



WHA YU INDUSTRIAL CO., LTD. (HEAD OFFICE)
 DONGGUAN AEON TECH CO.,LTD.(CHINA)
 TAI HWA ELECTRONIC CO., LTD.(CHINA)
 SHANGHAI HUA YU ELECTRONIC CO., LTD.(CHINA)
 SU ZHOU AEON TECH CO., LTD. (CHINA)

SPECIFICATION FOR APPROVAL

CUSTOMER: 中磊電子股份有限公司

PART NAME: RF Antenna Cable Assembly

PART NO.:

REVISION:

W. Y. P/NO.: C147-510423-A(SSR-73545)

REV.: XI

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
APPROVED BY :		
DATE :	10/26/07 	

WHA YU GROUP

WHA YU INDUSTRIAL CO., LTD.(HEAD OFFICE)

謙裕實業股份有限公司

Address: No. 326, Sec. 2, Kung Tao 5 Road, Hsin Chu City, Taiwan, R.O.C.

Tel: +886-3-5714225(REP) Fax: + 886-3-5713853 · + 886-3-5723600

DONGGUAN AEON TECH CO.,LTD.(CHINA)

東莞台霖電子通訊有限公司

Address: Lakeside Industrial Park, Da Ling Shan Town, Dong Guan City, Guangdong, China

Tel: + 86-769-85655858 Fax: + 86-769-85655251

TAI HWA ELECTRONIC FACTORY

台樺電業製品廠

Address: Pak Ho District, Hou Street Town, Dong Guan City, Guangdong, China

Tel: + 86-769-85599375 · + 86-769-85912375 Fax: + 86-769-85599376

HUA HONG INTERNATIONAL LTD.

華弘國際有限公司

Address: Rm. 1103A, President Commercial Centre, 608 Nathan Road, Mong Kok, Kowloon, Hong Kong

Tel: + 86-852-27712210 Fax: + 86-852-23843747

SHANGHAI HUA YU ELECTRONIC CO., LTD. (CHINA)

上海謙裕電子有限公司

Address: 3586, Wai Qing Song Road, Qing Pu County, Shanghai China

Tel: + 86-21-59741348 · + 86-21-59744101~4 Fax: + 86-21-59741347

SU ZHOU AEON TECH CO., LTD. (CHINA)

蘇州華廣電通有限公司

Address: Limin North Road, LiLi Town, LiLi Industrial Park, LinHu Economic Zone

Wujiang City, Jiangsu Province, China

Tel: + 86-512-63627980 Fax: + 86-512-63627981

Contents

<i>Item</i>	<i>Description</i>	<i>Page</i>
1.	天線規格表 1
2.	成品圖 2
3.	測試報告 3~5
4.	Cable 規格 6~8
5.	SGS 測試 9~50
6.	RoHS 排外條款 51

RF Antenna Cable Assembly

Specification

1. Electrical Properties :

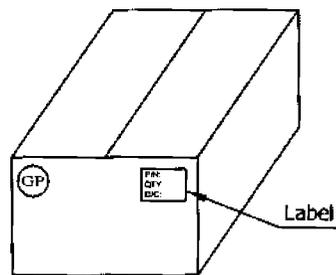
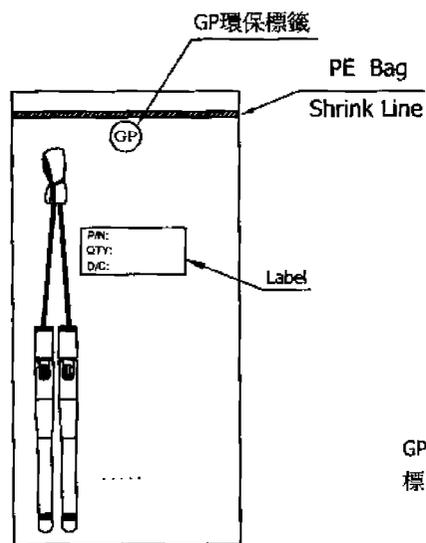
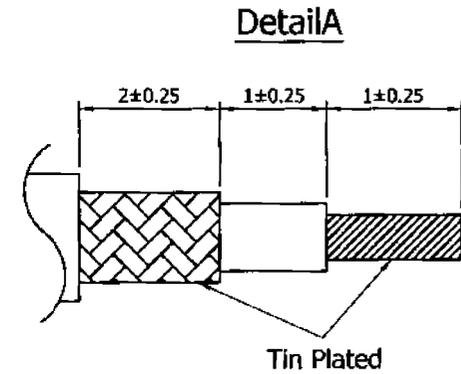
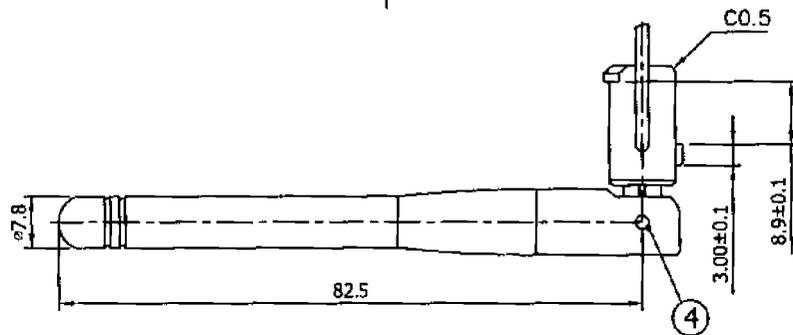
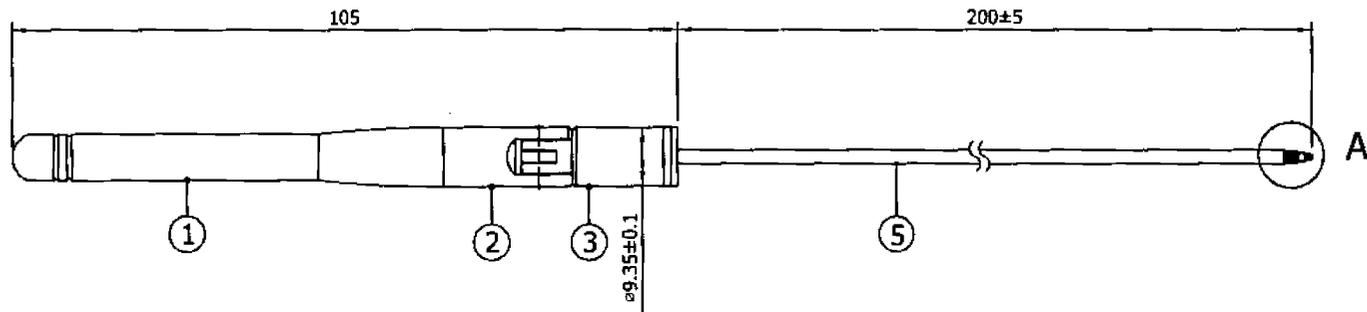
1.1 Frequency Range.....	2.4GHz ~ 2.5GHz
1.2 Impedance	50Ω Nominal
1.3 VSWR	1.92:1 Max.
1.4 Return Loss.....	-10 dB Max.
1.5 Radiation	Omni-directional
1.6 Gain.....	1.8dBi typ. (excluding cable loss)
1.7 Cable Loss.....	0.7dB Max.
1.8 Polarization.....	Linear ; Vertical
1.9 Admitted Power.....	1W
1.10 Cable.....	Φ1.13mm Coaxial Cable
1.11 Connector.....	STRIP(1/1/2)

2. Physical Properties :

2.1 Antenna Body.....	TPE
2.2 Antenna Base.....	PC
2.3 Antenna Base.....	PBT
2.4 Operating Temp.	-10°C ~ +60°C
2.5 Storage Temp.	-10°C ~ +70°C
2.6 Color	Black

CG-

REV	DATE	DESCRIPTION
X1	10/25-2007	New Issue



GP標籤貼於外箱兩邊側面左上角共2PCS
標示Label貼於外箱兩邊側面共2PCS

NO	DESCRIPTION	Q'TY	REMARK
5	Cable	1	∅1.13 Coaxial Cable
4	Rivet	2	POM ; Color : Black
3	Antenna Base	1	PBT Color : Black
2	Antenna Base	1	PC Color : Black
1	Antenna Body	1	TPE Color : Black

Packing : 25 pcs/bag

CUSTOMER'S SIGNATURE

XX	±5	APPROVED
X	±3.0	劉建邦
X	±1.0	CHECKED
XX	±0.5	
.XXX	±0.1	DRAWING

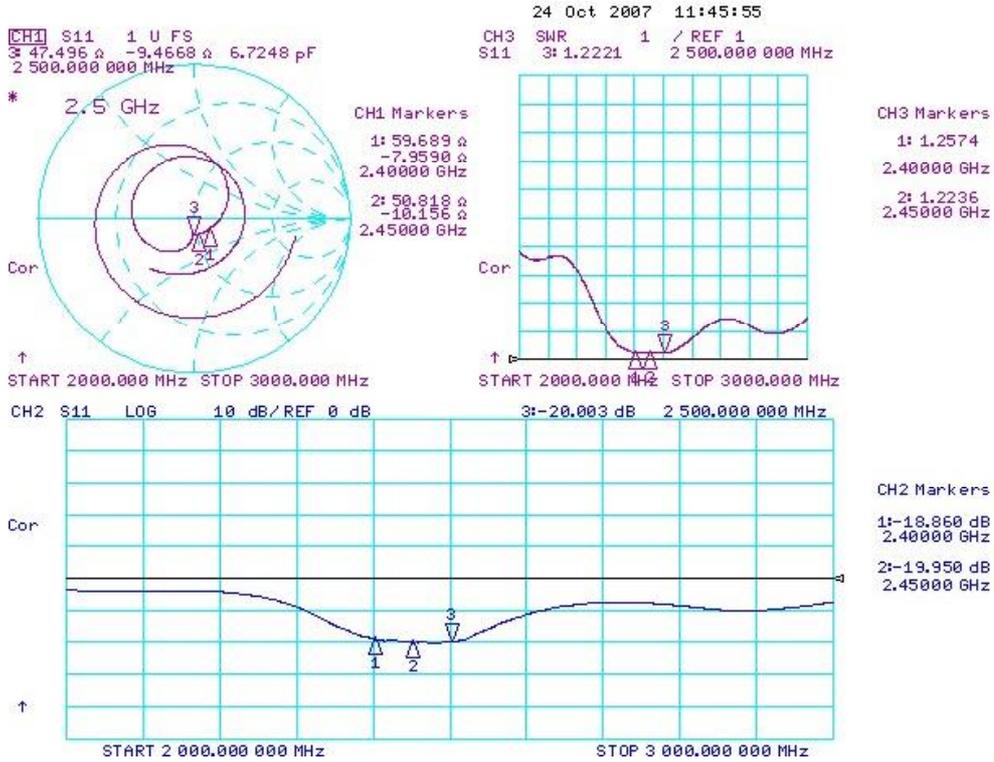
程
96.10.25
淑娟

CUSTOMER:	中磊		
PART NO :			
PARTNAME:	RF Antenna Cable Assembly		
W.Y P/NO :	C147-510423-A		
REV	UNIT	FILE	SSR-73545
X1	m/m	SHEET	1/1

M.gear Wha Yu Group
THIS DRAWING, AND ITS INHERANT DESIGN CONCEPTS, ARE THE PROPERTY OF WHA YU AND AS SUCH MAY NOT BE COPIED, REPRODUCED, OR GIVEN TO THIRD PARTIES WITHOUT THE WRITTEN CONSENT OF WHA YU.

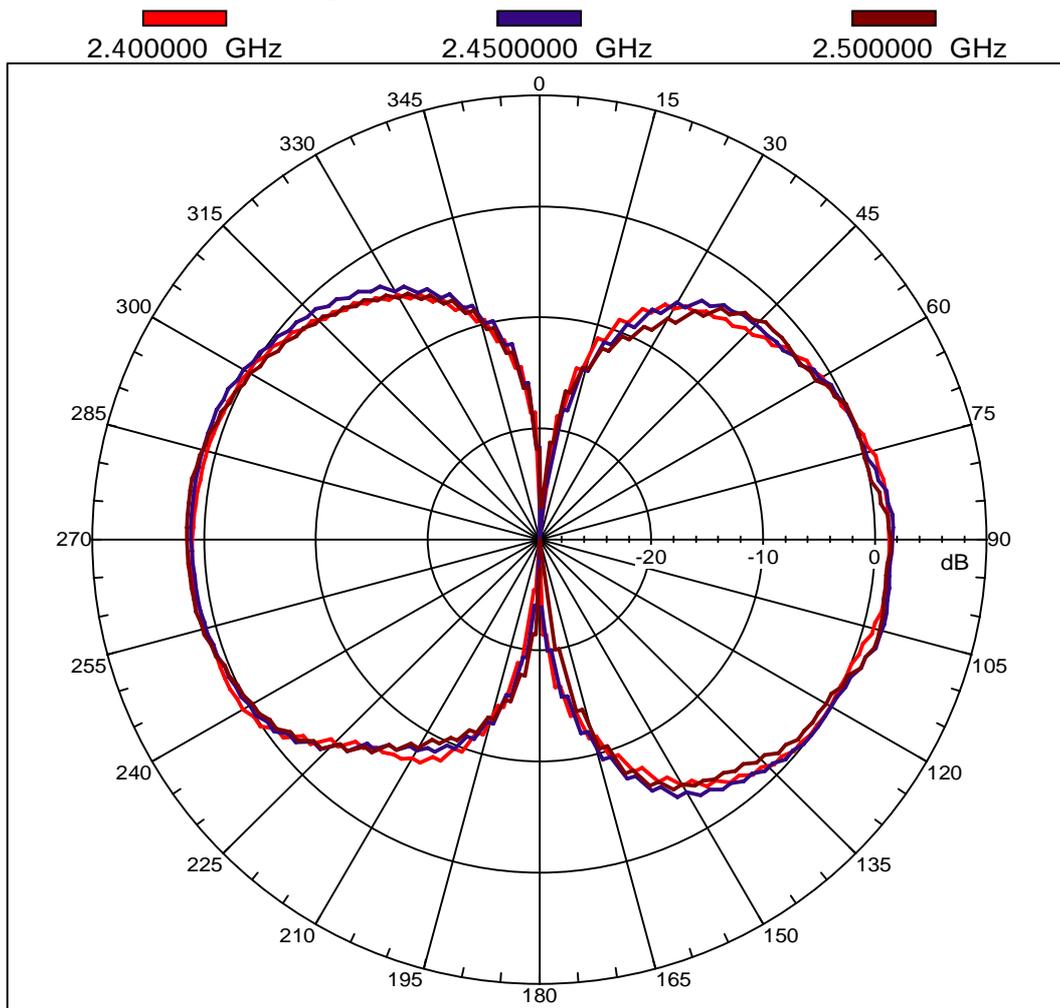
RF Antenna Assembly

P/NO : C147-510423-A(SSR-73545) SPEC : 2.4~2.5GHz



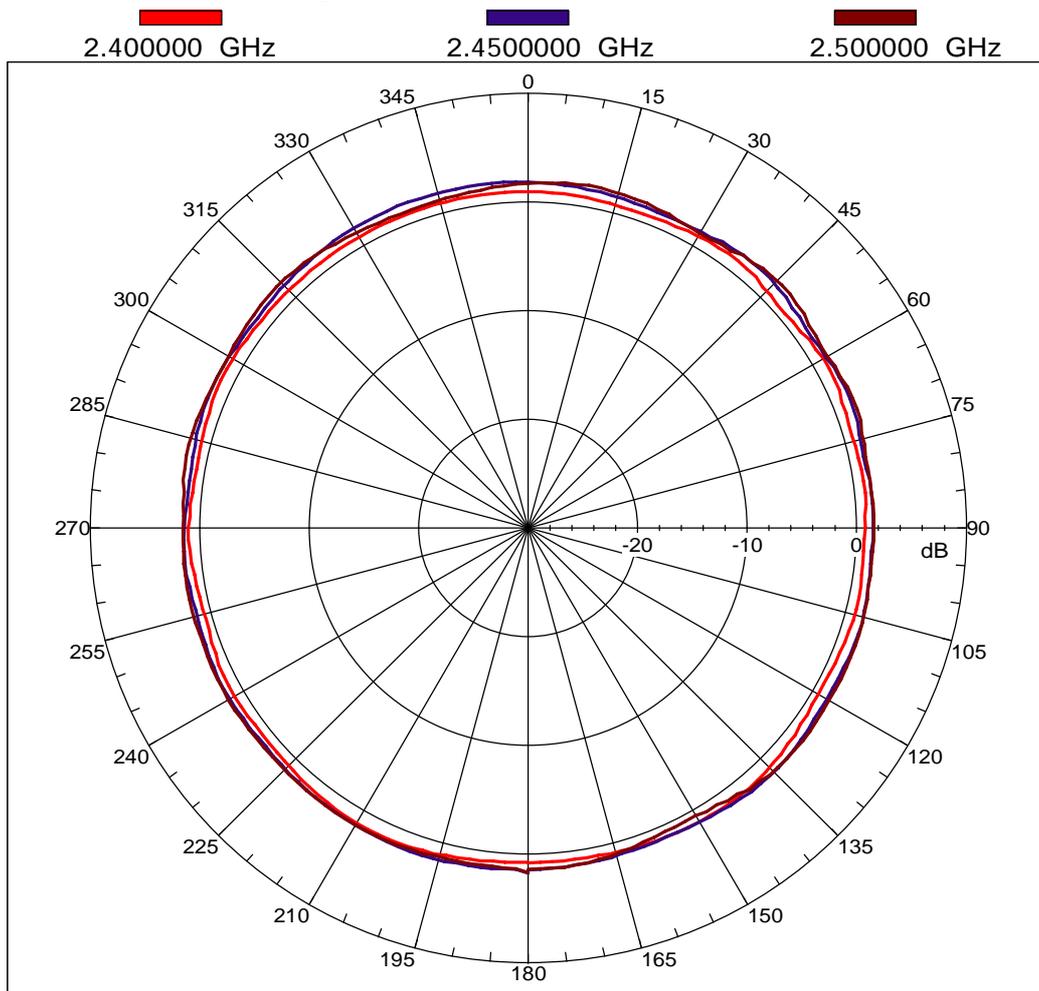
2007/10/25

Far-field amplitude of C147-510423-H.nsi



2007/10/25

Far-field amplitude of C147-510423-V.nsi



2007/10/25

Date : 2005/02/02

Our Spec. No. WS05-M016

MESSRS.

SPECIFICATION
FOR
HIGH FREQUENCY COAXIAL CABLE
" KHCX - 32AWG - SB - TA" GRAY

SHOWA ELECTRIC WIRE & CABLE CO., LTD.

TORANOMON

TOKYO JAPAN

T. Mori

T. Mori
Manager, Engineering Section
Engineering Dept.
Electronic Wire Business Unit

1. 適用(SCOPE)

本仕様書は電子機器などの内部配線に使用される細径同軸“KHCX-32AWG-SB-TA”の構造と特性について定める。

This specification covers the construction and characteristics of coaxial cable “KHCX-32AWG-SB-TA” for internal wiring of electronic equipment.

2. ケーブル型名の説明 (EXPLANATION OF CABLE TYPE)

KHCX-32AWG-SB-TA

(1) (2) (3) (4)

(1) ケーブル略称 (Cable Abbreviation)

(2) 導体サイズ (Conductor Size)

(3) Inner Conductor Type (4) Outer Conductor Type.

3. 構造(CONSTRUCTION)

項目 Item		要求特性 Requirement
内部導体 Inner conductor	材質 Material	銀めっき軟銅線 Silver coated annealed copper wire
	構成 Stranding	7/0.08mm
	外径 Diameter	標準 0.24mm Nom. 0.24mm
絶縁体 Insulation	材質 Material	FEP
	色別 Color	自然色 Natural
	厚さ Thickness	標準 0.22mm Nom. 0.22mm
	外径 Diameter	0.68 +0.04/ -0.02mm
外部導体 Outer conductor	材質 Material	錫めっき銅合金線編組 Tinned copper alloy wire braid shield
	構成 Stranding	16/4/0.05 mm
	編組密度 Coverage	Approx. 90%
シース Sheath	材質 Material	FEP
	色別 Color	灰・白・黒 Gray・White・Black
	厚さ Thickness	標準 0.10mm Nom. 0.10mm
仕上外径 Overall diameter		1.13mm +0.08/ -0.05mm
概算質量 Approximate mass		3 kg/km