

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

SPECIFICATION FOR APPROVAL

CUSTOMER: 明泰科技股份有限公司

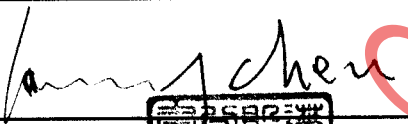

PART NAME: RF Antenna Assembly

PART NO.:

REVISION:

W. Y. P/NO.: C037-510695-A

REV.: X3

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
APPROVED BY :		
DATE :	5/22, 	

WHA YU GROUP

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

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HUA HONG INTERNATIONAL LTD.

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

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

蘇州華廣電通有限公司

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REFERENCE ONLY

RF Antenna Cable Assembly

Specification

1. Electrical Properties :

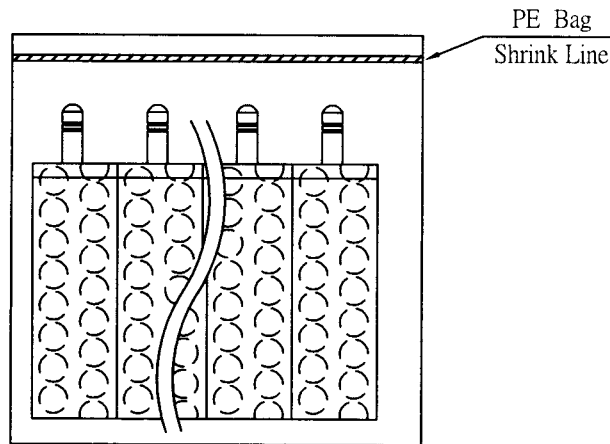
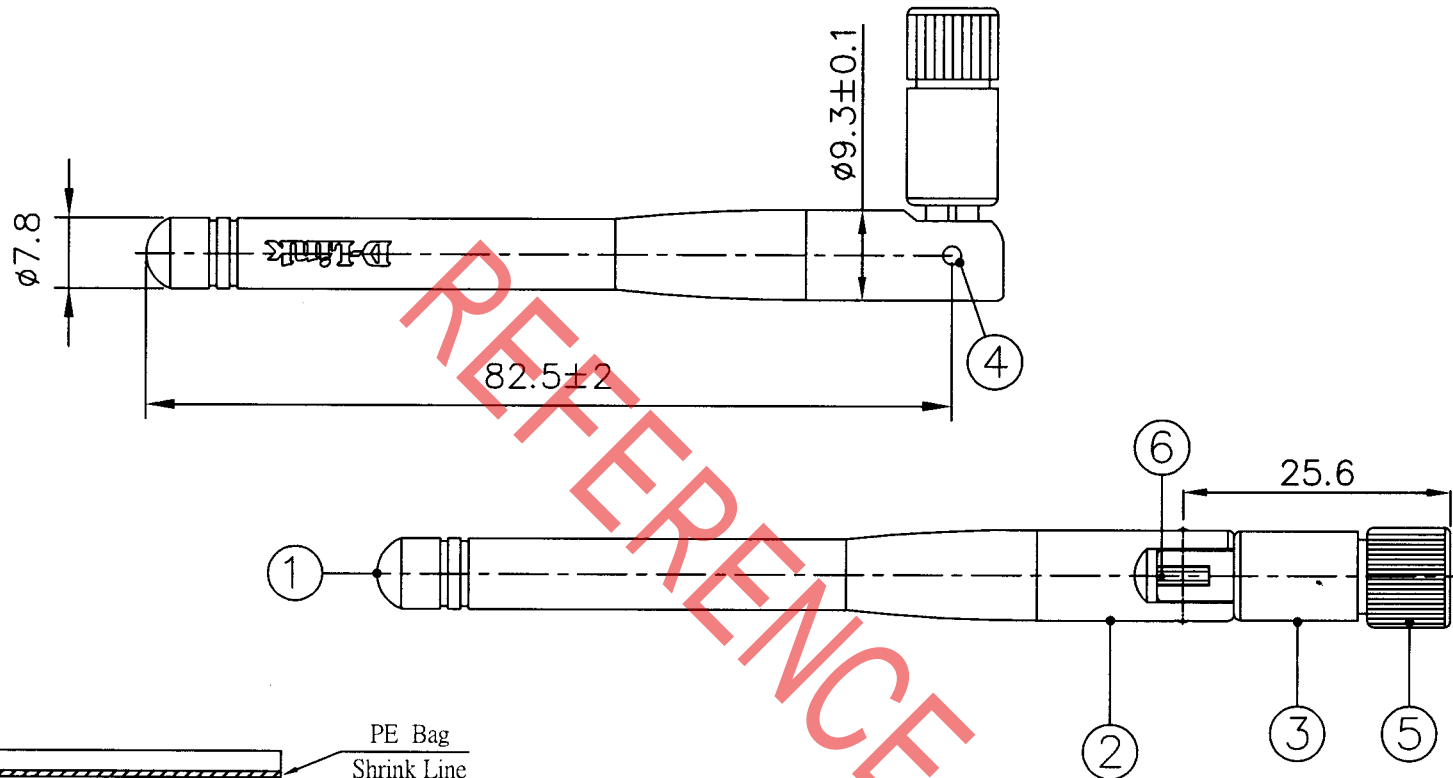
- 1.1 Frequency Range..... 2.4GHz ~ 2.5GHz
- 1.2 Impedance 50Ω Nominal
- 1.3 VSWR 1.92 Max.
- 1.4 Return Loss..... -10 dB Maximum
- 1.5 Radiation Omni-directional
- 1.6 Gain(peak)..... 1.8dBi
- 1.7 Polarization..... Linear Vertical
- 1.8 Admitted Power..... 1W

2. Physical Properties :

- 2.1 Cable..... RG-178 Coaxial Cable
- 2.2 Antenna Cover..... TPU
- 2.3 Antenna Base..... PC
- 2.4 Antenna Base..... PBT
- 2.5 Operating Temp. -20 ~ +65
- 2.6 Storage Temp. -30 ~ +75
- 2.7 Color Black
- 2.8 Connector..... SMA Plug Reverse

CG-

REV	DATE	DESCRIPTION
X1	12/15-2005	New Issue



NO	DESCRIPTION	QTY	REMARK
6	Cable	RG-178 , Translucent Brown ; 50 Ω	1
5	Connector	SMA Straight Plug/Reverse	1
4	Rivet	Brass , Zn Plated (Black)	2
3	Antenna Base	PBT ; Color:Black	1
2	Antenna Base	PC ; Color:Black	1
1	Antenna Cover	TPU ; Color:Black	1

Packing : 20 pcs/bag

CUSTOMER'S SINGATURE

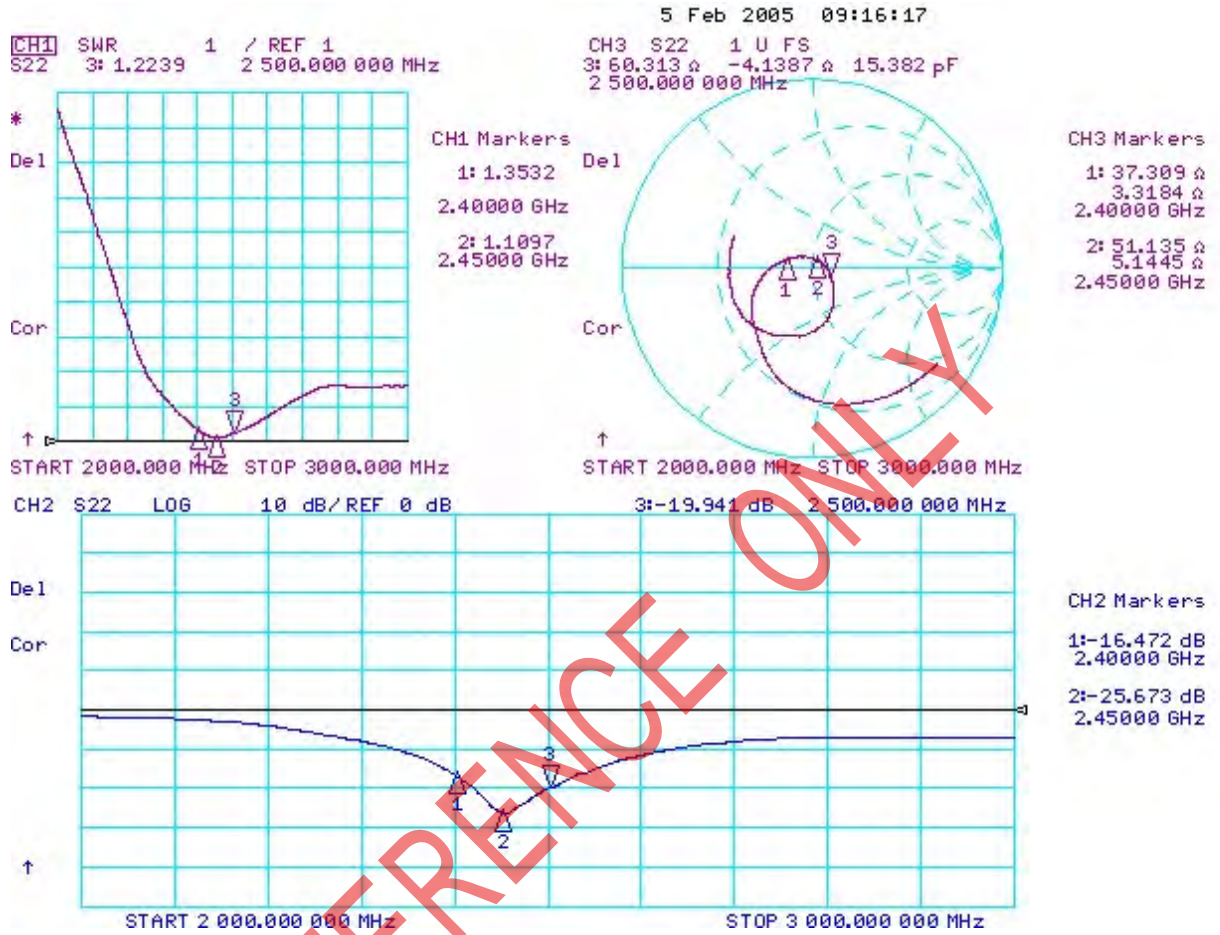
XX	± 5	APPROVED
X	± 1.0	胡超群
.X	± 0.1	CHECKED
.XX	± 0.01	林芸卉
.XXX	± 0.005	DRAWING
		程淑娟

CUSTOMER: 明泰科技股份有限公司		
PART NO :		
PARTNAME: RF Antenna Assembly		
W.Y P/NO : C037-510695-A		
REV	UNIT	FILE :
X1	m/m	SHEET : 1/1

Wha Yu INDUSTRIAL CO.,LTD.
譚裕實業股份有限公司
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- 5/13 -
7-5059240901176(E13723) B

RF Antenna Assembly
P/NO :C037-510695-A SPEC : 2.4GHz



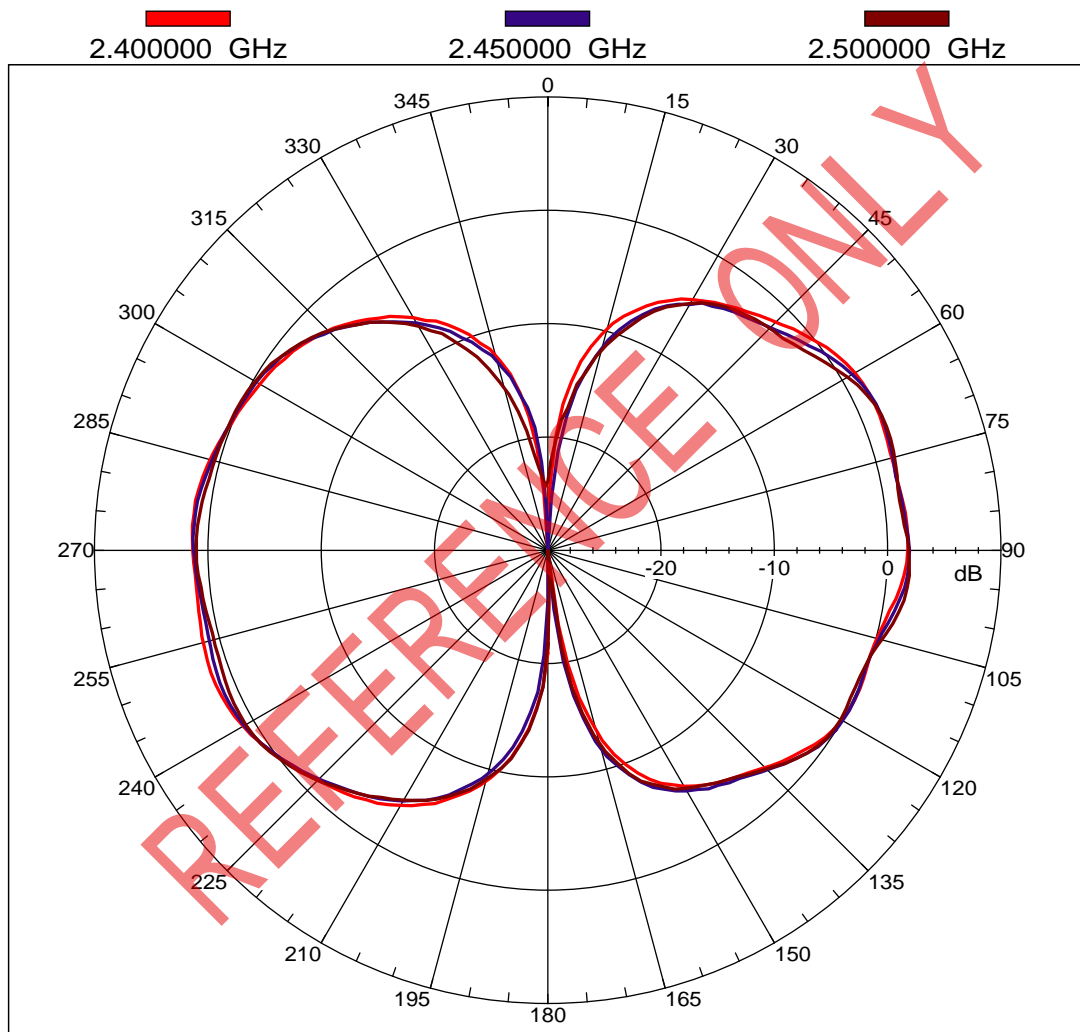
12/15/2005



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WHA YU INDUSTRIAL CO., LTD

Far-field amplitude of C037-510695-A-H.nsi

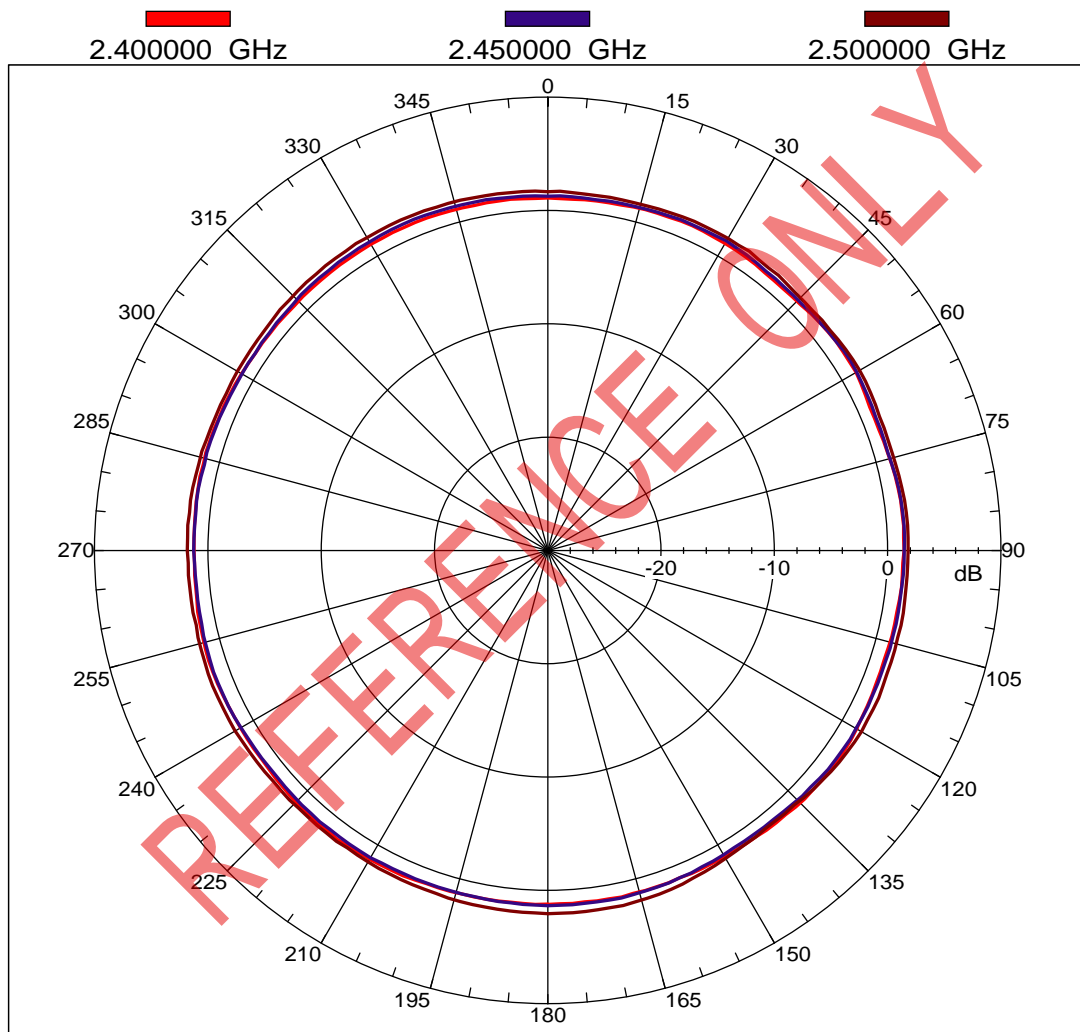




譚裕實業股份有限公司

WHA YU INDUSTRIAL CO., LTD

Far-field amplitude of C037-510695-A-V.nsi



PRODUCT SPECIFICATION	ISSUED DATE	July.12, 2000	PAGE	1/2
	REVISION		REVISION NO.	

PRODUCT NAME : Coaxial Cable
RATING : -55°C ~ 200°C
ITEM : RG 178 B/U

REFERENCE ONLY

誠謙

No.	Revised Date	Revised Details	Page	Report

REPORTED BY :

APPROVED BY :




Q.C Engineer HOON LEE

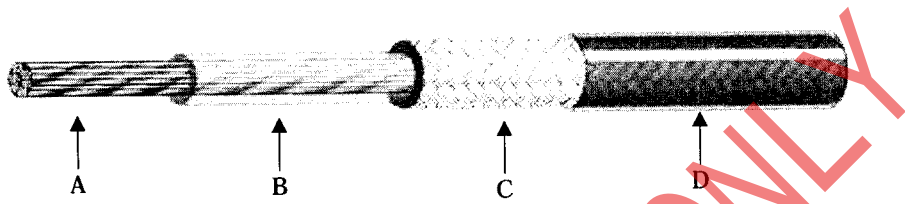
Q.C Manager SOON-MOK SHIN

PRODUCT SPECIFICATION	ISSUED DATE	July.12, 2000	PAGE	2/2
	REVISION		REVISION NO.	

1. APPLICATIONS

This specification is applies to Coaxial Cable manufactured by the YOUNG CHANG SILICONE CO.,LTD

2. STRUCTURE



- A. Conductor: SCCS
- B. Insulation : PFA
- C. Shield : Silver-Plated Copper
- D. Jacket : FEP

3. DIMENSION

Conductor (SCCS)			Insulation		Shield		Jacket	
Structure	Cross sectional area	Diameter	Material	Diameter	Material	Diameter	Material	Diameter
Q'ty/mmφ	mm ² (SQ)	mmφ		mmφ		mmφ		mmφ
7/0.102	0.06	0.30	PFA	0.84±0.05	SPC	1.25	FEP	1.80±0.10

4. ELECTRIC PROPERTIES

Impedance	Capacitance	Maximum Attenuation (dB/100ft)				Dielectric Sterngth
		100Mhz	400Mhz	1Ghz	3Ghz	
ohms	pF/ft(Max)					V/1min
50 ± 2	32	16.0	33.0	52.0	94.0	2000



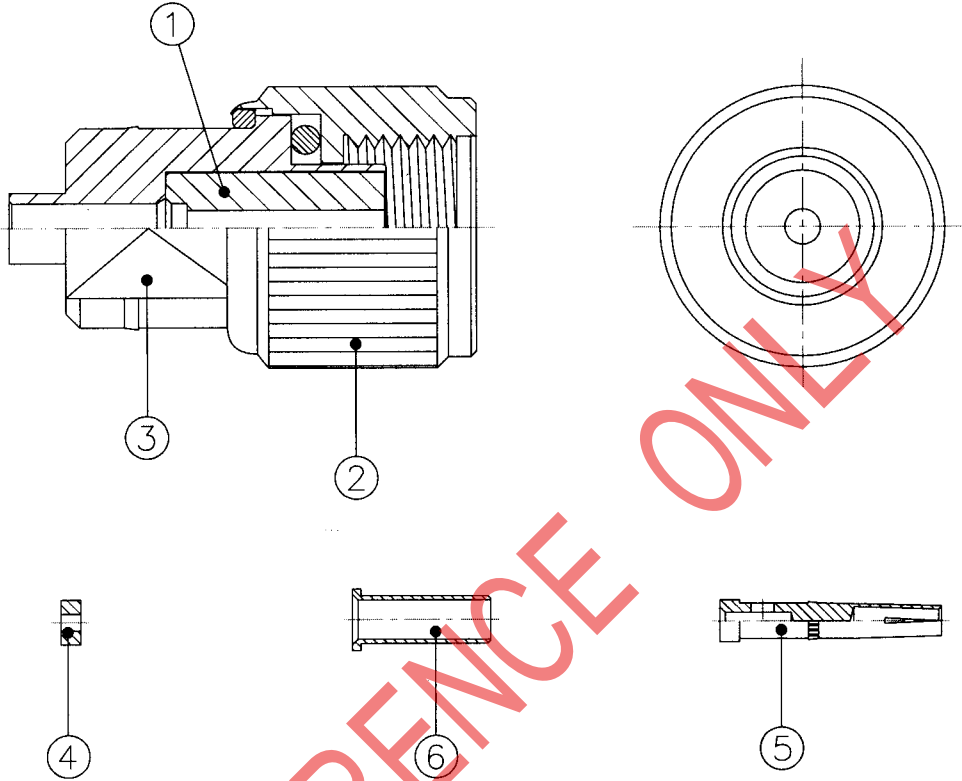
華裕實業股份有限公司

WHA YU INDUSTRIAL CO., LTD

Connector 材質證明書

華裕料號 Whyu P/N	100-2001150-AZ	產品名稱 Product Name	SMA Plug Reverse Straight For RG-178
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結構圖面



材質成份








表面處理

Part No.	Part Name	Material	Material Composition	Surface Treatment
1	絕緣體	Teflon	PTFE	N/A
2	外殼	Brass	Cu Pb Fe Fe+Sn Zn	電著
3	本體	Brass	Cu Pb Fe Fe+Sn Zn	鍍鎳
4	絕緣體	Teflon	PTFE	N/A
5	中心針	Phos. Bronze	Cu Sn P Zn Pb	鍍金
6	尾管	Brass	Cu Pb Fe Fe+Sn Zn	鍍鎳

Remark :



REFERENCE ONLY

Item	ALPHA P/N	原廠型號	品名(Description)	VENDOR CODE	原廠商	代理商	NO.	分離之均勻材質 (Homogeneous Material) Sub-parts	分離之均勻材質重量	零件重量 (mg)	物質宣告書 (Material Declaration)	ICP測定數據 mg/kg-ppm						分析報告號碼及(實驗室名稱)	第三公證單位化學分析報告 Attached test report
												鉛(Pb)	鎘(Cd)	汞(Hg)	六價鉻 (Cr+6)	PBB	PBDE		
1	C037-510695-A	RF Antenna Assembly	WHAYU	1-1	Cable	540.	11500	ND	ND	ND	ND	ND	ND	F690501/LF-CTS500034(SGS)					
								ND	ND	ND	ND	ND	ND	F690501/LF-CTS500035(SGS)					
								ND	ND	ND	ND	ND	6.1	F690501/LF-CTSGP06-0418(SGS)					
								ND	ND	ND	ND	ND	ND	F690501/LF-CTSGP05-5552(SGS)					
								ND	ND	ND	ND	ND	ND	CE/2005/45290A(SGS)					
								ND	ND	ND	ND	ND	ND	CE/2005/71420(SGS)					
								ND	ND	ND	ND	ND	ND	GZSCR050827860(SGS)					
								ND	ND	ND	ND	ND	ND	GZSCR05060707862/LP(SGS)					
								ND	ND	ND	ND	ND	ND	GZSCR050827860(SGS)					
								30,996.7	70.2	ND	ND	ND	ND	CE/2006/39133(SGS)					
								ND	ND	ND	ND	ND	ND	SH570049/CHEM(SGS)					
								31,000.	19.	ND	ND	ND	ND	GZML060201325(SGS)					
								ND	ND	ND	ND	ND	ND	GZ0602014138/CHEM(SGS)					
								ND	ND	ND	ND	ND	ND	KA/2006/20922A-01(SGS)					
ND	ND	ND	ND	ND	ND	KA/2006/20923A-01(SGS)													
34,463.3	42.	ND	ND	ND	ND	CE/2005/96120(SGS)													
ND	ND	ND	ND	ND	ND	CE/2005/96111(SGS)													

POWER B.O.M LIST FOR ROHS TEST REPORTS

物質成份調查表

ITEM	品名(Description)	廠商名稱	符合RoHS原廠型號	NO.	分離之均勻材質	零件單重(mg)	分離之均勻材質單重(mg)	物質宣告書	ICP測定數據mg/kg=ppm						MTBF (h)	耐溫條件(溫度/時間)	分析報告號碼(實驗室名稱)	第三公證單位化學分析測試報告			
									鉛(Pb)	鎘(Cd)	汞(Hg)	六價鉻(Cr+6)	PBB	PBDE							
1	RF Antenna Assembly	C037-510695-A		1-1	Cable		540.		ND	ND	ND	ND	ND	ND			F690501/LF-CTS500034(SGS)				
									ND	ND	ND	ND	ND	ND			F690501/LF-CTS500035(SGS)				
												ND	ND	ND	ND	ND	6.1			F690501/LF-CTSGP06-0418(SGS)	
												ND	ND	ND	ND	ND	ND			F690501/LF-CTSGP05-5552(SGS)	
				1-2	Antenna Body		3,200.	ND	ND	ND	ND	ND	ND	ND	ND			CE/2005/45290A(SGS)			
				1-3	Antenna Base							ND	ND	ND	ND	ND	ND			CE/2005/71420(SGS)	
												ND	ND	ND	ND	ND	ND			GZSCR050827860(SGS)	
				1-4	Antenna Base					11500		ND	ND	ND	ND	ND	ND			GZSCR05060707862/LP(SGS)	
												ND	ND	ND	ND	ND	ND			GZSCR050827860(SGS)	
				1-5	Rivet							30,996.7	70.2	ND	ND	ND	ND			CE/2006/39133(SGS)	RoHS排外條款(銅合金)
												ND	ND	ND	ND	ND	ND			SH570049/CHEM(SGS)	
				1-6	Connector							31,000.	19.	ND	ND	ND	ND			GZML060201325(SGS)	RoHS排外條款(銅合金)
												ND	ND	ND	ND	ND	ND			GZ0602014138/CHEM(SGS)	
												ND	ND	ND	ND	ND	ND			KA/2006/20922A-01(SGS)	
ND	ND	ND	ND									ND	ND			KA/2006/20923A-01(SGS)					
1-7	Ground Tube							34,463.3	42.	ND	ND	ND	ND			CE/2005/96120(SGS)	RoHS排外條款(銅合金)				
								ND	ND	ND	ND	ND	ND			CE/2005/96111(SGS)					

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REFERENCE ONLY