5	n.d.
Pentabromodiphenyl ether	mg/kg		5	n.d.
Hexabromodiphenyl ether	mg/kg		5	n.d.
Heptabromodiphenyl ether	mg/kg		5	n.d.
Octabromodiphenyl ether	mg/kg		5	n.d.
Nonabromodiphenyl ether	mg/kg		5	n.d.
Decabromodiphenyl ether	mg/kg		5	n.d.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Test Report

No. : CE/2016/13171

Date : 2016/01/25

Page : 3 of 7

DEXERIALS CORPORATION

8F, 1-11-2, OSAKI, SHINAGAWA-KU, TOKYO, 141-0032 JAPAN



Test Item(s)	Unit	Method	MDL	Result
				No.1
Halogen				
Halogen-Fluorine (F) (CAS No.: 14762-94-8)	mg/kg	With reference to BS EN 14582:2007. Analysis was performed by IC.	50	n.d.
Halogen-Chlorine (Cl) (CAS No.: 22537-15-1)	mg/kg	With reference to BS EN 14582:2007. Analysis was performed by IC.	50	n.d.
Halogen-Bromine (Br) (CAS No.: 10097-32-2)	mg/kg	With reference to BS EN 14582:2007. Analysis was performed by IC.	50	n.d.
Halogen-Iodine (I) (CAS No.: 14362-44-8)	mg/kg	With reference to BS EN 14582:2007. Analysis was performed by IC.	50	n.d.

Note :

1. mg/kg = ppm ; 0.1wt% = 1000ppm
2. n.d. = Not Detected
3. MDL = Method Detection Limit
4. " - " = Not Regulated

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Test Report

No. : CE/2016/13171

Date : 2016/01/25

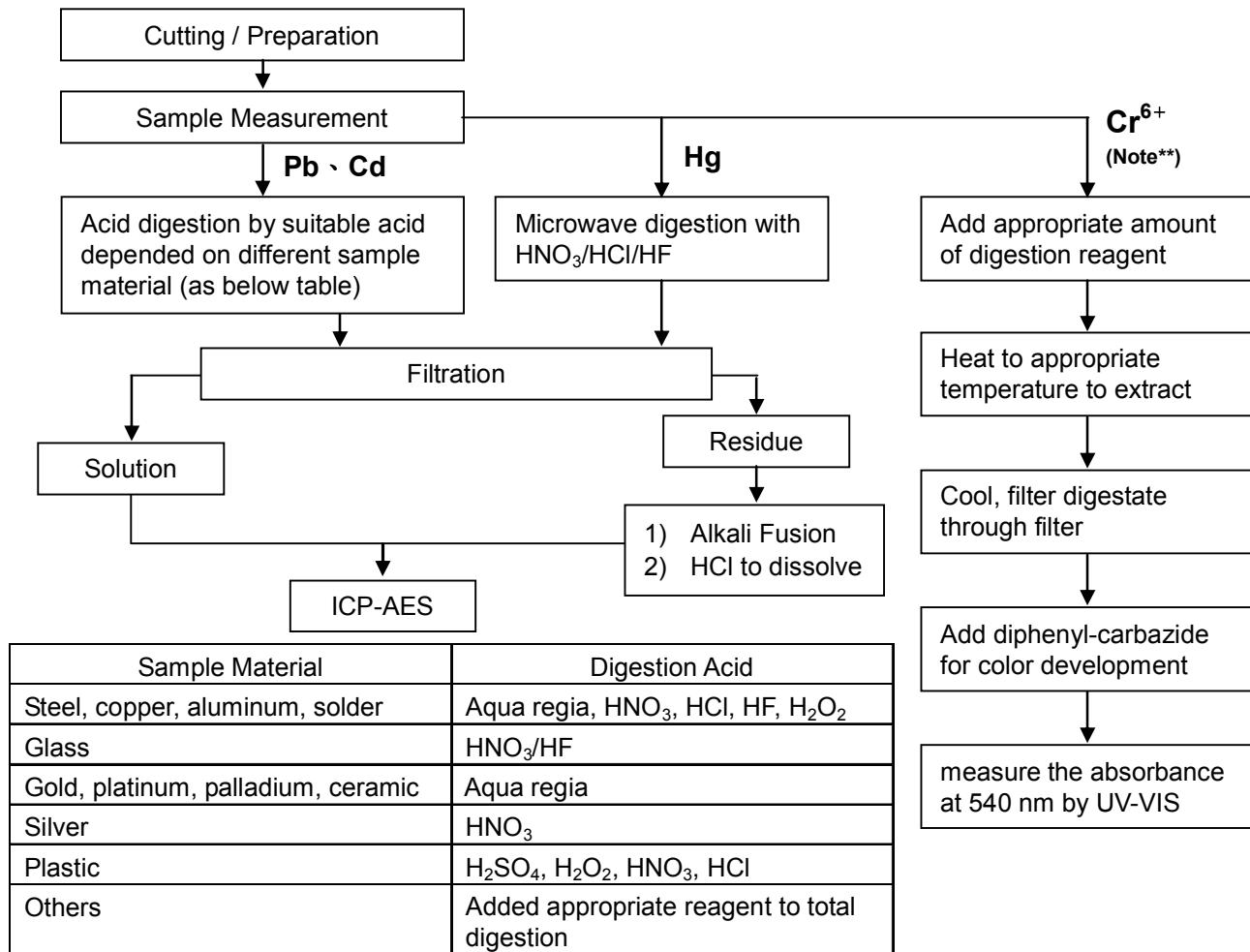
Page : 4 of 7

DEXERIALS CORPORATION

8F, 1-11-2, OSAKI, SHINAGAWA-KU, TOKYO, 141-0032 JAPAN



- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart.
(Cr^{6+} test method excluded)
- 2) Name of the person who made measurement: Climbgreat Yang
- 3) Name of the person in charge of measurement: Troy Chang



Note** (For IEC 62321)

- (1) For non-metallic material, add alkaline digestion reagent and heat to 90~95 °C.
- (2) For metallic material, add pure water and heat to boiling.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Test Report

No. : CE/2016/13171

Date : 2016/01/25

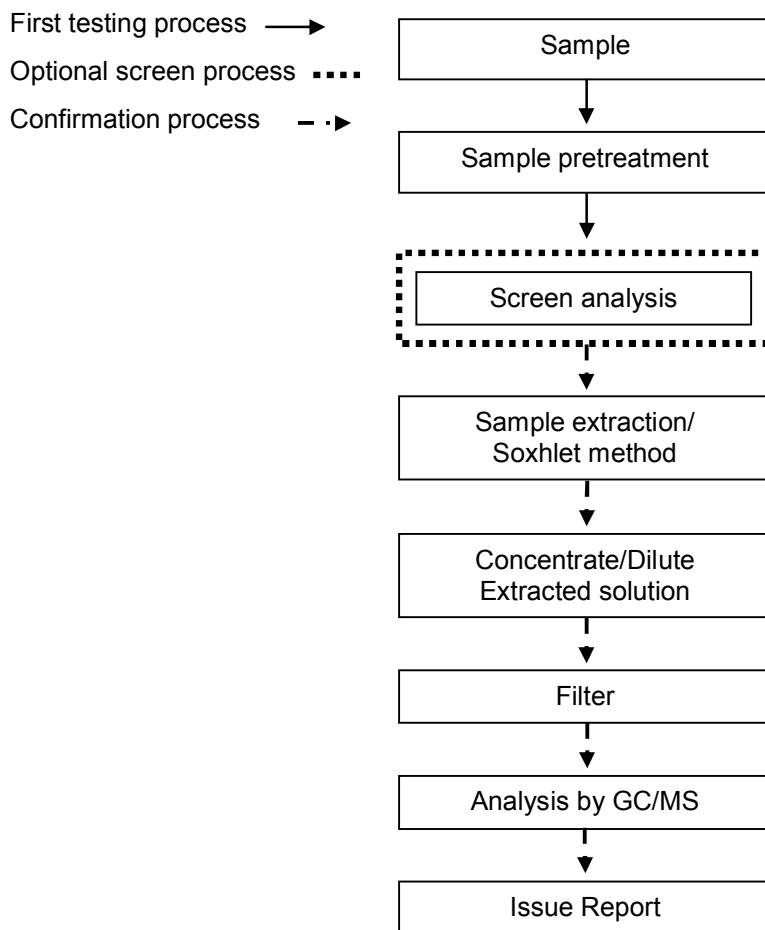
Page : 5 of 7

DEXERIALS CORPORATION
8F, 1-11-2, OSAKI, SHINAGAWA-KU, TOKYO, 141-0032 JAPAN



PBB/PBDE analytical FLOW CHART

- Name of the person who made measurement: Roman Wong
- Name of the person in charge of measurement: Troy Chang



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Test Report

No. : CE/2016/13171

Date : 2016/01/25

Page : 6 of 7

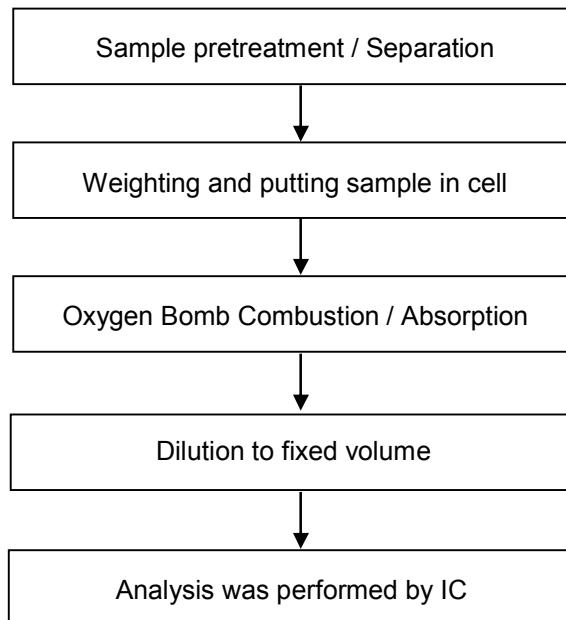
DEXERIALS CORPORATION

8F, 1-11-2, OSAKI, SHINAGAWA-KU, TOKYO, 141-0032 JAPAN



Analytical flow chart of halogen content

- Name of the person who made measurement: Rita Chen
- Name of the person in charge of measurement: Troy Chang



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Test Report

No. : CE/2016/13171

Date : 2016/01/25

Page : 7 of 7

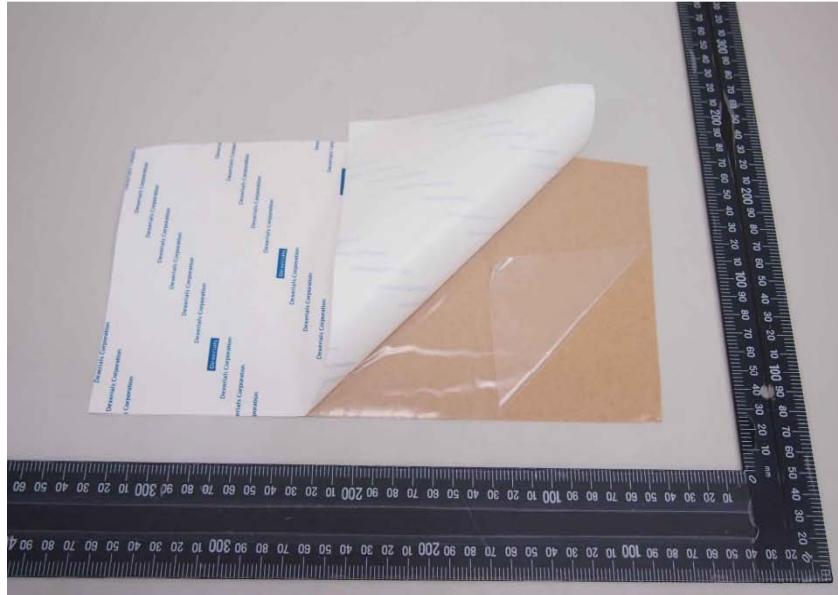
DEXERIALS CORPORATION

8F, 1-11-2, OSAKI, SHINAGAWA-KU, TOKYO, 141-0032 JAPAN



* The tested sample / part is marked by an arrow if it's shown on the photo. *

CE/2016/13171



** End of Report **

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Test Report

Report No. ECL01H044303001

Page 1 of 7

Applicant KUN SHAN YU TE HONG ELECTRONIC MATERIAL LIMITED COMPANY
Address KUNSHAN CITY, YUSHAN TOWN, NORTH RING ROAD NO. 2588 QING (ORIGINAL BUSINESS BASE)1 BUILDING 2

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client

Sample Name	Single lead foil tape / Mylar foil tape / Mylar foil / pure copper foil / double guide copper foil tape / three lead foil tape // electrolytic copper foil tape / electrolytic copper foil Mylar tape
Part No.	YTH-CU918 、 YTH-CU925、YTH-CU935 、 YTH-CU950 、 YTH-CU975 、 YTH-CU9100,YTH-CU9XXX,/YTH-CUPET925,YTH-CUPET9XXX,/YTH-CU PET825,YTH-CUPET8XXX/YTH-CUPET25,YTH-CUPET38,YTH-CUPET50 YTH-CUPET75,YTH-CUPET100,YTH-CUPETXXX,/YTH-CU718,YTH-CU725 ,YTH-CU750,YTH-CU7100,YTH-CU7XXX 、 YTH-CU818 、 YTH-CU825、 YTH-CU835 、 YTHCU850、 YTH-CU875 、 YTH-CU8100 ,YTH-CU8XXX/YTH-CU8820, YTH-CU8825, YTH-CU8830 YTH-CU88XXX; YTH-CU(DJ)925、YTH-CU(DJ)9XX、YTH-CU(DJ)825、YTH-CU(DJ)8XX、 YTH-CU(DJ)25、YTH-CU(DJ)XX; YTH-CU(DJ)PET725、 YTH-CU(DJ)PET7XX、YTH-CU(DJ)PET825、YTH-CU(DJ)PET8XX、 YTH-CU(DJ)PET925、YTH-CU(DJ)PET9XX TAPEONE-52350、 TAPEONE-523xx、TAPEONE-519xx、TAPEONE-512xx
Sample Received Date	Sep. 1, 2015
Testing Period	Sep. 1, 2015 to Sep. 9, 2015
Test Requested	As specified by client, to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyl(PBBs) , Polybrominated Diphenyl Ethers(PBDEs), Phthalates(DBP, BBP, DEHP, DIBP), Fluorine(F), Chlorine(Cl), Bromine(Br), Iodine(I), Beryllium(Be), Perfluorooctane Sulfonates(PFOS), Perfluorooctanoic Acid(PFOA) in the submitted sample(s).
Test Method	Please refer to the following page(s).
Test Result(s)	Please refer to the following page(s).



Ada
Hongwei

Su Hongwei

Senior Laboratory Manager

Centre Testing International (Shenzhen) Co.,Ltd. Shanghai Branch

Reviewed by

Xu Jing

Date

Sep. 9, 2015

No. R187771137

No.1996,Xinjinqiao Road, Pudong New District,Shanghai,China

Test Report

Report No. ECL01H044303001

Page 2 of 7

Test Method

Test Item(s)	Test Method	Measured Equipment(s)
Lead (Pb)	IEC 62321-5:2013 Ed.1.0	ICP-OES
Cadmium (Cd)	IEC 62321-5:2013 Ed.1.0	ICP-OES
Mercury (Hg)	IEC 62321-4:2013 Ed.1.0	ICP-OES
Hexavalent Chromium(Cr(VI))	IEC 62321:2008 Ed.1 Annex C	UV-Vis
Polybrominated Biphenyl(PBBs)	IEC 62321:2008 Ed.1 Annex A	GC-MS
Polybrominated Diphenyl Ethers(PBDEs)	IEC 62321:2008 Ed.1 Annex A	GC-MS
Phthalates(DBP, BBP, DEHP, DIBP)	Refer to EN 14372:2004(E)	GC-MS
Fluorine(F)	Refer to BS EN 14582:2007	IC
Chlorine(Cl)	Refer to BS EN 14582:2007	IC
Bromine(Br)	Refer to BS EN 14582:2007	IC
Iodine(I)	Refer to BS EN 14582:2007	IC
Perfluorooctane Sulfonates(PFOS)	Refer to US EPA 3550C:2007 & US EPA 8321B:2007	LC-MS-MS
Perfluorooctanoic Acid(PFOA)	Refer to US EPA 3550C:2007 & US EPA 8321B:2007	LC-MS-MS
Beryllium(Be)	Refer to US EPA 3052:1996 & US EPA 6010C:2007	ICP-OES

Test Result(s)

Tested Item(s)	Result	MDL
Lead (Pb)	N.D.	2 mg/kg
Cadmium (Cd)	N.D.	2 mg/kg
Mercury (Hg)	N.D.	2 mg/kg
Hexavalent Chromium (Cr(VI))	N.D.	2 mg/kg
Tested Item(s)	Result	MDL
Polybrominated Biphenyl(PBBs)		
Monobromobiphenyl	N.D.	5 mg/kg
Dibromobiphenyl	N.D.	5 mg/kg
Tribromobiphenyl	N.D.	5 mg/kg
Tetrabromobiphenyl	N.D.	5 mg/kg
Pentabromobiphenyl	N.D.	5 mg/kg
Hexabromobiphenyl	N.D.	5 mg/kg
Heptabromobiphenyl	N.D.	5 mg/kg
Octabromobiphenyl	N.D.	5 mg/kg

Test Report

Report No. ECL01H044303001

Page 3 of 7

Tested Item(s)	Result	MDL
Polybrominated Diphenyl Ethers(PBDEs)		
Monobromodiphenyl ether	N.D.	5 mg/kg
Dibromodiphenyl ether	N.D.	5 mg/kg
Tribromodiphenyl ether	N.D.	5 mg/kg
Tetrabromodiphenyl ether	N.D.	5 mg/kg
Pentabromodiphenyl ether	N.D.	5 mg/kg
Hexabromodiphenyl ether	N.D.	5 mg/kg
Heptabromodiphenyl ether	N.D.	5 mg/kg
Octabromodiphenyl ether	N.D.	5 mg/kg
Nonabromodiphenyl ether	N.D.	5 mg/kg
Decabromodiphenyl ether	N.D.	5 mg/kg
Tested Item(s)		
Halogen(s)		
Fluorine(F)	N.D.	10 mg/kg
Chlorine(Cl)	N.D.	10 mg/kg
Bromine(Br)	N.D.	10 mg/kg
Iodine(I)	N.D.	10 mg/kg
Tested Item(s)		
Perfluorooctane Sulfonates(PFOS)	N.D.	5 mg/kg
Perfluorooctanoic Acid(PFOA)	N.D.	5 mg/kg
Tested Item(s)		
Beryllium(Be)	N.D.	10 mg/kg
Tested Item(s)		
Phthalates		
Dibutyl phthalate(DBP) CAS#:84-74-2	N.D.	50 mg/kg
Butylbenzyl phthalate(BBP) CAS#:85-68-7	N.D.	50 mg/kg
Di-2-ethylhexyl phthalate(DEHP) CAS#:117-81-7	N.D.	50 mg/kg
Diisobutyl phthalate(DIBP) CAS#:84-69-5	N.D.	50 mg/kg

Tested Sample/Part Description

Copper foil with adhesive

Test Report

Report No. ECL01H044303001

Page 4 of 7

Remark: The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury, Beryllium.

-MDL = Method Detection Limit

-N.D. = Not Detected (<MDL)

-mg/kg = ppm = parts per million

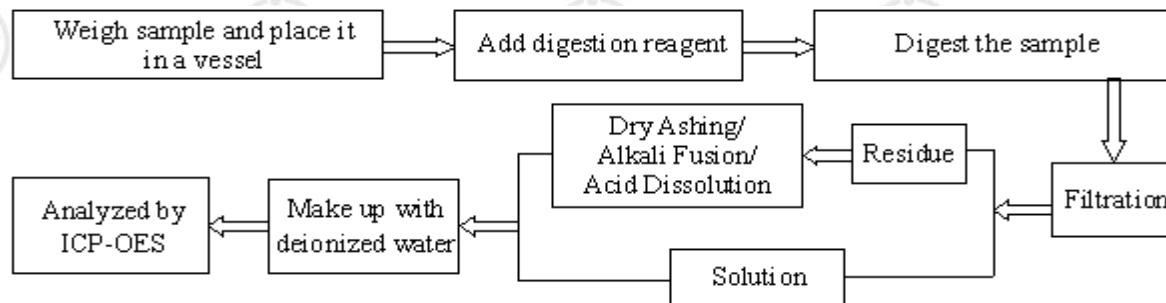
Test Report

Report No. ECL01H044303001

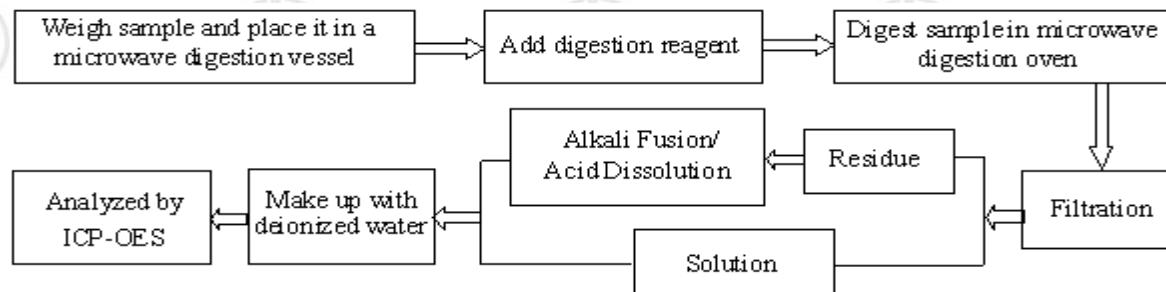
Page 5 of 7

Test Process

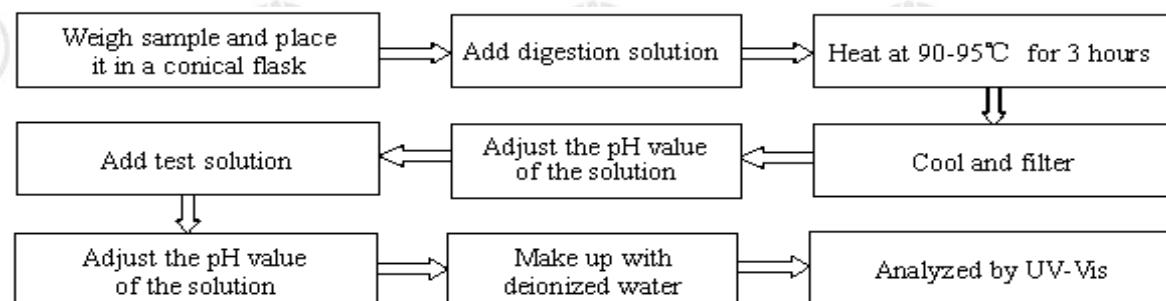
1. Lead (Pb), Cadmium (Cd)



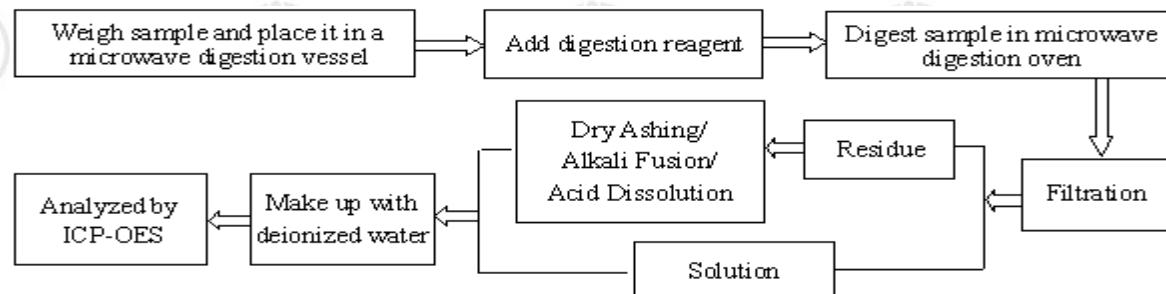
2. Mercury (Hg)



3. Hexavalent Chromium(Cr(VI))



4. Beryllium(Be)

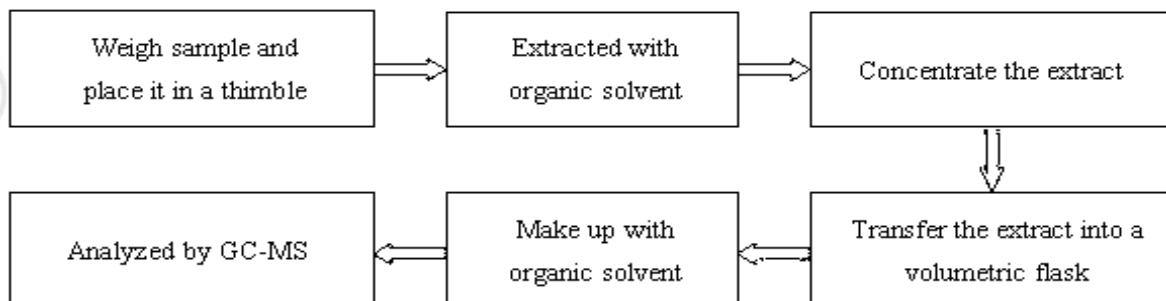


Test Report

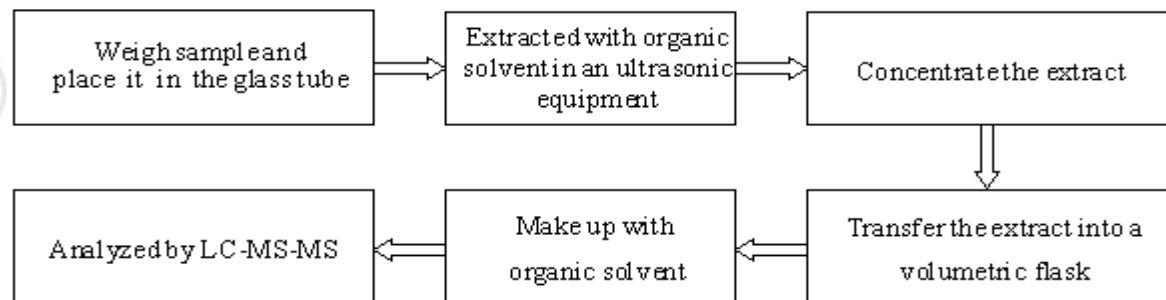
Report No. ECL01H044303001

Page 6 of 7

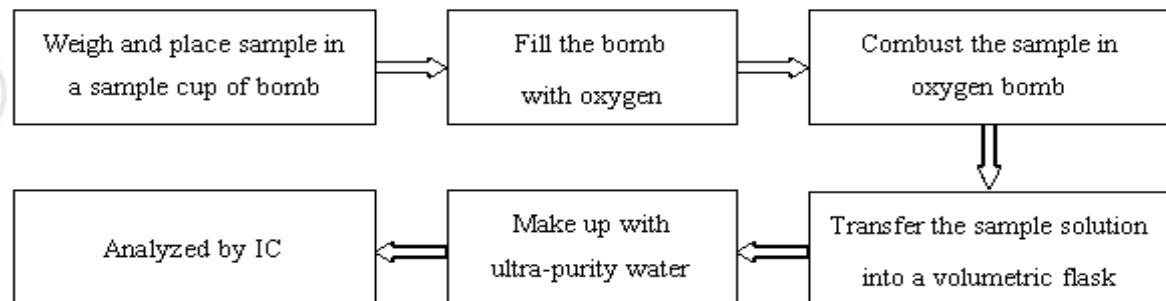
5. Phthalates(DBP, BBP, DEHP, DIBP)



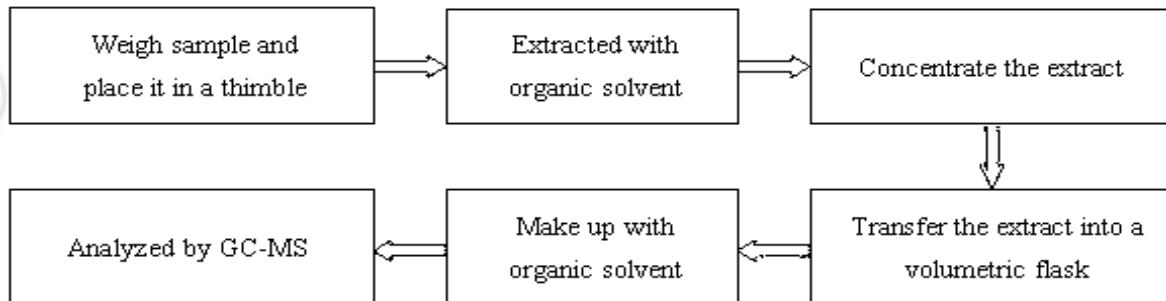
6. Perfluorooctane Sulfonates(PFOS), Perfluorooctanoic Acid(PFOA)



7. Bromine(Br), Chlorine(Cl), Fluorine(F), Iodine(I)



8. Polybrominated Biphenyl(PBBs) , Polybrominated Diphenyl Ethers(PBDEs)

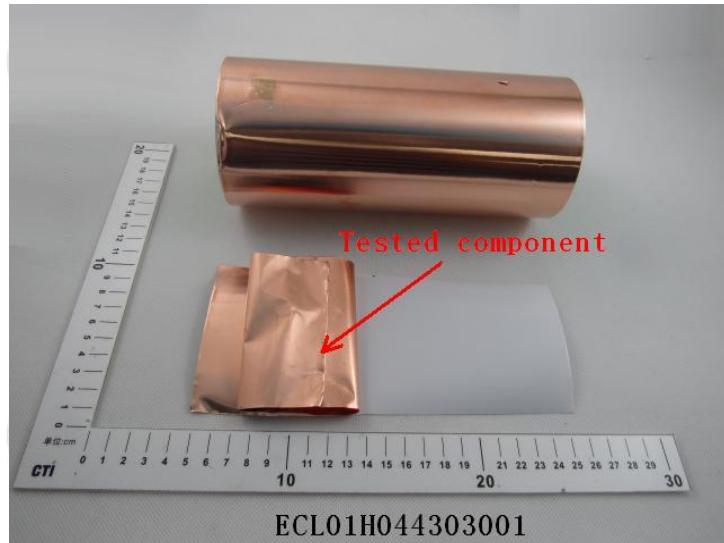


Test Report

Report No. ECL01H044303001

Page 7 of 7

Photo(s) of the sample(s)



*** End of report ***

The test report is effective only with both signature and specialized stamp. The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CTI, this report can't be reproduced except in full.

江苏源达线缆科技有限公司

产品 ROHS 环保申明书

我公司为良特电子（昆山）有限公司提供的以下附表所列射频同轴电缆产品均合欧盟 2011/65/EU 环保标准，有害物资含量均低于标准限值。如果我公司提供产品不合格 2011/65/EU 环保标准，我们会承担相应责任。

特此申明！

附表：	
料件编号	厂商料号
XRF0081240010GX064	YD081-1121101
XRF0081240100GX064	YD081-1121112
XRF0081240900GX064	YD081-1121126
XRF0113240010GX064	YD113-2121101
XRF0113240110GX064	YD113-1124111
XRF0113240910GX064	YD113-1124120
XRF0113240910GX064W	YD113-1124120
XRF0113240912GX064	YD113-1324123
XRF0113240912GX064W	YD113-1324123
XRF0113280110GX064	YD113-9121111
XRF0137260910GX064	YD137-2121127
XRF1316260114GX064	YD316-5223114

江苏源达线缆科技有限公司

二零一三年十一月二十八日

Certificate of Compliance on RoHS Directive (2011/65/EU)

DAI-ICHI SEIKO CO., LTD. warrants that the following listed product(s) conforms to the use of the certain hazardous substances in electrical and electronic equipment (RoHS).

Or if present, are below the threshold concentration levels as indicated.

Product Name	Product Number
MHF 4L PLUG CONNECTOR	20565-001R-13

These Hazardous Substances enclose the following items:

Cadmium (Cd)	<100ppm
Lead (Pb)	<1000ppm
Mercury (Hg)	<1000ppm
Hexavalent Chromium (Cr+6)	<1000ppm
Polybrominated biphenyls (PBB)	<1000ppm
Polybrominated diphenyl ethers (PBDE)	<1000ppm

Note: The above concentration value indicates the current RoHS limit.

Issue Date: December 16th, 2015

DAI-ICHI SEIKO CO., LTD.
I-PEX Business Company
Quality Assurance Dept. (Japan)

Approved by	Prepared by
S. Ishibashi <i>Sei</i>	K. Hori <i>K. Hori</i>



昆山昕芮特电子科技有限公司 Radiation Technology, Inc.

Address: No.233 Bin Jiang S. Rd, Zhang Pu Town, Kunshan City, Jiangsu

地址:昆山市张浦镇滨江南路 233 号

Tel :86-512-82606588

Zip Code:215321

Fax:86-512-82606586

Declaration of RoHS 2 Conformity

To minimize the environmental impact and take more responsibility to the earth we live, Radiation Technology, Inc. hereby confirms that the following product series comply with Directive 2011/65/EU (RoHS 2), of the European Parliament RoHS(Restriction of Hazardous Substances).

Content of Compliance

Lead	< 0.1% by weight (1000 ppm)
Mercury	< 0.1% by weight (1000 ppm)
Cadmium	< 0.01% by weight (100 ppm)
Hexavalent Chrome(Cr+6)	< 0.1% by weight (1000 ppm)
PBBS	< 0.1% by weight (1000 ppm)
PBDEs	< 0.1% by weight (1000 ppm)

The application of these substances is exempted from the requirements of 2011/65/EU (RoHS 2) Article 4(1) in the following circumstances, such as:

- Lead as an alloying element in steel containing up to 0.35% lead by weight, aluminium containing up to 0.4% lead by weight and as a copper alloy containing up to 4% lead by weight.
- Lead in high melting temperature type solders(i.e. tin-lead solder alloys containing more than 85% lead)

Product Series

RF Cables, Antenna Cables, Earphone Cables, Wire Harnesses, Computer Cables, Medical Cables, Connectors will be compliance to RoHS 2.

Delivery

The actual delivery date for RoHS compliance products will depend on our inventory status. Please contact our sales representatives for details.

Signed for and on behalf of:

Printed name: Alan Chiang

Title: General Manager

Date: 2016/4/18



CERTIFICATE

Quality Austria Trainings-, Zertifizierungs- und Begutachtungs GmbH awards this **quality austria** Certificate to the following organisation:

RADIATION TECHNOLOGY INC.

No. 233, South Binjiang Road, Zhangpu Town,
Kunshan City, Jiangsu Province, China

Manufacture, assembly & sales connection, cable assembly (antenna, earphone cables, wire harnesses, computer cables, medical cables, RF cables, power cables, etc.), microwave network products assembly (diplexer, filter, coupler, isolate, etc.) and electronics assembly

The validity of the **quality austria** Certificate will be maintained via annual surveillance audits and one renewal audit after three years.

This **quality austria** Certificate confirms the application and further development of an effective

ENVIRONMENTAL MANAGEMENT SYSTEM

complying with the requirements of standard
ISO 14001:2004

Registration No.: 01578/0
Date of initial issue: 21 October 2011
Valid until: 24 September 2017

Vienna, 17 March 2015

Quality Austria Trainings-, Zertifizierungs- und Begutachtungs GmbH,
A-1010 Vienna, Zelinkagasse 10/3

Konrad Scheiber
General Manager

Ing. Wolfgang Hackenauer, MSc
Specialist representative



Q **qualityaustria**



Quality Austria Trainings-,
Zertifizierungs- und
Begutachtungs GmbH is
accredited according to
the Austrian Accreditation
Act by the BMWA
(Federal Ministry of
Economic Affairs and
Labour).

Quality Austria is accredited
as an organization for
environmental verification
by the BMLFUW (Federal
Ministry of Agriculture,
Forestry, Environment
and Water Management).

Quality Austria is authorized
by the VDA
(Association of the
Automotive Industry).

For accreditation
registration details please
refer to the applicable
decisions or recognition
documents.

Quality Austria is the
Austrian member of IQNet
(International Certification
Network).

Dok.Nr.FO-24_028

The current validity of the certificate is documented exclusively on the Internet under
<http://www.qualityaustria.com/en/cert> FAC: 19



CERTIFICATE

Quality Austria Trainings-, Zertifizierungs- und Begutachtungs GmbH awards this **quality austria** Certificate to the following organisation:

RADIATION TECHNOLOGY INC.

No. 233, South Binjiang Road, Zhangpu Town,
Kunshan City, Jiangsu Province, China

Manufacture of antenna and related cables

This **quality austria** Certificate confirms the application and further development of an effective

QUALITY MANAGEMENT SYSTEM

complying with the requirements of standard
ISO/TS 16949:2009,
without product design

Registration No.: 01274/0
IATF-Registration No.: 0204898
Issue Date : 12 March 2015
Valid until: 5 March 2018

Vienna, 12 March 2015

Quality Austria Trainings-, Zertifizierungs- und Begutachtungs GmbH,
A-1010 Vienna, Zelinkagasse 10/3

Konrad Scheiber
General Manager

Gerald Perschler
Specialist representative