



CABLE/HARNESS/CONNECTOR

ISO 9001:2000

ISO 14001:2004

承 認 書

SPECIFICATION FOR APPROVAL

客戶名稱 (CUSTOMER) : 合 勤

機種型號 (MODEL NO.) : V750W

品 名 (PART NAME) : 2.4Ghz white dipole antenna

料 號 (PART NO.) : RFD-0712004

發行日期 (ISSUE DATE) : 2008.03.03

鑑 台 確 認 (EACH-TAI CONFIRMATION)	客 戶 確 認 (CUSTOMER CONFIRMATION)
	

核 准(APPROVAL)	確 認(CHECK)	制 作(PREPARE)
Anderson	Macro	Macro



EACH-TAI CORPORATION
東莞鎰臺電子有限公司
TECHNOLOGY CORPORATION

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DET NORSKE VERITAS

MANAGEMENT SYSTEM CERTIFICATE

Certificate No. 0253-2002-AQ-RGC-UKAS

This is to certify that

**EACH-TAI CORPORATION
DONG GUAN YITAI ELECTRONICS LTD.**

at

8F, No. 276, Sec. 3, Pei-Shen Rd., Shen Ken, Taipei, Taiwan, R.O.C.
Hengkeng Guanliqu Dongguan, Liaobu, Guangdong, P.R. China

has been found to conform to the Management System Standard:

ISO 9001:2000

This Certificate is valid for the following product or service ranges:

MANUFACTURE OF WIRE HARNESS AND CABLES

Initial Certification date:

June 28th, 2002

Place and date:

Hong Kong, September 23rd, 2005

This Certificate is valid until:

June 28th, 2008

for the Accredited Unit:

DNV CERTIFICATION B.V.,
THE NETHERLANDS

The audit has been performed under the supervision of:

Joseph Chu
Lead Auditor


013
C.K. Wong

Management Representative

Lack of fulfilment of conditions as set out in the Appendix may render this Certificate invalid.

DNV 7269/2.0



EACH-TAI CORPORATION
東莞鎰臺電子有限公司
TECHNOLOGY CORPORATION

天線規格表

規格:

1. Electrical Properties

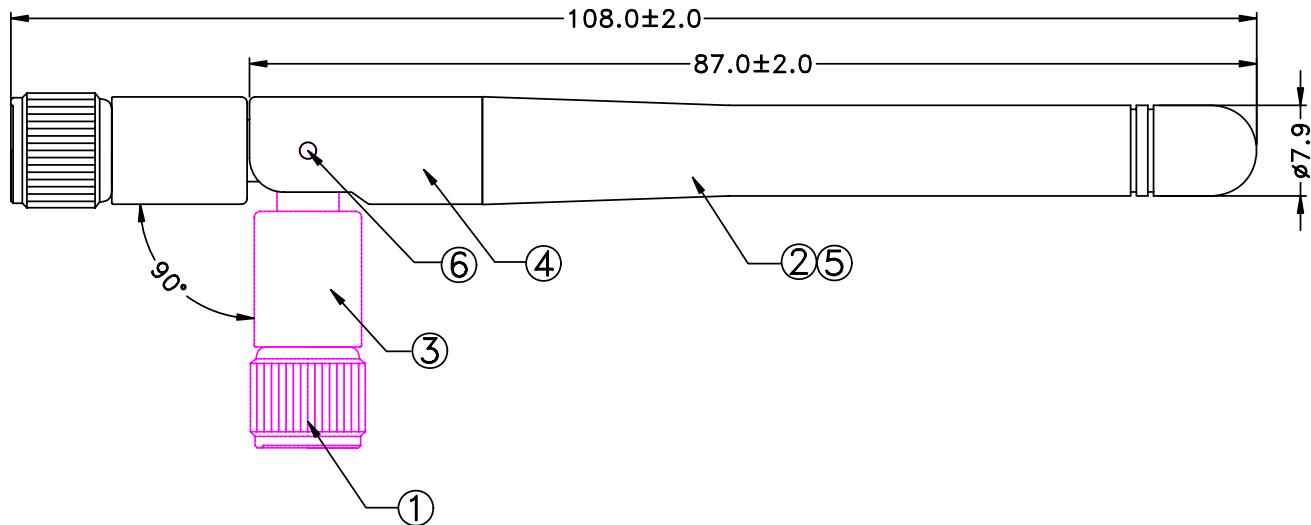
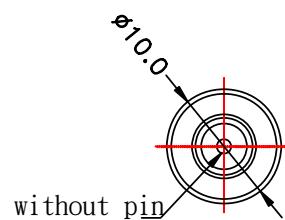
1.1	Frequency Range.....	2.4Ghz ~2.5Ghz
1.2	Impedance.....	50Ω Nominal
1.3	VSWR.....	2.0Max
1.4	Radiation.....	Omni-Directional
1.5	Gain(peak)	2dBi
1.6	Polarization.....	Linear Vertical
1.7	Admitted Power	1W

2. Physical Properties

2.1	Antenna Cover.....	TPEE
2.2	Operating Temp.....	-20°C ~+65°C
2.3	Storage Temp.....	-20°C ~+65°C
2.4	Color.....	White

APPROVE:

REV	DATE	ECN NO	DESCRIPTION	Name
A	07.12.27		NEW RELEASE	MACRO



NOTES:

1. Electrical:

- 1.1 Impedance: 50 OHM.
- 1.2 Frequency: 2.4Ghz~2.5Ghz
- 1.3 VSWR: ≤2.0
- 1.4 Peck Gain: 2dBi
- 1.5 Polarization: Linear
- 1.6 Radiation Patten: Omni-directional

2. Environmental:

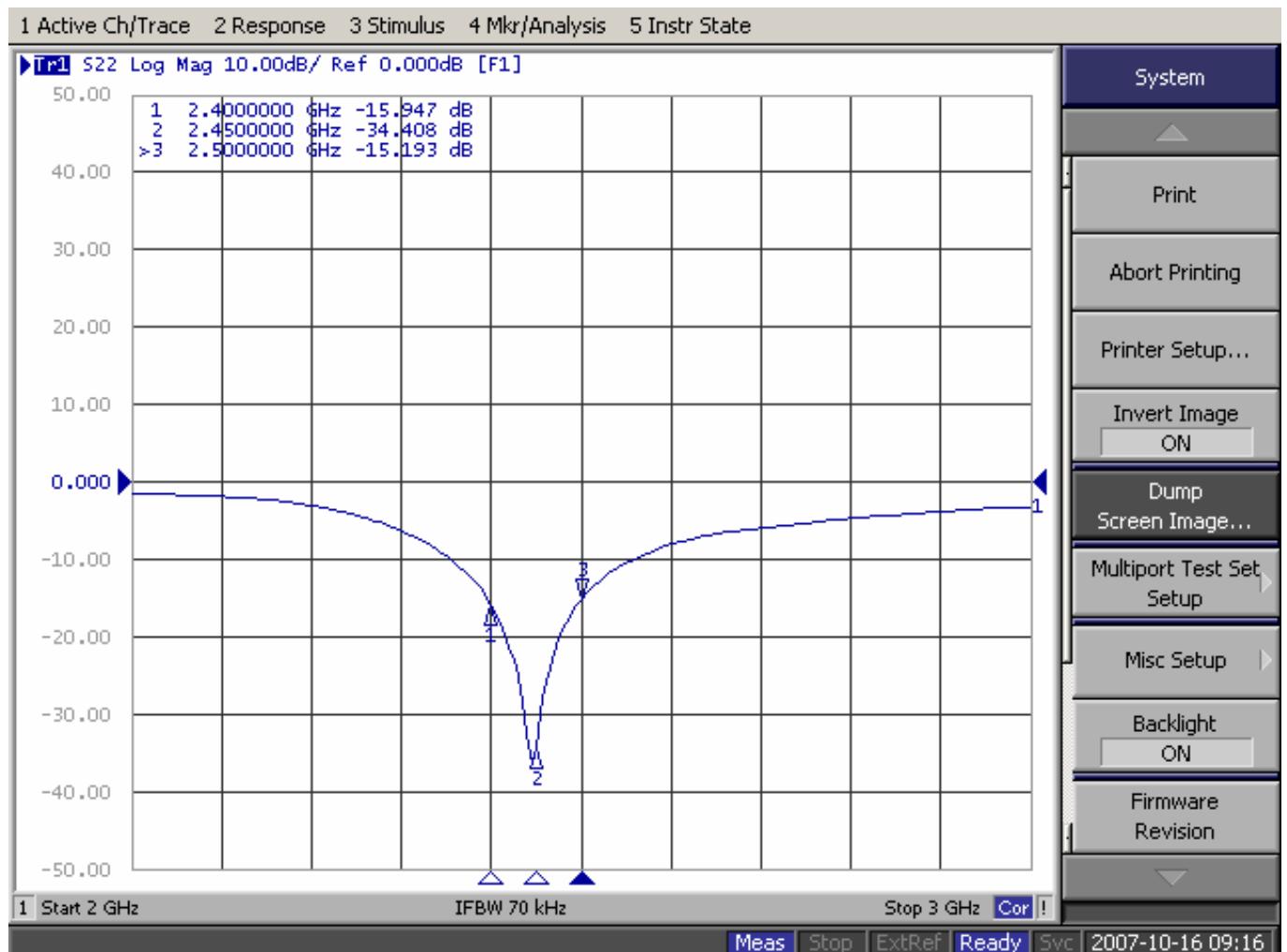
- 2.1 Storage Temperature Range: -40 TO +85°C
- 2.2 Operating Temperature Range: -40 TO +85°C

3. All material must meet RoHS Request.

6	RIVET		POM;COLOR:WHITE	2		CUSTOMER: 合勤	EACH-TAI CORPORATION 東莞鎰台電子有限公司 ON-HOLD TECHNOLOGY CORPORATION
5	COVER		TPEE;COLOR:WHITE	1			
4	MIDDLE BASE		PC;COLOR:WHITE	1			
3	UP BASE		PBT;COLOR:WHITE	1		CUSTOMER PART NO:	V750W
2	CABLE	1RG178BR011CA-36	RG178 ,COLOR:BROWN Ø1.80	1		ORD NO:	RFD-0712004
1	CONNECTOR		SMA STR PLUG WITH WHITE COAT	1		REF NO:	ETD-0803001
ITEM	NAME	PART NO.	SPEC	Q' TY	VENDOR	APPROVE	CHECKED
TITLE:	2.4Ghz dipole Antenna with sma r/p plug					Anderson	Macro
DWG NO:	RFD-0712004		SHEET : 1 OF 1	UNIT	m/m	SCALE	FREE

網絡分析儀測試報告(Return_loss)

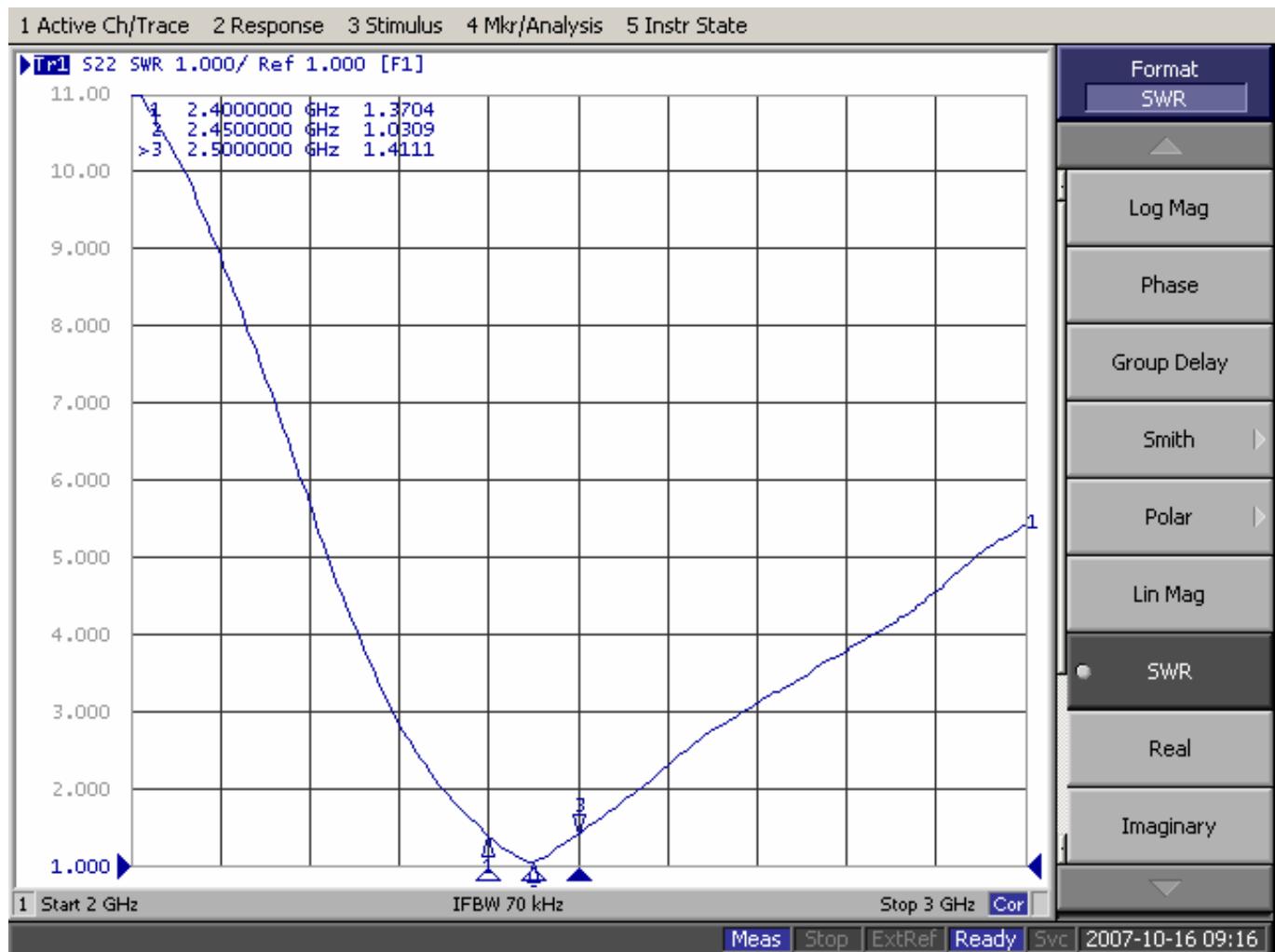
客戶 Customer: 合勤	客戶料號 Order No: RFD-0712004
品名 Part Number: 2.4Ghz white dipole antenna	日期 Date: 2008-03-03



核准 Approved By: Anderson	制作 Checked By: Macro
日期 Date: 2008-03-03	日期 Date: 2008-03-03

網絡分析儀測試報告 (VSWR)

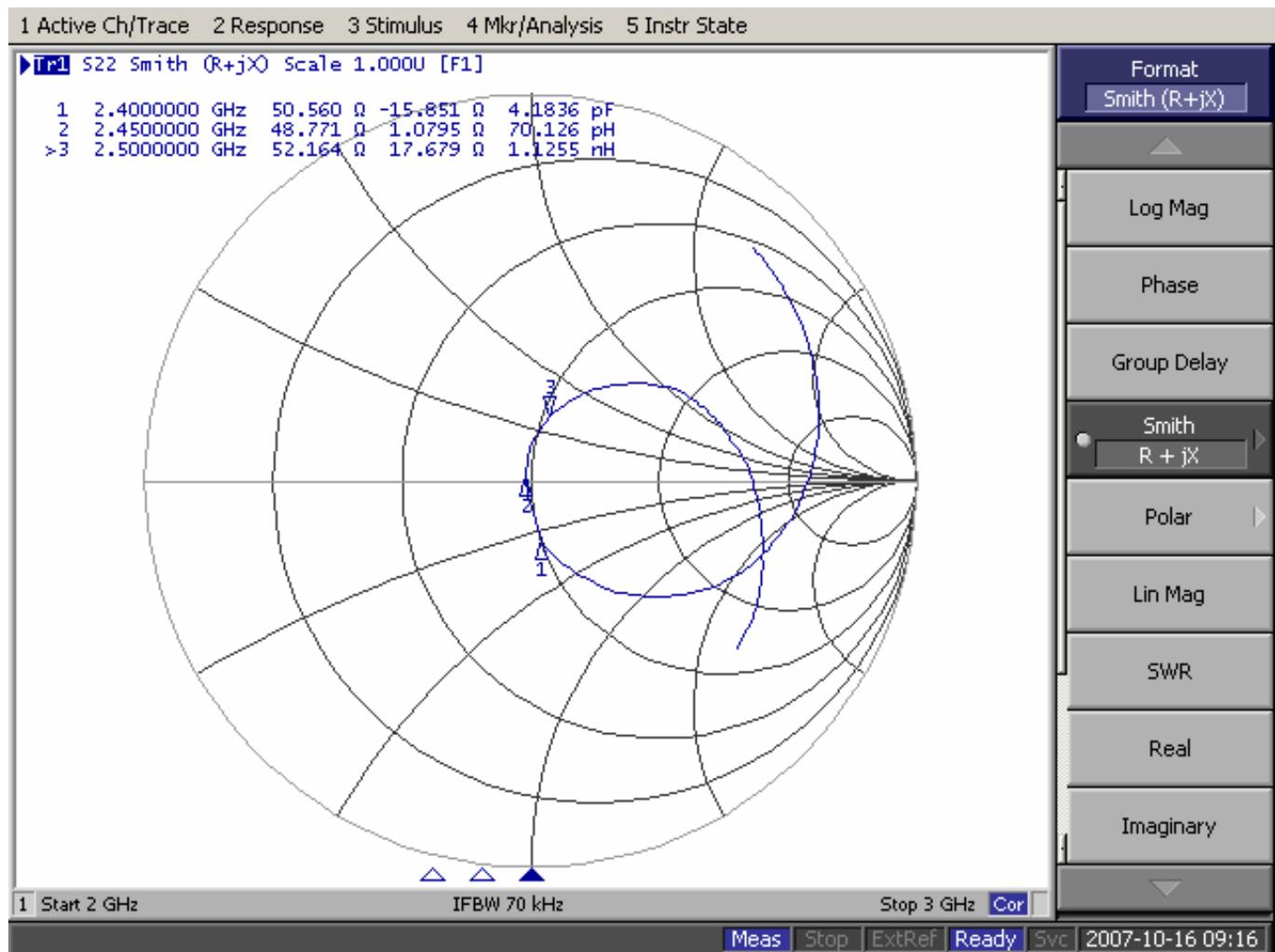
客戶 Customer: 合 勸	客戶料號 Order No: RFD-0712004
品名 Part Number:2.4Ghz white dipole antenna	日期 Date: 2008-03-03



核准 Approved By: Anderson	制作 Checked By: Macro
日期 Date:2008-03-03	日期 Date:2008-03-03

網絡分析儀測試報告 (Smith Chart)

客戶 Customer: 合勤	客戶料號 Order No: RFD-0712004
品名 Part Number: 2.4Ghz white dipole antenna	日期 Date: 2008-03-03



核准 Approved By: Anderson	制作 Checked By: Macro
日期 Date: 2008-03-03	日期 Date: 2008-03-03



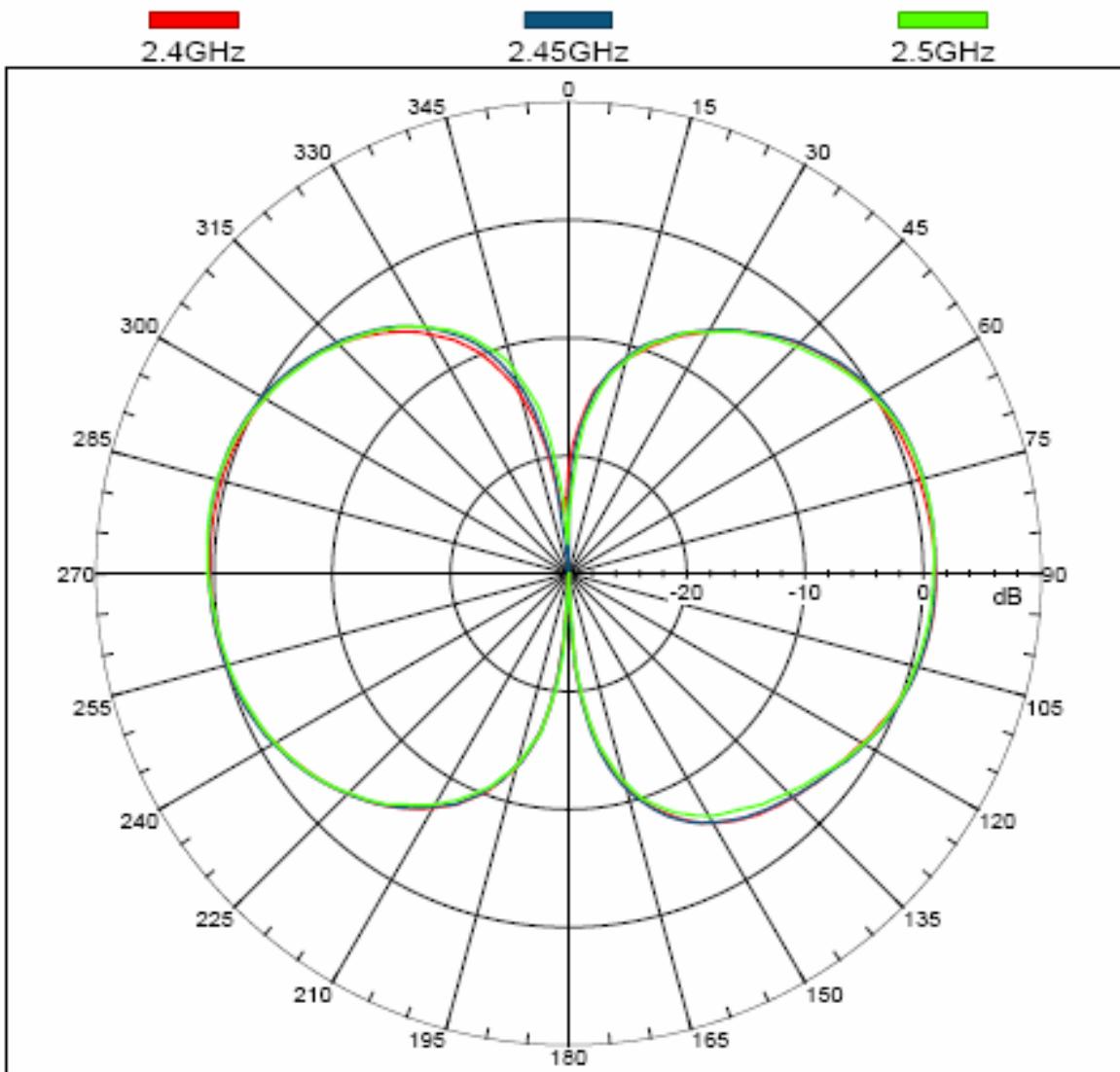
EACH-TAI CORPORATION
東莞鎰台電子有限公司
ON-HOLD TECHNOLOGY CORPORATION

天線場型圖 Radiation Pattern:

客戶 Customer: 合勤	客戶料號 Order No: RFD-0712004
品名 Part Number: 2.4Ghz white dipole antenna	日期 Date: 2008-03-03

SPEC: 2.4Ghz~2.5Ghz

Far-field amplitude of E-plane



核准 Approved By: Anderson	制作 Checked By: Macro
日期 Date: 2008-03-03	日期 Date: 2008-03-03



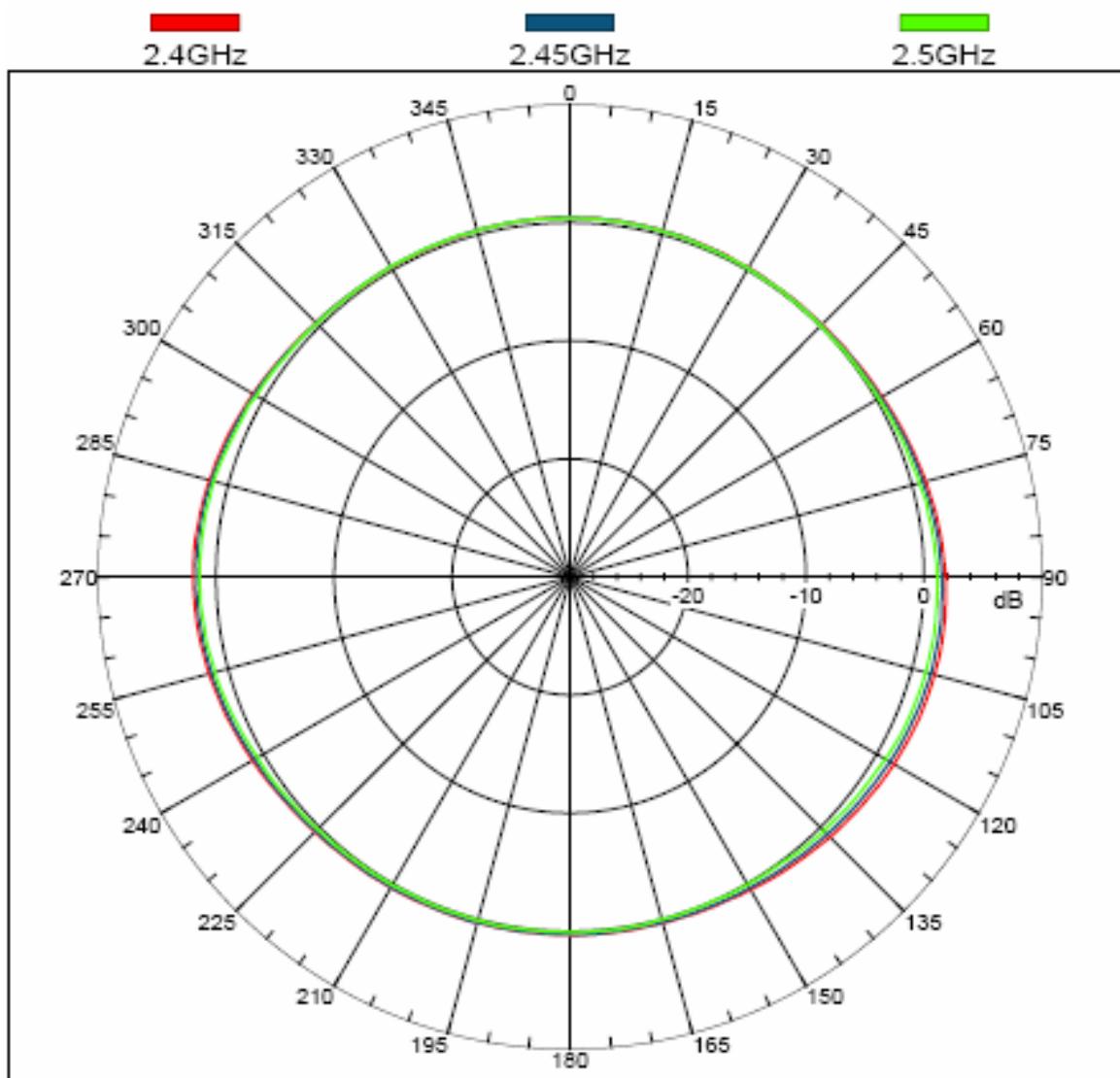
EACH-TAI CORPORATION
東莞鎰台電子有限公司
ON-HOLD TECHNOLOGY CORPORATION

天線場型圖 Radiation Pattern:

客戶 Customer: 合勤	客戶料號 Order No: RFD-0712004
品名 Part Number: 2.4Ghz white dipole antenna	日期 Date: 2008-03-03

SPEC: 2.4Ghz~2.5Ghz

Far-field amplitude of H-plane



核准 Approved By: Anderson	制作 Checked By: Macro
日期 Date: 2008-03-03	日期 Date: 2008-03-03

Material Safety Data Sheet

一、Identification of the substance / preparation and company

Product Information : Glass Fiber Reinforced Nylon 66

Product Number : DNG-1130

Information on Producer/Supplier Name、Addresses、Phone:

Star One Industrial Co., Ltd. 4F-6, No. 3, Wu-Chuan 1st rd., Hsin Chuang, Taipei Hsien, Taiwan

Emergency Phone / Fax : 02-22990160 / 02-22990163

二、Composition / Information on Ingredients

Single

English Name :

Synonyms :

Chemical Abstracts Number (CAS No.) :

Percentage for Chemical Ingredient (%) :

Mixing :

Chemical Characte :

Hazardous Components Name	Concentration / Percentage	Hazard Symbols
Nylon	70%	None
Glass Fiber	30%	None

三、Hazard Identification :

Major Hazard Effect

* Hazard Warnings for Health : None

* Hazard Warnings for Environment : None

*Physical and Chemical Dangerous : None

*Special Harm : None

Major State : None

Hazard Category : Flammability

四、First Aid Measures:

Emergency and First Aid Procedures	(Glass fiber)
• Inhalation : Remove to fresh air, Drink Water to clear throat and blow nose to evacuate dust.	
• Skin Contact : Wash with mild soap and warm water	
• Eye Contact : Flush with large amounts of water until irritation subsides, as least 15 minutes	
• Ingestion : Emergency procedures not normally required	
Major Disease and Harm Effect : None	
First-Aid Personal Protection : None	
Prompt to Doctor : If coughing and irritation develop, call a physician (Glass fiber)	

五、Fire Fighting Measure:

Suitable Extinguishing Media : Use water spray, dry chemical, foam, or carbon dioxide to extinguish flames.

Special Exposure Hazards : Hazardous melting and dripping may occur at elevated temperatures. May burn at or above flesh point.

Special Extinguishing Procedure : Firefighters should wear NIOSH/MSHA approved Self-contained breathing apparatus and full protective Clothing.

Special Protection Equipment : No special equipment or procedures required

六、Accidental Release Measures

Personal Protection : None

Environmental Protection : None

Methods for Cleaning Up : Sweep up and place in an appropriate closed container.

七、Handling and Storage

Handling : Practice good housekeeping and clean up spills immediately, as this product can present a serious slipping hazard

八、Exposure Control / Personal Protection

Engineering Control : It is recommended that adequate ventilation be provided at external extrusion points where the product is at elevated temperatures
Control Factor : • TWA/STEL/CEILING : None
Personal Protection Equipment : • Respiratory Protection : Air borne concentrations • Hand Protection : Gloves and boots resistant to chemicals and petroleum distillates • Eye Protection : Safety glasses. Chemical type goggles • Skin & Body Protection : Protective clothing such as coveralls or lab coats
Hygiene Procedures : No fire at work place

九、Physical and Chemical Properties / Characteristics

Appearance : Pellets	Form : Pellets
Colour : NATURAL	Odour : Odorless
pH value : (0.1M) Not applicable	Boiling Point / Boiling Range: °C Not applicable
Decomposition Temperature : 350 °C	Flash Point : °F °C Test Method : Not applicable <input type="checkbox"/> Open Cup <input type="checkbox"/> Close Cup
Spontaneous Temperature : Not applicable	Exposure Limits : % Not applicable
Vapor Pressure : Not applicable (Below) mmHg@20°C	Vapor Density : (Air=1.0) Not applicable
Specific Gravity : 1.10 ~ 1.12	Solubility in Water : g/L Insoluble

十、Stability and Reactivity

Stability : Stable at normal temperature and storage conditions (Melting Point : 250°C)
Special Conditions of Hazardous Reaction : At processing temperature some degree of thermal degradation will occur.
Conditions to Avoid : High temperature, fire.
Incompatibility : Incompatible with strong oxidants
Hazardous Decomposition Products : None

十一、 Toxicological Information

Acute Toxicity : None

Local Effects : None

Sensitive : Low

Chronic : None

Exceptional Effect : None

十二、 Ecological Information

Possibility of Environmental Impact/Move : Not biodegradable, can be recycled

十三、 Disposal Information

Disposal Information : This product has been evaluated for RCRA characteristics and does not meet the criteria of a hazardous waste if discarded in its purchased form

十四、 Transport Information

International Transport Regulation : DOT, ICAO, IMDG Not regulated

The United Nations Number (Un-No) : None

Internal Transport regulation : Not regulated

Special Transport Way and Note : Not regulated

十五、 Regulation Information

Apply Regulation : Taiwan Ministry of International Trade and Industry Inventory

十六、 Other Information

Reference	1. CAS 9010-79-1 (Huntsman) 2. CAS65997-17-13 (Knauf) 3. CAS25722-45-6 (Dupont)		
Make Unit	Name : Star One Industrial Co., Ltd. Addresses/Phone : No. 12, 2 ND ST., Poutzu Industrial District, Poutzu Jen, Chiy Yi Hsien Taiwan. / 05-3693211		
Make People	Professional Post : Manager	Name (Sign) : Hou Wen-Hsiung	
Make Date	94.05.17		
Document No.	940517MD2	Version	1
		Document type	MSDS

Safety Data Sheet

complies with: directive 91/155/EEC
ISO 11014-1:Safety data sheet for chemical products.

revision: 2.0

revision date: 19/01/1996
date of issue: 16/12/1997

1. Product and company identification

Product name:

TPE-E

Product code:

ELS5F

Manufacturer:

Tong Siong International

**No.68, Zihciangsin Rd, Yilan City, Yilan
County 260, Taiwan(R.O.C)**

Emergency number:

(886)3-9362005

2. Composition/Information on ingredients

This chemical product is a preparation

Thermoplastic polyether-ester elastomer
37282-12-5

Chemical nature:

CAS number:

Components contributing to the hazard:

Not relevant

3. Hazards Identification

Most important hazards:

Hazard warning not required

Specific hazards:

Vapour and fumes released at elevated processing temperatures may be irritant for the eyes, the nose, the throat and the respiratory tract and in case of overexposure may cause nausea and headache.

The material is not classified as being a dangerous preparation according to the EEC-Directive 88/379 and the subsequent amendments. See also Section 15.

4. First-Aid measures

Inhalation:

When fumes of molten material have been inhaled;

- Move person to fresh air as quickly as possible
- rest in half upright position
- loosen clothing
- keep warm

In case of respiratory problems move person to first aid station for medical treatment.

Skin contact:

Any molten material on the skin/burns should be cooled (off) as quickly as possible by means of cold water. Cover the wound with sterile cloth and move person to first aid station or hospital for medical treatment. Attention: never pull off the molten material from the wound.

Eye contact:

Any material entering the eye should be flushed out with copious volumes of water.

Ingestion:

No danger of toxicity, this material is biologically inactive (see also Section 11).

revision: 2.0

revision date: 19/01/1996
date of issue: 16/12/1997

5. Fire-fighting measures

Extinguishing media:

Water, water/foam, CO₂, ABC fire extinguisher powder.

Specific Hazards:

Treat the material as a solid that can burn. Moulded parts or solid granules generally burn slowly with flaming drips.

In case of fire appreciable quantities of carbon monoxide are released in combination with irritating and/or toxic substances.

Protection for the fire-fighters:

Do not approach fire in confined space without positive pressure self breathing apparatus and full bunker gear: bunker coats, helmet with face shield, gloves, rubberboots.

6. Accidental release measures

Personal precautions:

- Apply ample grounding with respect to dust explosion danger caused by released dust from granulate supply (filters): see section 7.
- Protection of skin/eye/hand: see section 8.

Environmental precautions:

Disposal considerations- see section 13.

Cleaning up methods:

Shovel or sweep up, use especially industrial vacuum cleaner to suck possible fines/dust. Avoid generating dust clouds. Put into containers for reclaiming or disposal.

7. Handling and storage

Handling

Technical measures:

Make provisions for sufficient ventilation and local exhaust at vent, nozzle and ejected melt.

Precautions:

Dust and processing fumes must be removed by effective exhaust ventilation.

Storage

Technical measures and storage conditions:

The material should be stored on a dry place.

Incompatible products:

Stack pallets only two high when storing in order to prevent collapsing.

8. Exposure controls/personal protection

Control parameters:

Threshold Limit Value (TLV): a provisional TLV (TWA 8 hours) is advised in accordance with the TLV of non-toxic nuisance dust:

- 10 mg/m³ for total dust.
- 5 mg/m³ for respirable dust.

Personal protective equipment:

- Respiratory protection: when TLV is accidentally exceeded see section 7 (prevention dust generation).
- Hand protection: when handling a hot melt, heat resistant gloves should be worn (e.g. when purging a processing machine).
- Eye protection: when handling a hot melt, heat resistant face shields should be worn (e.g. when purging a processing machine).

revision: 2.0

revision date: 19/01/1996
date of issue: 16/12/1997

- Skin and body protection: the use of apron, boots and/or full protective suit is not prescribed here; it is up to the decision of the processor.

Hygiene measures:

Adequate washing facilities, with supplies of mild soap and hand cleanser should be available at all working locations. Solvents should never be used as hand cleansers. Smoking, eating and drinking in working and storage area's should be prohibited.

9. Physical and chemical properties

Physical state	: solid, at 20°C.
Form	: granulate.
Colour	: natural opaque, dependent on added pigment.
Density	: > 1.0 g/cm ³ .
Melting point/range	: 185 - 221°C. (depending on grade)
Odour	: no special odour.
Solubility in water	: insoluble.
Decomposition Temp.	: > 300°C.
Flashpoint	: > 345°C.
Auto Ignition Temp.	: > 345 °C.
Dust Explosive Properties:	
Lower Explosion Limit (LEL)	: < 10g/m ³ .
Minimum Ignition Temp.	: >350 °C.
Dust Explosion Class (st)	: 1

10. Stability and reactivity

Stability:

The material is chemically unreactive. Under certain conditions however hazardous reactions can take place.

Conditions to be avoid:

Temperatures >300° C and/or long residence times should be avoided since thermal degradation occurs.

Materials to avoid:

Strong oxidising agents.

Hazardous decomposition products:

At processing temperatures some degree of thermal degradation will occur. Although highly dependent on temperature and environmental conditions, traces of a variety of toxic and/or irritating gases may be evolved.

11. Toxicological Information

Acute toxicity:

None (LD₅₀ oral rat >5000 mg/kg)

Local effects:

The material appears to be a non-toxic substance in standard toxicological and ecotoxicological tests and is regarded as biologically inactive.

12. Ecological information

Persistence/degradability:

very low UV degradability.

Ecotoxicity:

no indication that this material is being a risk to the environment.

Aquatic toxicity:

insoluble non toxic solid material (no water hazard).

revision: 2.0

revision date: 19/01/1996
date of issue: 16/12/1997

13. Disposal Considerations

This material - as well as the packaging there off - presents no danger regarding toxicological and/or ecological considerations. It can be burnt in a controlled way or be disposed of via Landfill, or it can be recycled for - possibly less critical - non food applications.

Note: Additional national or regional provisions may be in force within this matter.

14. Transport Information

General precautions Keep this material dry during transport.

Special precautions No special precautions have to be met.

This material is not classified according to the recommendations of the UN (8 edition) on the transport of dangerous goods.

15. Regulatory Information

Labelling according to EEC directive 88/379/EEC and subsequent amendments is not required. Additional national legislation may be in force in this matter.

EEC classification: No dangerous preparation.

R(isk) phrases: N.a.

16. Other Information

None of the materials and/or products referenced herein should be used and/or applied in any product, device or material used or for use as human body implant or otherwise within the human body.

* represents changes made to the document since the last revision date of the document.

Test Report

No. CANEC0700497201

Date: 30 Oct 2007

Page 2 of 3

Test results by chemical method (Unit : mg/kg)

Test Item(s)	Method (Refer to)	No.1	MDL
Cadmium(Cd)	(1)	27	2
Lead (Pb)	(1)	29017	2
Mercury (Hg)	(1)	N.D.	2
Hexavalent Chromium (CrVI) by boiling water extraction	(2)	Negative	See Note 4

Note:

1. mg/kg = ppm
2. N.D. = Not Detected (< MDL)
3. MDL = Method Detection Limit
4. Spot-test:

Negative = Absence of CrVI coating, Positive = Presence of CrVI coating;
(The tested sample should be further verified by boiling-water-extraction method if the spot test result
cannot be confirmed.)

Boiling-water-extraction:

Negative = Absence of CrVI coating
Positive = Presence of CrVI coating; the detected concentration in boiling-water-extraction solution is
equal or greater than 0.02 mg/kg with 50 cm² sample surface area.

Test Part Description

No. 1 Brassy metal rod



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GZCM 1644592

Test Report

No. CANEC0700497201

Date: 30 Oct 2007

Page 1 of 3

ZHONG SHAN SHI YANG METAL PRODUCT CO.,LTD
THE THIRD INDUSTRIAL AREA NAA LANG TOWN ZHONG SHAN CITY GUANGDONG PROVINCE
CHINA

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

JisC3604BD COPPER

SGS Job No. : 10644323 - SZ

SGS Internal Reference No. : 2.1

Date of Sample Received : 25 Oct 2007

Testing Period : 25 Oct 2007 - 30 Oct 2007

Test Requested : To determine the Cadmium, Lead, Mercury & Hexavalent Chromium content in the submitted sample.

Test Method : With reference to IEC 62321 Ed.1 111/54/CDV Procedures for the Determination of Levels of Regulated Substances in Electrotechnical Products.

(1) Determination of Cadmium by ICP.

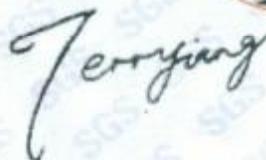
Determination of Lead by ICP.

Determination of Mercury by ICP.

(2) Determination of Hexavalent Chromium by Colorimetric Method.

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

Signed for and on behalf of
SGS-CSTC Ltd.



Jiang Yongping, Terry
Sr. Engineer

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Test Report

No. CANEC0700497201

Date: 30 Oct 2007

Page 3 of 3

Sample photo:



C

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SGS-CTDI Guangzhou Technical Service Co., Ltd.
Guangzhou Branch, China Accredited Laboratory

19 Kehu Road, SCIENTECH Park, Guangzhou Economic & Technology Development District, Guangzhou, China 510663
中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663

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e sgs.china@sgs.com

GZCM 1644593

Member of the SGS Group (SGS SA)

Test Report

FLUOTECH INDUSTRIAL CO., LTD.
PANLIVILLAGE, LILIN HUIZHOU GUANGDONG CHINA

No. : CE/2007/32435
Date : 2007/03/15
Page : 1 of 4



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

Sample Description : TEFLON ROD/TUBE
Style/Item No. : TEFLON ROD/TUBE
Sample Receiving Date : 2007/03/08
Testing Period : 2007/03/08 TO 2007/03/15

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



Daniel Yeh, M.R. Operation Manager
Signed for and on behalf of
SGS TAIWAN LTD.

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Test Report

FLUOTECH INDUSTRIAL CO., LTD.
PANLIVILLAGE, LILIN HUIZHOU GUANGDONG CHINA

No. : CE/2007/32435
Date : 2007/03/15
Page : 2 of 4



Test Result(s)

PART NAME NO.1 : WHITE RUBBER

Test Item (s):	Unit	Method	MDL	Result
				No.1
Cadmium (Cd)	mg/kg	With reference to US EPA Method 3052 for Cadmium Content. Analysis was performed by ICP-AES.	2	n.d.
Lead (Pb)	mg/kg	With reference to US EPA Method 3052 for Lead Content. Analysis was performed by ICP-AES.	2	n.d.
Mercury (Hg)	mg/kg	With reference to US EPA Method 3052 for Mercury Content. Analysis was performed by ICP-AES.	2	n.d.
Hexavalent Chromium Cr(VI)	mg/kg	With reference to US EPA Method 3060A & 7196A for Hexavalent Chromium for non-metallic samples. Analysis was performed by UV/Vis Spectrometry.	2	n.d.
Polychlorinated Biphenyls (PCBs) (CAS NO.: 001336-36-3)	mg/kg	With reference to USEPA8270D method. Analysis was performed by GC/MS.	0.5	n.d.
Polychlorinated Naphthalene (PCNs)	mg/kg	With reference to USEPA8270D method. Analysis was performed by GC/MS.	5	n.d.
Chlorinated Paraffin (C10~C13) (CAS NO.: 010871-26-2)	%	With reference to USEPA8270D method. Analysis was performed by GC/MS.	0.01	n.d.

Note : 1. mg/kg = ppm
2. n.d. = Not Detected
3. MDL = Method Detection Limit
4. The MDL is 5ppm for the single compound of CP

Test Report

FLUOTECH INDUSTRIAL CO., LTD.
PANLIVILLAGE, LILIN HUIZHOU GUANGDONG CHINA

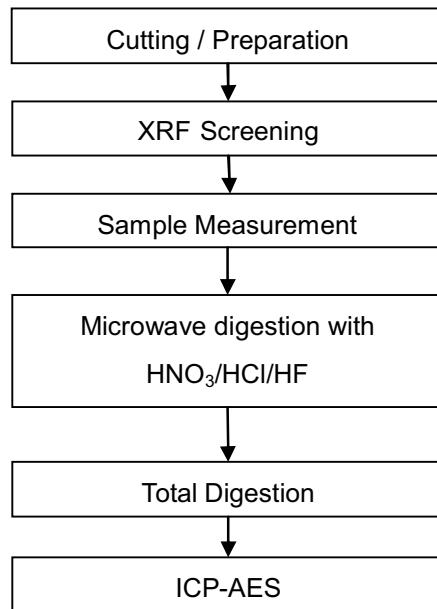
No. : CE/2007/32435
Date : 2007/03/15
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Per requirements of SONY QAR-05-002:

- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart.
- 2) Name of the person who made measurement: Troy Chang
- 3) Name of the person in charge of measurement: Daniel Yeh

Flow Chart of Digestion for Plastic –EPA3052 for Pb、Cd (without residue)



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Test Report

FLUOTECH INDUSTRIAL CO., LTD.
PANLIVILLAGE, LILIN HUIZHOU GUANGDONG CHINA

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** End of Report **

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Test Report

No. CANEC0700690202

Date: 15 Nov 2007

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SHEN ZHEN CITY LIAN FENG METAL PLASTIC PRODUCE CO.,LTD 1129 WORKSHOPS
LIULIAN LAOWEI VILLAGE INDUSTRIAL AREA PINGDI TOWN LONGGANG DISTRICT SHENZHEN
CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as :
镀金产品

SGS Job No. : 10691293 - GZ

SGS Internal Reference No. : 5.2

Date of Sample Received : 12 Nov 2007

Testing Period : 12 Nov 2007 - 14 Nov 2007

Test Requested : To determine the Cadmium, Lead, Mercury & Hexavalent Chromium content in the submitted sample.

Test Method : With reference to IEC 62321 Ed.1 111/54/CDV Procedures for the Determination of Levels of Regulated Substances in Electrotechnical Products.
(1) Determination of Cadmium by ICP.
Determination of Lead by ICP.
Determination of Mercury by ICP.
(2) Determination of Hexavalent Chromium by Colorimetric Method.

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

Signed for and on behalf of
SGS-CSTC Ltd.

Huang Fang, Sunny
Sr. Engineer

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Test Report

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Test results by chemical method (Unit : mg/kg)

Test Item(s)	Method (Refer to)	<u>No.1</u>	<u>MDL</u>
Cadmium(Cd)	(1)	N.D.	2
Lead (Pb)	(1)	N.D.	2
Mercury (Hg)	(1)	N.D.	2
Hexavalent Chromium (CrVI) by boiling water extraction	(2)	Negative	See Note 4

Note:

1. mg/kg = ppm
2. N.D. = Not Detected (< MDL)
3. MDL = Method Detection Limit
4. Spot-test:

Negative = Absence of CrVI coating, Positive = Presence of CrVI coating;

(The tested sample should be further verified by boiling-water-extraction method if the spot test result cannot be confirmed.)

Boiling-water-extraction:

Negative = Absence of CrVI coating

Positive = Presence of CrVI coating; the detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50 cm² sample surface area.

Test Part Description

No. 1 Golden plated metal

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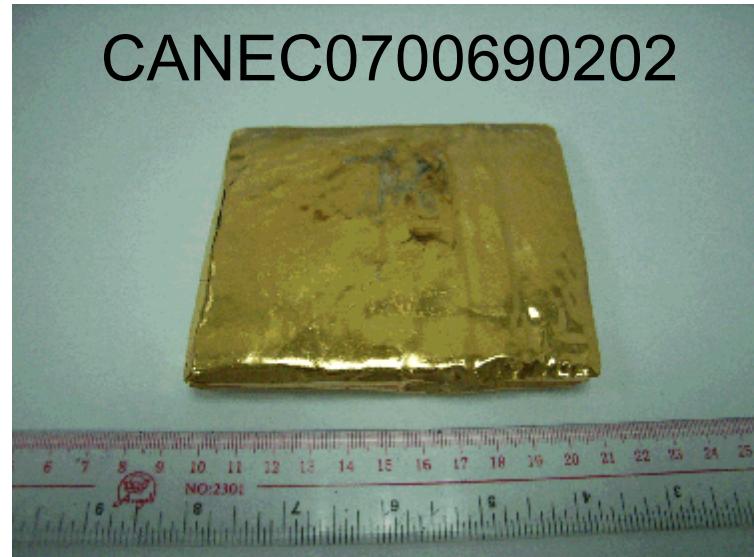
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Sample photo:



No. 1

SGS authenticate the photo on original report only

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Test Report

No.: GZ0708112794/CHEM

Date: AUG 14, 2007

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SHENZHEN CITY LIANFENG METAL PLASTIC PRODUCE CO., LTD 1129 WORKSHOPS
LIULAN LAOWEI VILLAGE INDUSTRIAL AREA PINGDI TOWN LONGGANG DISTRICT SHENZHEN

The following sample(s) was/were submitted and identified on behalf of the applicant as 镍药水

SGS Ref No. : GZ10512592EC

Sample Receiving Date : AUG 08, 2007

Testing Period : AUG 08, 2007 TO AUG 14, 2007

Test Requested : To determine the Cadmium, Lead, Mercury & Hexavalent Chromium content in the submitted sample.

Test Method : With reference to IEC 62321 Ed.1 111/54/CDV
Procedures for the Determination of Levels of Regulated Substances in Electrotechnical Products
(1) Determination of Cadmium by ICP.
(2) Determination of Lead by ICP.
(3) Determination of Mercury by ICP.
(4) Determination of Hexavalent Chromium by Colorimetric Method.

Test Results : (Unit: mg/kg)

Test Item(s):	Method (refer to)	No.1	MDL
Cadmium(Cd)	(1)	N.D.	2
Lead (Pb)	(2)	N.D.	2
Mercury (Hg)	(3)	N.D.	2
Hexavalent Chromium (CrVI) by alkaline extraction	(4)	N.D.	2

Test Part Description:

No.1 Green liquid

Note : 1. mg/kg = ppm
2. N.D. = Not Detected (< MDL)
3. MDL = Method Detection Limit

Signed for and on behalf of
SGS-CSTC Ltd.

Jiang YongPing, Terry
Sr. Engineer