

承認書

SPECIFICATION FOR APPROVAL

使用機種：WLAN 11n Micro USB Adapter, 2T2R

品 號：30G000056-00

品 名：PIFA Antenna

製造商：碩貝德

製造商型號：

採購部門		零件承認單位		
採購承辦	主管審核	承認	審查	核准
klise 3/6		Kevin	amy	

注意事項：



Confidential Information

SPEED TECHNOLOGY

SPEED Communication Technology Limited

Approval Sheet of 319 wifi antenna Internal Antenna

Customer Project	319 wifi antenna	Band	Wifi band
SCT P/N		Version	R: A
Check	Kelly	Design	Justin
Date	2012-12-25	Confirm by	
Speed Communication Technology			

www.speed-hz.com

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CONTENT

1.	Indication -----	3
2.	Electrical performance -----	3
2.1	spectfication	3
2.2	Matching cricuit description	3
3.	Set up -----	4
3.1	UE. Setup	4
3.2	Return Loss, VSWR	4
3.3	Efficiency	4
3.4	TRP Measurement Procedure and Settings	5
3.5	TIS Measurement Procedure and Settings	5
4.	Measurement Data -----	6
5.1	Efficiency, Gain	6
5.	Suggestions and Conclusion -----	6
6.	Attachment -----	6
6.1	Return loss, Isolation	6
6.2	Isolation	7
7.	Suggestions and Conclusion -----	7
8.	Attachment -----	8

1. Indication

This report summarizes the electrical performance results of the proposed internal antenna to support the wlan ap antenna program. The antenna covers dual-wifi band. (see Figure1).



2. Electrical performance

2.1 spectfication

Band	Frequency (GHz)	vswr
wifi	2.4-2.5	<2
	4.8-5.88	<2

2.2 Matching cricuit description

Matching circuit please refer to the following graphic.

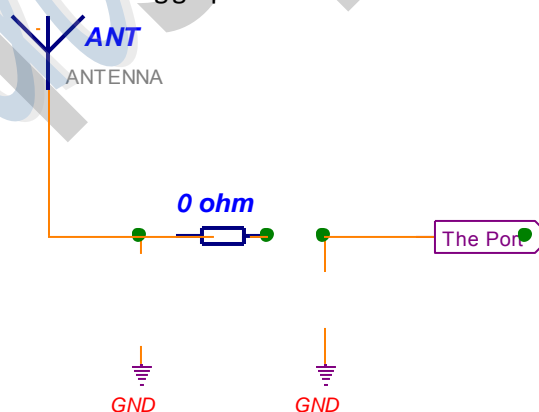


Figure.2 matching circuit

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3. Set up

3.1 UE. Setup

The antenna was evaluated using the customer provided prototype phone. Figure 3 shows the antenna mounted on the test fixture. This section of the report describes the testing on this test fixture.



Figure 3 319 wifi antenna ANTENNA test UE.

3.2 Return Loss, VSWR

Return Loss, VSWR were performed using Agilent E5071C Network Analyzer and the previously described test fixture. A ferrite-loaded coaxial cable was used to mitigate surface currents on the outside of the cabling. The testing was performed in free space.



3.3 Efficiency

The efficiency of the antenna was measured in the Speed Communication Technology anechoic chamber. The chamber provides less than -40 dB reflectivity from 410 MHz through 6 GHz and 25cm diameter spherical quiet zone. The measurement results are calibrated using both dipole and leaky wave horn standards.

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Figure.4 speed chamber system

3.4 TRP Measurement Procedure and Settings

The following procedure shall be applied:

- Establish a call to the mobile, set maximum RF output power.
- Execute a full three dimensional (3D) measurement as described and Using:

$$\Delta\phi \leq 22.5^\circ$$

$$\Delta\theta \leq 15^\circ$$

And at three TX frequencies according to: low, mid and high.

(Note: CTIA asks for: 15° and 15°)

- Measure both vertical and horizontal polarizations.
- Calculate one TRP value for the appropriate band as described in 2.

3.5 TIS Measurement Procedure and Settings

The following procedure shall be applied:

- Establish a call to the mobile, set maximum RF output power.
- Execute a full three dimensional (3D) measurement as described Using:

$$\Delta\phi \leq 30^\circ$$

$$\Delta\theta \leq 30^\circ$$

- Measure both vertical and horizontal polarizations.
- An estimation of the additional uncertainty caused by the “pattern is equal” assumption shall be provided

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4. Measurement Data

5.1 Efficiency,Gain

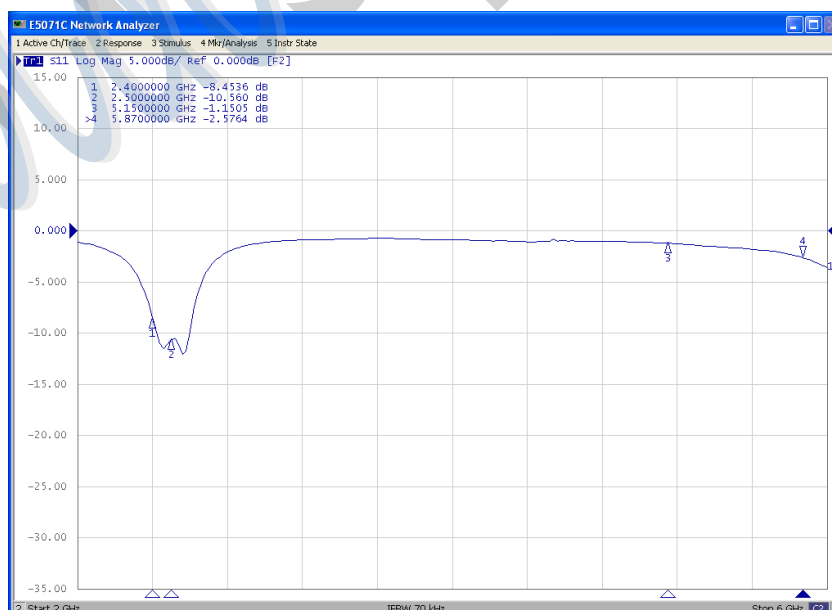
Frequency	Efficiency	Efficiency . dB	Gain . dBi
2400	50.276	-2.99	1.10
2410	57.044	-2.44	2.68
2420	63.747	-1.96	2.22
2430	62.986	-2.01	2.33
2440	45.121	-3.46	2.50
2450	59.997	-2.22	2.29
2460	60.222	-2.20	4.70
2470	60.936	-2.15	1.56
2480	57.343	-2.42	2.34
2490	57.191	-2.43	2.79
2500	55.914	-2.52	3.16

5. Suggestions and Conclusion

This report summarizes the electrical performance of internal Monopole antenna for ZTE WLAN AP ANTENNA. The antenna was tested using the customer provided prototype USB Modem test fixture. The report shows satisfied RF performance across the band. SCT team is looking forward to getting your approval. Thanks for your cooperation.

6. Attachment

6.1 Return loss, Isolation



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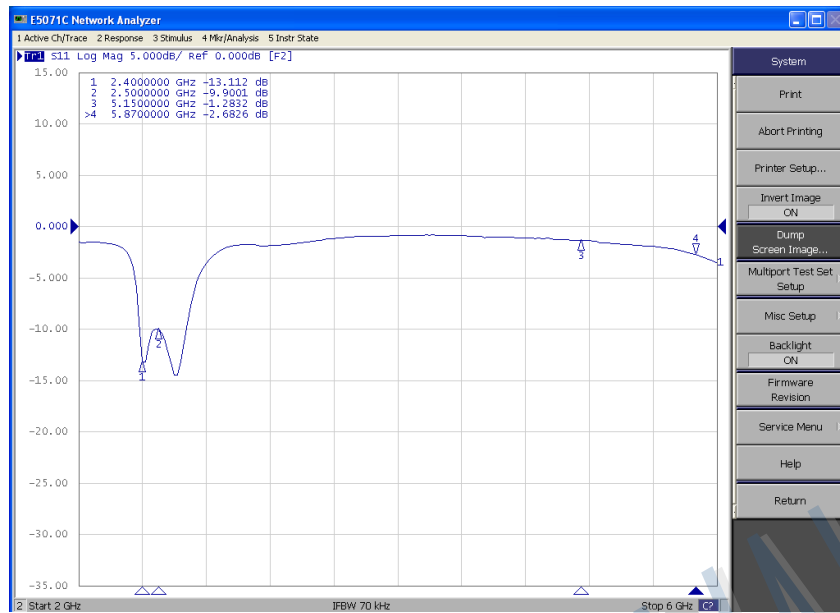


Figure.9 return loss

6.2 Isolation



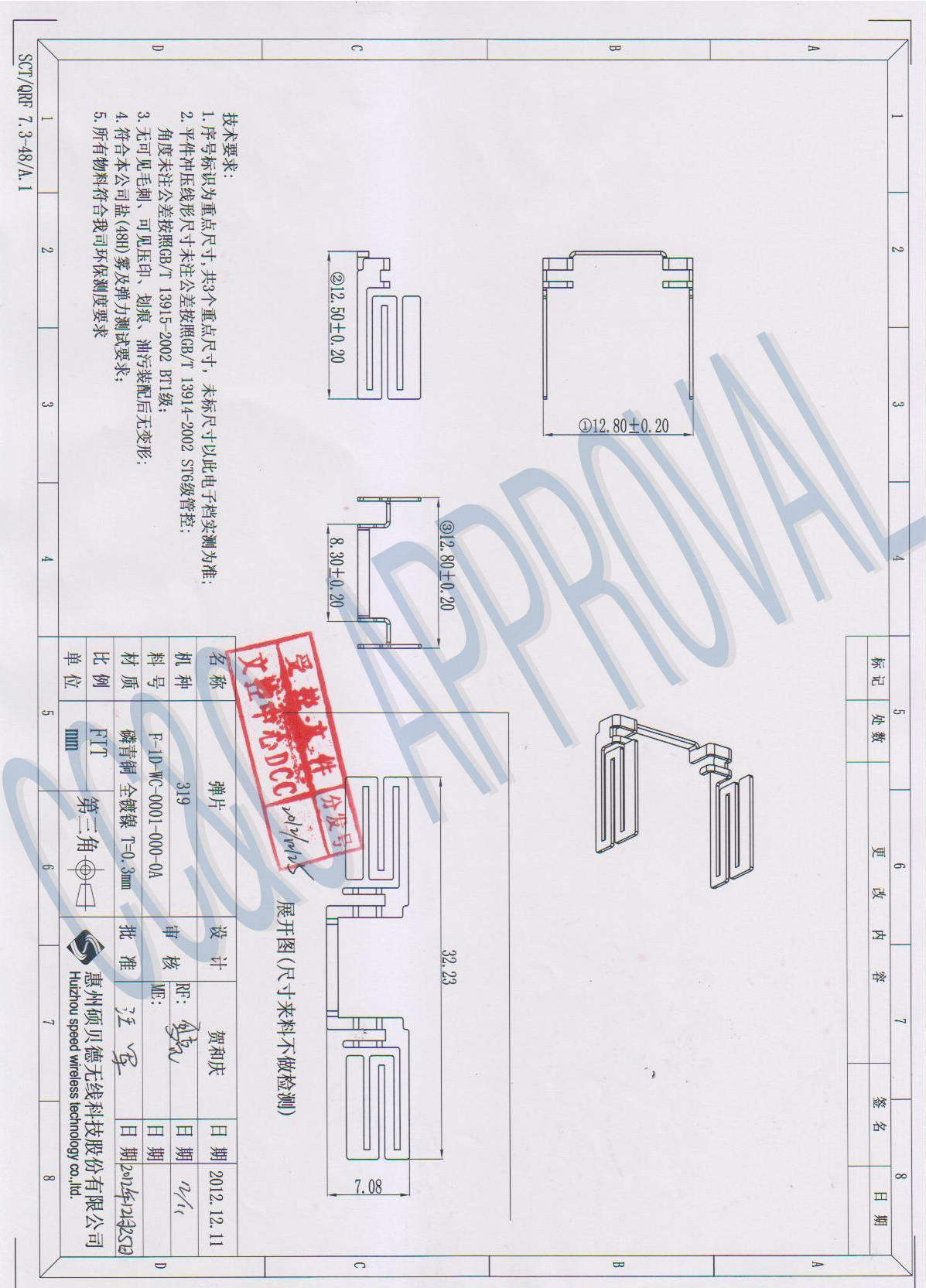
7. Suggestions and Conclusion

This report summarizes the electrical performance of internal Monopole antenna for 319 wifi datacard. The antenna was tested using the customer provided prototype USB Modem test fixture. The report shows satisfied RF performance across the band. SCT team is looking forward to getting your approval. Thanks for your cooperation.

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8. Attachment



Material Safty Data Sheet (MSDS) / Component Composition Table

MSDS部分：必须要有公司名称，产品名称，产品型号，组成物质，组成百分比，CAS No.
Pls offer completed informations as following for MSDS .

公司名称 (Company Name): 惠州硕贝德无线科技股份有限公司							
产品名称(Part Description):	319 PIFA Antenna			产品型号 (料号) (Part No. of Supplier):		F-1D-WC-0001-000-0B	
Component Composition Spreadsheet							
组成材料 (必须为均质材料) Composition part	供应商名称 Material Supplier Name	供应商料号Supplier Part No.	物质Substance	含量百分比 (加总必须是100%) Materials mass (%)	含重 Materials mass (mg)	CAS No. (美国化学文摘服务社为化学物质制订的登记号)	RoHS SGS Report (送测公司名称及产品名称, 型号必须与MSDS制造厂商名称及产品名称, 型号一致, 报告必须清晰)
phosphor bronze (Nickle plating)	CHUANGLONG	F-1D-WC-0001-000-0B	Ni	0.143	0.000429	7440-02-0	<div> 319弹片镀镍ROHS</div> <div> 319弹片磷青铜ROHS</div>
			Cu	93.24	0.27972	7440-50-8	
			Zn	0.106	0.000318	7440-66-6	
			P	0.241	0.000723	7723-14-0	
			Sn	6.269	0.018807	7440-31-5	
			Fe	0.001	0.000003	7439-89-6	

TEST REPORT

Report No.: HX201200702-1E

Applicant: Hui Zhou City Chuang Long Precision Assembly Co., Ltd.
Address: Building 18, Da Tian Industrial Park, San Xin Industrial District, Jiang Bei, Hui Zhou City

Report on the submitted sample(s) said to be:

Name: Nickel plated
Type/Model: -----
Buyer: -----
Supplier: -----

Date of Receipt: Feb.15th 2012 Test period: Feb.15th 2012 – Feb.24th 2012

Test Request: In accordance with RoHS Directive 2011/65/EU and its amendment directives

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

Conclusion: Based on the performed test on submitted sample, the result(s) comply with the RoHS Directive 2011/65/EU and its amendment directives.

Tested by Zoe Tang Reviewed by Sekwa Li Approved by Hailuo Wang

Seal of:

GUANGZHOU GRG METROLOGY & TEST CO., LTD.

Issue date: Feb.24th 2012

This test report is responsible for the tested samples only. Without permission of the test center this test report is not permitted to be duplicated in extracts. The test report is invalid without the official stamp of GUANGZHOU GRG METROLOGY & TEST CO., LTD. The test report is invalid if altered. Objections to the test report must be submitted to GUANGZHOU GRG METROLOGY & TEST CO., LTD. within 15 days.

GUANGZHOU GRG METROLOGY & TEST CO., LTD.

Address: 163 Pingyun Road West of Huangpu Avenue Tianhe District Guangzhou City, 510656, P. R. China

Tel: +86-020-38699572 FAX: +86-020-38698685 <http://www.grgtest.com>

TEST REPORT

Report No.: HX201200702-1E

Sample Description

1. Silvery metal

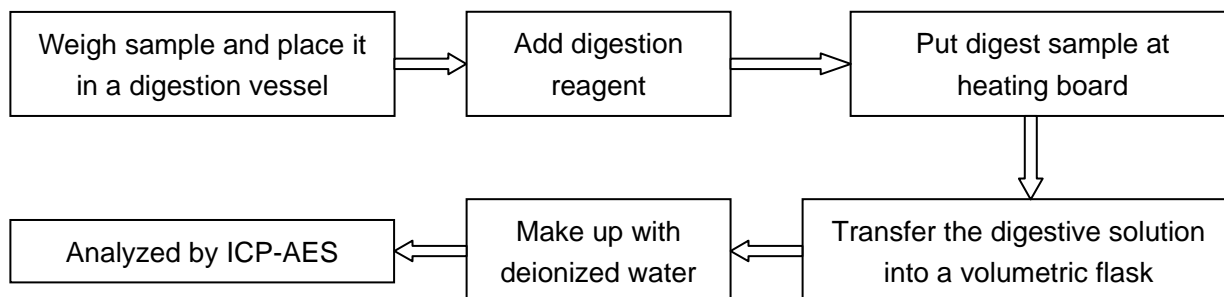
Test method: IEC 62321:2008– Electrotechnical Products - Determination of Levels of Six Regulated Substances (Lead, Mercury, Cadmium, Hexavalent Chromium, Polybrominated Biphenyls, Polybrominated Diphenyl Ethers).

Test Item	Result (mg/kg)	RoHS Limit (mg/kg)
	1	
Lead (Pb)	N.D.	1000
Cadmium (Cd)	N.D.	100
Mercury (Hg)	N.D.	1000
Hexavalent Chromium [Cr(VI)]	Negative	---

Remark:

- 1) mg/kg = ppm
- 2) Method Detection Limit: Pb, Cd and Hg 2mg/kg
- 3) "N.D." = Not Detected (Below Method Detection Limit)
- 4) Negative = The detected Cr(VI) concentration in boiling solution is less than 0.02mg/kg with 50 cm² sample surface area.
Positive = The detected Cr(VI) concentration in boiling solution is equal or greater than 0.02mg/kg with 50 cm² sample surface area.

Test Process for Pb / Hg / Cd / Cr



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TEST REPORT

Report No.: HX201200702-1E

Test Process for Cr (VI).

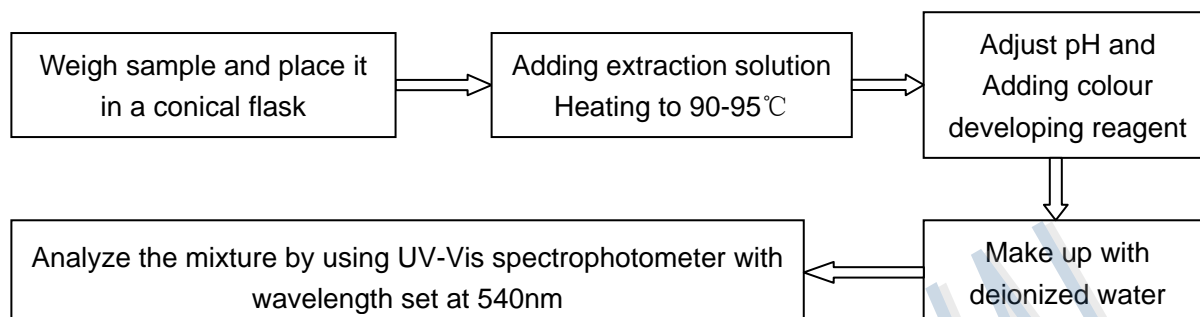


Photo of Sample



-----End of Report-----

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 Tel: +86-020-38699572 FAX: +86-020-38698685 <http://www.grgtest.com>

TEST REPORT

Report No.: HX201200694-1E

Applicant: Hui Zhou City Chuang Long Precision Assembly Co., Ltd.
Address: Building 18, Da Tian Industrial Park, San Xin Industrial District, Jiang Bei, Hui Zhou City

Report on the submitted sample(s) said to be:

Name: Phosphor bronze
Type/Model: -----
Buyer: -----
Supplier: -----

Date of Receipt: Feb.15th 2012 Test period: Feb.15th 2012 – Feb.24th 2012

Test Request: In accordance with RoHS Directive 2011/65/EU and its amendment directives

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

Conclusion: Based on the performed test on submitted sample, the result(s) comply with the RoHS Directive 2011/65/EU and its amendment directives.

Tested by Zoe Tang Reviewed by Sekwa Li Approved by Hailuo Wang

Seal of:

GUANGZHOU GRG METROLOGY & TEST CO., LTD.

Issue date: Feb.24th 2012

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TEST REPORT

Report No.: HX201200694-1E

Sample Description

1. Copper metal

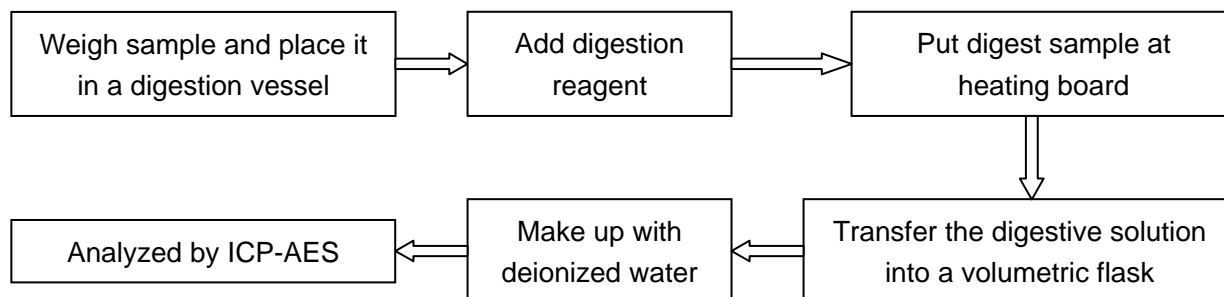
Test method: IEC 62321:2008– Electrotechnical Products - Determination of Levels of Six Regulated Substances (Lead, Mercury, Cadmium, Hexavalent Chromium, Polybrominated Biphenyls, Polybrominated Diphenyl Ethers).

Test Item	Result (mg/kg)	RoHS Limit (mg/kg)
	1	
Lead (Pb)	32	1000
Cadmium (Cd)	N.D.	100
Mercury (Hg)	N.D.	1000
Hexavalent Chromium [Cr(VI)]	Negative	---

Remark:

- 1) mg/kg = ppm
- 2) Method Detection Limit: Pb, Cd and Hg 2mg/kg
- 3) "N.D." = Not Detected (Below Method Detection Limit)
- 4) Negative = The detected Cr(VI) concentration in boiling solution is less than 0.02mg/kg with 50 cm² sample surface area.
Positive = The detected Cr(VI) concentration in boiling solution is equal or greater than 0.02mg/kg with 50 cm² sample surface area.

Test Process for Pb / Hg / Cd / Cr

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Tel: +86-020-38699572 FAX: +86-020-38698685 <http://www.grgtest.com>

TEST REPORT

Report No.: HX201200694-1E

Test Process for Cr (VI).

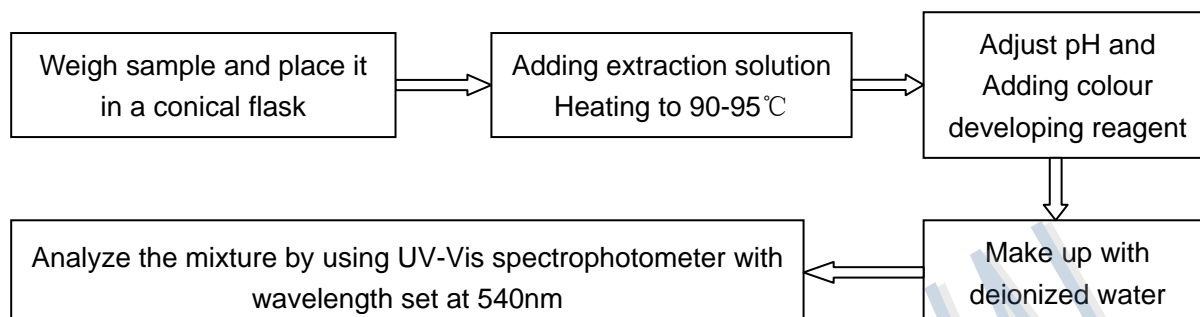
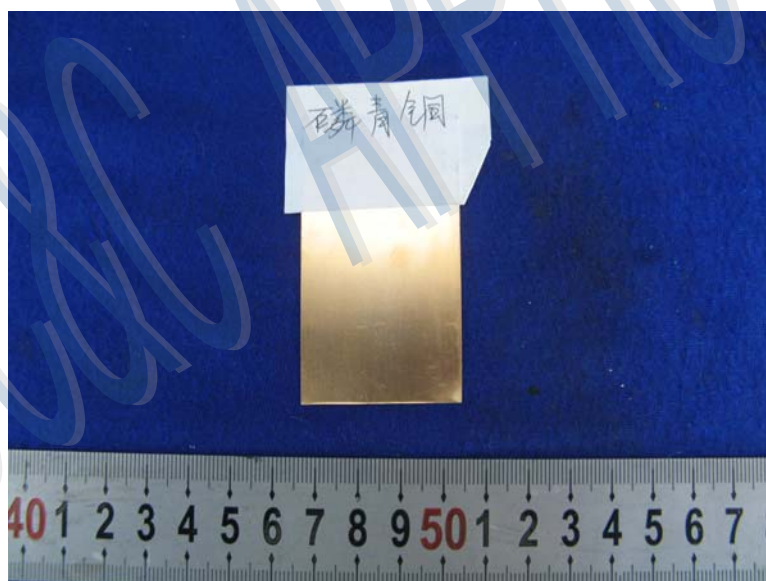


Photo of Sample



-----End of Report-----

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Address: 163 Pingyun Road West of Huangpu Avenue Tianhe District Guangzhou City, 510656, P. R. China
 Tel: +86-020-38699572 FAX: +86-020-38698685 <http://www.grgtest.com>



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供應商-REACH SVHC 宣告

SVHC Declaration

Under the European regulation for [REACH](#), 84“Substances of Very High Concern” have been defined ([SVHC](#)). Companies are required to notify users about the presence of these substances when present in an significant amount. Therefore, the following information should be provided by your company:

SVHC 宣告

根據歐盟已經定義的 84 種 (SVHC) “高度關注物質” REACH 法規，當存在這些物質一定數量時企業必須通知到使用者。因此，貴司應提供以下信息

1.) Check if below substances are present in any of your products.

If present in more then 0,1% by weight(1000ppm): Check box [x], provide CC&C item number(s) and specify part of product in which the substance is present.

檢查貴司產品是否存在以下物質。

如果存在重量超過 0.1% (1000ppm)：請在前面標注[x]，提供 CC&C 的料號，並明確說明物質存在於產品的部位

	No.	中文名	Name	CAS#	In CC&C Item nr's	Parts of product
<input type="checkbox"/>	1	蒽	Anthracene	120-12-7		
<input type="checkbox"/>	2	4, 4'-二氨基二苯甲烷	4,4'-Diaminodiphenylmethane	101-77-9		
<input type="checkbox"/>	3	邻苯二甲酸二丁酯	Dibutyl phthalate	84-74-2		
<input type="checkbox"/>	4	二氯化钴	Cobalt dichloride	7646-79-9		
<input type="checkbox"/>	5	五氧化二砷	Diarsenic pentaoxide	1303-28-2		
<input type="checkbox"/>	6	三氧化二砷	Diarsenic trioxide	1327-53-3		
<input type="checkbox"/>	7	重铬酸钠	Sodium dichromate	7789-12-0 10588-01-9		
<input type="checkbox"/>	8	二甲苯麝香	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2		
<input type="checkbox"/>	9	邻苯二甲酸二(2-乙基己基)酯	Bis(2-ethyl(hexyl)phthalate) (DEHP)	117-81-7		
<input type="checkbox"/>	10	六溴环十二烷	Hexabromocyclododecane(HBCDD) and all major diastereoisomers identified(α-HBCDD, β-HBCDD, γ-HBCDD)	25637-99-4 and 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8)		
<input type="checkbox"/>	11	C10-13 短链氯化石蜡	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8		
<input type="checkbox"/>	12	三丁基氧化锡	Bis(tributyltin)oxide	56-35-9		
<input type="checkbox"/>	13	砷酸氢铅	Lead hydrogen arsenate	7784-40-9		
<input type="checkbox"/>	14	邻苯二甲酸丁苄酯	Benzyl butyl phthalate	85-68-7		
<input type="checkbox"/>	15	三乙基砷酸酯	Triethyl arsenate	15606-95-8		
<input type="checkbox"/>	16	蒽油	Anthracene oil	90640-80-5		
<input type="checkbox"/>	17	蒽油，蒽糊，轻油	Anthracene oil, anthracene paste, distn. Lights	91995-17-4		
<input type="checkbox"/>	18	蒽油，蒽糊，蒽馏分	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2		
<input type="checkbox"/>	19	蒽油，含蒽量少	Anthracene oil, anthracene-low	90640-82-7		
<input type="checkbox"/>	20	蒽油，蒽糊	Anthracene oil, anthracene paste	90640-81-6		
<input type="checkbox"/>	21	邻苯二甲酸二异丁酯	Diisobutyl phthalate (DIBP)	84-69-5		
<input type="checkbox"/>	22	2,4-二硝基甲苯	2,4-Dinitrotoluene	121-14-2		
<input type="checkbox"/>	23	煤沥青，高温	Coal tar pitch, high temperature	65996-93-2		
<input type="checkbox"/>	24	三(2-氯乙基)磷酸酯	Tris(2-chloroethyl)phosphate (TCEP)	115-96-8		
<input type="checkbox"/>	25	铬酸铅；C. I. 颜料黄 34	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2		
<input type="checkbox"/>	26	钼铬红；C. I. 颜料红	Lead chromate molybdate	12656-85-8		

		104	sulfate red (C.I. Pigment Red 104)			
<input type="checkbox"/>	27	铬酸铅; 铬黄	Lead chromate	7758-97-6		
<input type="checkbox"/>	28	丙烯酰胺	Acrylamide	79-06-1		
<input type="checkbox"/>	29	三氯乙烯	Trichloroethylene	79-01-6		
<input type="checkbox"/>	30	硼酸	Boric acid	10043-35-3 11113-50-1		
<input type="checkbox"/>	31	无水四硼酸钠	Disodium tetraborate, anhydrous	1303-96-4 1330-43-4 12179-04-3		
<input type="checkbox"/>	32	七水合四硼酸钠	Tetraboron disodium heptaoxide, hydrate	12267-73-1		
<input type="checkbox"/>	33	铬酸钠	Sodium chromate	7775-11-3		
<input type="checkbox"/>	34	铬酸钾	Potassium chromate	7789-00-6		
<input type="checkbox"/>	35	重铬酸铵	Ammonium dichromate	7789-09-5		
<input type="checkbox"/>	36	重铬酸钾	Potassium dichromate	7778-50-9		
<input type="checkbox"/>	37	硫酸钴(II)	Cobalt(II) sulphate	10124-43-3		
<input type="checkbox"/>	38	硝酸钴(II)	Cobalt(II) dinitrate	10141-05-6		
<input type="checkbox"/>	39	碳酸钴(II)	Cobalt(II) carbonate	513-79-1		
<input type="checkbox"/>	40	醋酸钴(II)	Cobalt(II) diacetate	71-48-7		
<input type="checkbox"/>	41	2-甲氧基乙醇	2-Methoxyethanol	109-86-4		
<input type="checkbox"/>	42	2-乙氧基乙醇	2-Ethoxyethanol	110-80-5		
<input type="checkbox"/>	43	三氧化铬	Chromium trioxide	1333-82-0		
<input type="checkbox"/>	44	铬酸 重铬酸 铬酸和重铬酸的低聚物	Chromic acid Dichromic acid Oligomers of chromic acid and dichromic acid	7738-94-5 13530-68-2 -		
<input type="checkbox"/>	45	乙二醇乙醚醋酸酯	2-ethoxyethyl acetate	111-15-9		
<input type="checkbox"/>	46	铬酸锶	Strontium chromate	7789-06-2		
<input type="checkbox"/>	47	1,2-苯二酸-二(C7-11支链与直链)烷基(醇)酯	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4		
<input type="checkbox"/>	48	联胺 也称: 肼	Hydrazine	302-01-2 7803-57-8		
<input type="checkbox"/>	49	1-甲基吡咯烷酮	1-methyl-2-pyrrolidone	872-50-4		
<input type="checkbox"/>	50	1,2,3-三氯丙烷	1,2,3-trichloropropane	96-18-4		
<input type="checkbox"/>	51	邻苯二甲酸二异庚酯	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6		
<input type="checkbox"/>	52	2,4,6-三硝基苯二酚铅	Lead styphnate	15245-44-0		
<input type="checkbox"/>	53	叠氮化铅	Lead diazide, Lead azide	13424-46-9		
<input type="checkbox"/>	54	苦味酸铅	Lead dipicrate	6477-64-1		
<input type="checkbox"/>	55	酚酞	Phenolphthalein	77-09-8		
<input type="checkbox"/>	56	4,4'-亚甲基双-2-氯苯胺	2,2'-Dichloro-4,4'-methylenedianiline	101-14-4		
<input type="checkbox"/>	57	N,N-二甲基乙酰胺	N,N-dimethylacetamide	127-19-5		
<input type="checkbox"/>	58	砷酸铅	Trilead diarsenate	3687-31-8		
<input type="checkbox"/>	59	砷酸钙	Calcium arsenate	7778-44-1		
<input type="checkbox"/>	60	砷酸、原砷酸	Arsenic acid	7778-39-4		
<input type="checkbox"/>	61	二乙二醇二甲醚	Bis(2-methoxyethyl) ether	111-96-6		
<input type="checkbox"/>	62	1,2-二氯乙烷	1,2-Dichloroethane	107-06-2		
<input type="checkbox"/>	63	对特辛基苯酚	4-(1,1,3,3-Tetramethylbutyl)phenol; 4-tert-octyl phenol	140-66-9		
<input type="checkbox"/>	64	邻氨基苯甲醚	2-Methoxyaniline; o-Anisidine	90-04-0		
<input type="checkbox"/>	65	邻苯二甲酸二甲氧乙酯	Bis(2-methoxyethyl) phthalate	117-82-8		
<input type="checkbox"/>	66	甲醛与苯胺的低聚物	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4		
<input type="checkbox"/>	67	硅酸铝耐火陶瓷纤维(RCF)	Zirconia Aluminosilicate Refractory Ceramic Fibres	-		
<input type="checkbox"/>	68	氧化锆硅酸铝耐火陶瓷纤维(Zr-RCF)	Aluminosilicate Refractory Ceramic Fibres	-		
<input type="checkbox"/>	69	铬酸锌; 铬黄; 铬黄; 锌黄	Pentazinc chromate octahydroxide	49663-84-5		
<input type="checkbox"/>	70	氢氧化铬酸锌钾	Potassium	11103-86-9		

			hydroxyoctaoxodizincatedic hromate			
<input type="checkbox"/>	71	铬酸铬	Dichromium tris(chromate)	24613-89-6		
<input type="checkbox"/>	72	三乙二醇二甲醚 (TEGDME)	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2		
<input type="checkbox"/>	73	乙二醇二甲醚(EGDME)	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4		
<input type="checkbox"/>	74	三氧化二硼	Diboron trioxide	1303-86-2		
<input type="checkbox"/>	75	甲酰胺	Formamide	75-12-7		
<input type="checkbox"/>	76	甲基磺酸铅	Lead(II) bis(methanesulfonate)	17570-76-2		
<input type="checkbox"/>	77	1,3,5-三(环氧乙基甲基)-1,3,5-三嗪-2,4,6-(1H,3H,5H)-三酮(TGIC)	1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (TGIC)	2451-62-9		
<input type="checkbox"/>	78	1,3,5-三-[(2S 和 2R)-2,3-环氧丙基]-1,3,5-三嗪-2,4,6-(1H, 3H, 5H)-三酮(β-TGIC)	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	59653-74-6		
<input type="checkbox"/>	79	4,4'-二(二甲氨基)二苯甲酮(米氏酮)	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8		
<input type="checkbox"/>	80	N,N,N',N'-四甲基-4,4'-二氨基二苯甲烷(米氏碱)	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1		
<input type="checkbox"/>	81	C.I.碱性蓝 26	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5		
<input type="checkbox"/>	82	C.I.碱性紫 3	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethyl ammonium chloride (C.I. Basic Violet 3)	548-62-9		
<input type="checkbox"/>	83	4,4'-二(二甲氨基)-4''-甲基基三苯甲醇	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1		
<input type="checkbox"/>	84	C.I.溶剂蓝 4	α,α-Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0		

2.) Supplier declares that users can not get into contact with above substances by direct touch of above substances. 供應商聲明使用者不能直接接觸和進入接觸以上物質 ☐

3.) Supplier declares that users can not get into contact with above substances by inhaling of fumes of above substances. 供應商聲明使用者不能吸入和進入接觸以上物質產生的煙霧 ☐

4.) Supplier declares the presence of any SVHC substances will be reduced to below 0,1% for products shipped from date: 供應商聲明自 xx 年 xx 月 xx 日起存在於產品中的 SVHC 物質將被削減至 0.1% 以下

Liability 責任

In case of incorrect information, the above mentioned supplier is fully liable for all (financial) consequences involved. 如以上信息不實，供應商將全部承擔因此而產生後果。

Hereby the following company declares that the provided information is correct and they agree with the conditions as mentioned on this page.

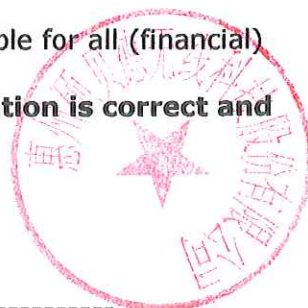
特此下列公司聲明，所提供信息正確無誤，同意此頁裏面的上述條件。

Company 公司: 碩貝德

Contact Person 聯系人 : 邓少云

Date 日期 : 2013-1-31

Signature 簽名

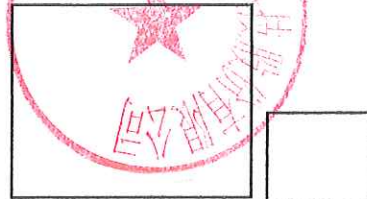



不使用證明書（零部件批准部品）

列印日期：

- 公司名稱：惠州碩貝德无线科技股份有限公司
- 部門簽名：环境工程 邓少云
- 交易單位代碼：
- 負責人姓名：林
- e-mail：dsy@speed-hz.com

印



茲證明關於向貴公司交貨的零部件、輔助材料及裝置部件的使用材料、包裝材料以及生產工程中的添加劑等，沒有晶訊科技股份有限公司規定的管理標準之禁用物質（Level 1）；如本公司所生產之產品中，含有晶訊科技股份有限公司規定禁用之物質，本公司將負產品回收及賠償之責任。

另外，關於零部件、輔助材料及裝置部件的使用材料、包裝材料以及生產工程中的添加劑等的構成成分報告如下。

（1） 零部件、輔助材料/裝置部件

零部件、輔助材料名稱：PIFA Antenna

零部件編號：F-1D-WC-0001-000-OB

SB（規格書、圖紙）No.：D-WC-0001

生產工廠：CHUANGLONG(HUIZHOU)

〈使用材料〉

①. 部位：

原物料廠商名稱（鍍銀金屬片） 材料名稱/Tape 名稱（phosphor bronze (Nickel plating)）

②. 部位：

原物料廠商名稱（ ） 材料名稱/Tape 名稱（ ）

〈使用添加劑〉

①. 部位：

原物料廠商名稱（ ） 材料名稱/Tape 名稱（ ）

②. 部位：

原物料廠商名稱（ ） 材料名稱/Tape 名稱（ ）

（2） 可以測定物質的 ICP 資料，請參見附件。

（3） 不能測定物質的成分表及 MSDS，請參見附件。

- 填寫不下時請另外用紙填寫。

備考：

2013 年 1 月 31 日

本文件保存期限：三年