



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: 中磊科技股份有限公司

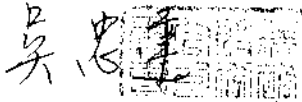
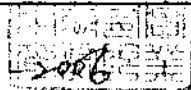
PART NAME: RF Antenna Cable Assembly

PART NO.: 61721004WY

REVISION:

W. Y. P/NO.: C147-510282-A

REV.: X3

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
APPROVED BY :		
DATE :	12/13 	

WHA YU GROUP

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

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RF Antenna Assembly

Specification

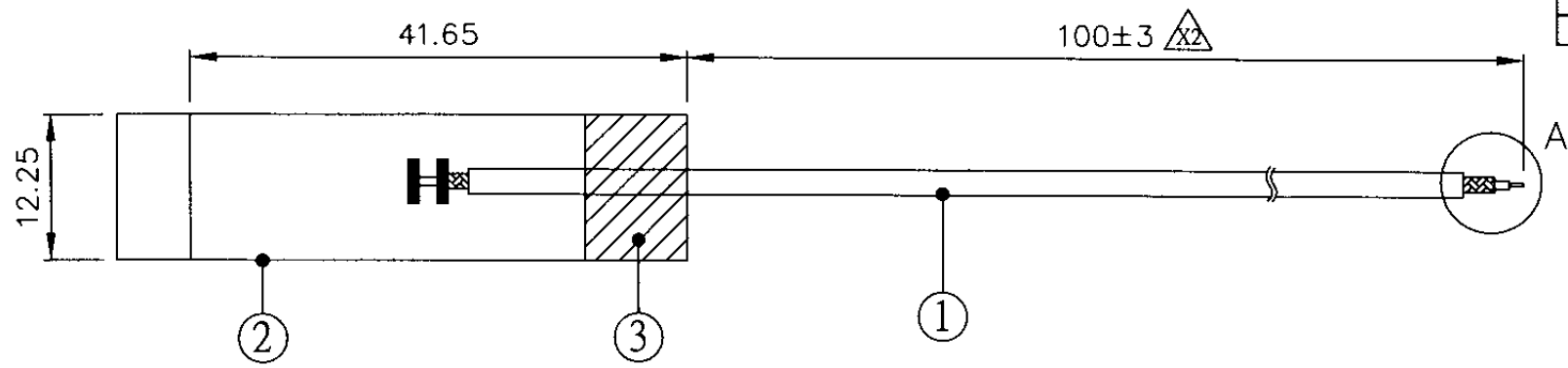
1. Electrical Properties :

- 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(PCB Antenna)
- 1.6 Gain(peak)..... 1.8 dBi
- 1.7 Polarization..... Linear Vertical
- 1.8 Admitted Power..... 1W

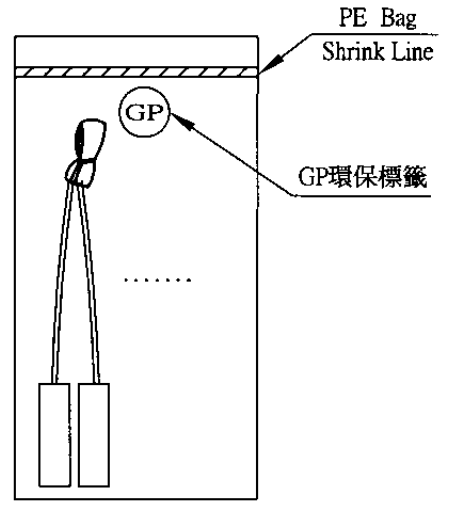
2. Physical Properties :

- 2.1 Cable..... φ1.13 Coaxial Cable Gray
- 2.2 Operating Temp. -20 ~ +65
- 2.3 Storage Temp. -30 ~ +75
- 2.4 Antenna Body..... FR4 41.65mm*12.25mm*0.8mm

REV	DATE	DESCRIPTION
X1	7/31-2006	New Issue
X2	9/14-2006	Modify length
X3	12/12-2006	Add part no



Detail A



NO	DESCRIPTION	QTY	REMARK
4	雙面膠 Hi Bon 41.65*12.25mm t=0.35mm	1	
3	Kapton 23*10mm t=0.06mm	1	
2	PCB FR4 41.65*12.25mm t=0.8mm	1	
1	Coaxial cable ϕ 1.13 Coaxial Cable	1	

CUSTOMER'S SIGNATURE	XX	±5	APPROVED	CUSTOMER: 中磊	
	X	±3.0	CHECKED 林吉升		PART NO : 61721004WY
	.X	±1.0			PARTNAME: RF Cable Assembly
	.XX	±0.5	DRAWING		W.Y P/NO : C147-510282-A
	.XXX	±0.1			REV UNIT FILE : X3 m/m SHEET : 1/1

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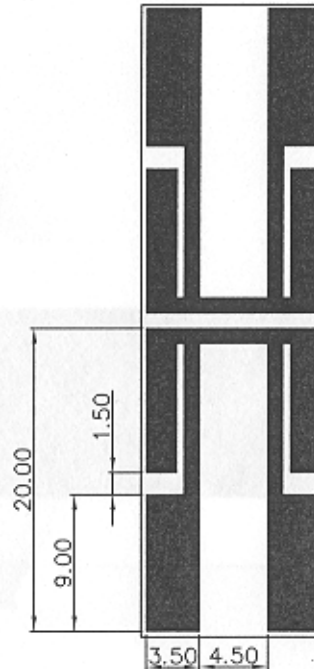
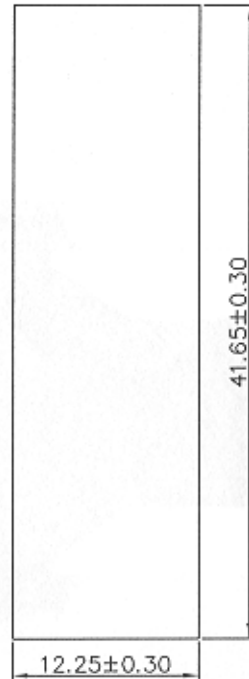
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CF-495

REV	DATE	DESCRIPTION
A	12/28-2006	New Issue

Bottom Layer

Top Layer



參考文件
不予列管

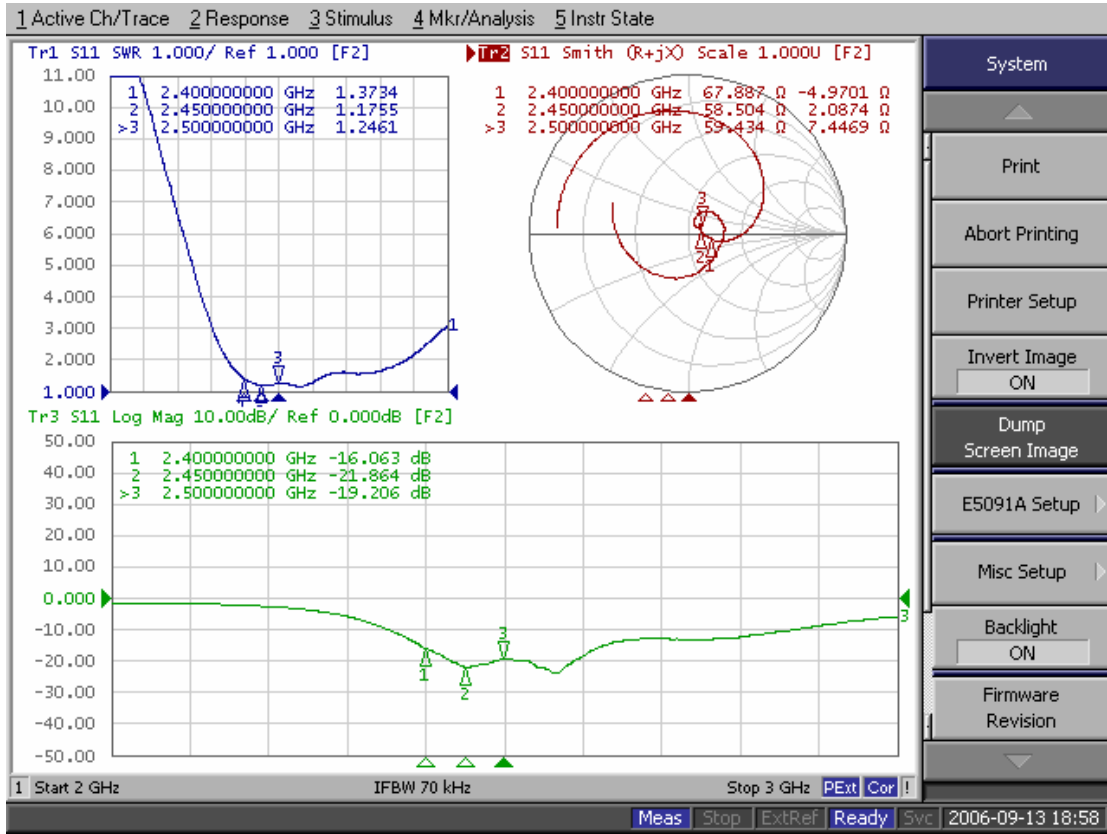
- Note :
- 1.PCB基板厚度: 0.73 - 0.03 mm ^{+0.05}
 - 2.銅箔使用量: 1盎司
 - 3.鍍金層: 1μ
 - 4.內部銅箔Layout公差: ±0.1mm
 - 5.材質: 南亞FR4單面板 NP-150R板材
 - 6.Hatch部份為電路
 - 7.其它尺寸請參照底片

I		PCB		FR4(T=0.73mm)		1		100-4008116-AZ		N/A	
NO		DESCRIPTION		MATERIAL		QTY		P/N		REMARK	
		VENDER									
		PART NO									
		PART NAME		PCB Antenna							
		W.Y P/NO		100-4008116-AZ							
		REV	UNIT	SCALE	SIZE	SHEET	FILE NAME				
		A	mm	2/1	A 4	1 OF 1					

P/N	REMARK						
A	B	C	D	E	F	G	
			XXX. ±2.0	APPROVED			
			XX. ±1.0				
			X. ±0.5	CHECKED			
			.X ±0.2				
			.XX ±0.1	DRAWING			
			⊕	⚠			

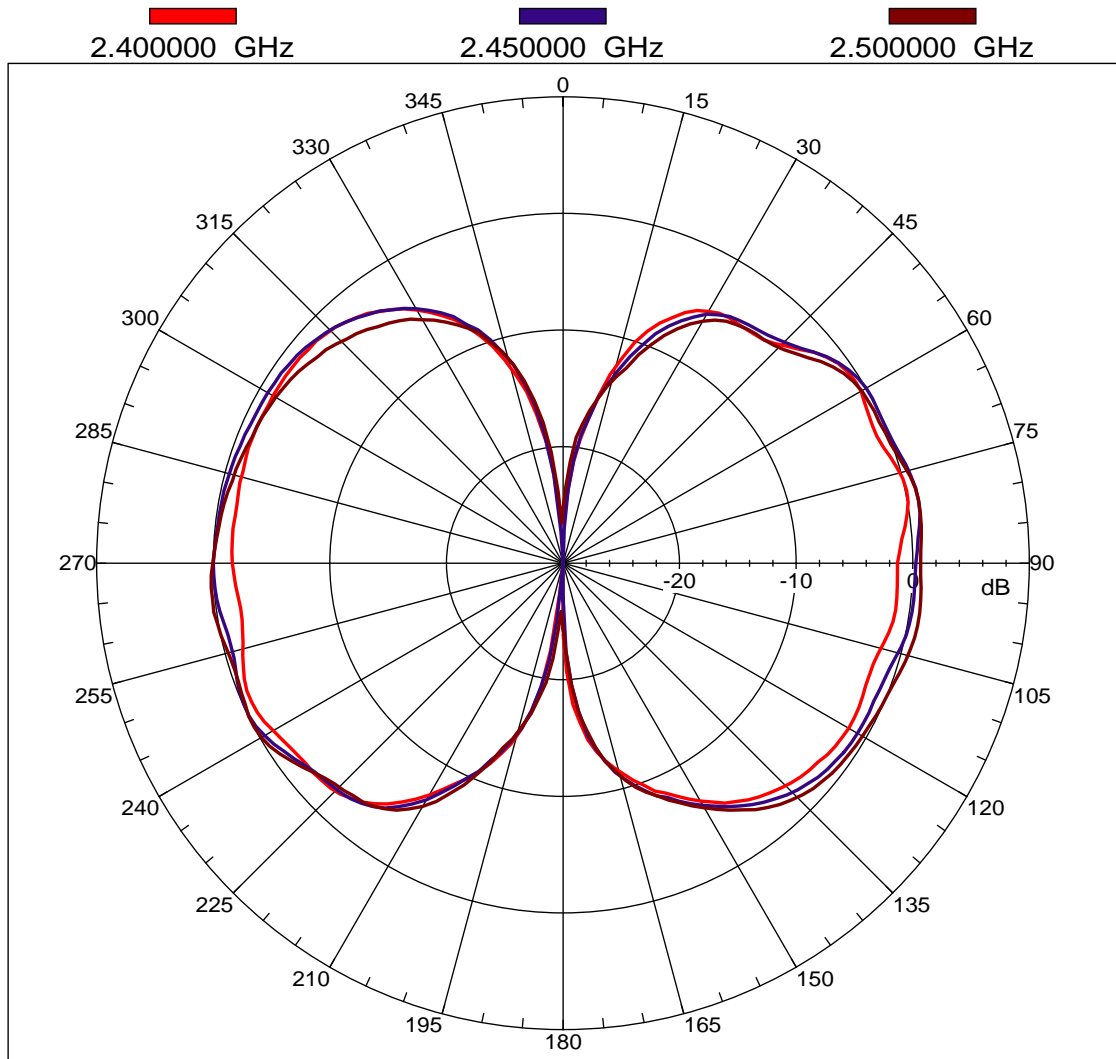
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RF Antenna Assembly
P/NO : C147-510282-A SPEC : 2.4~2.5GHz



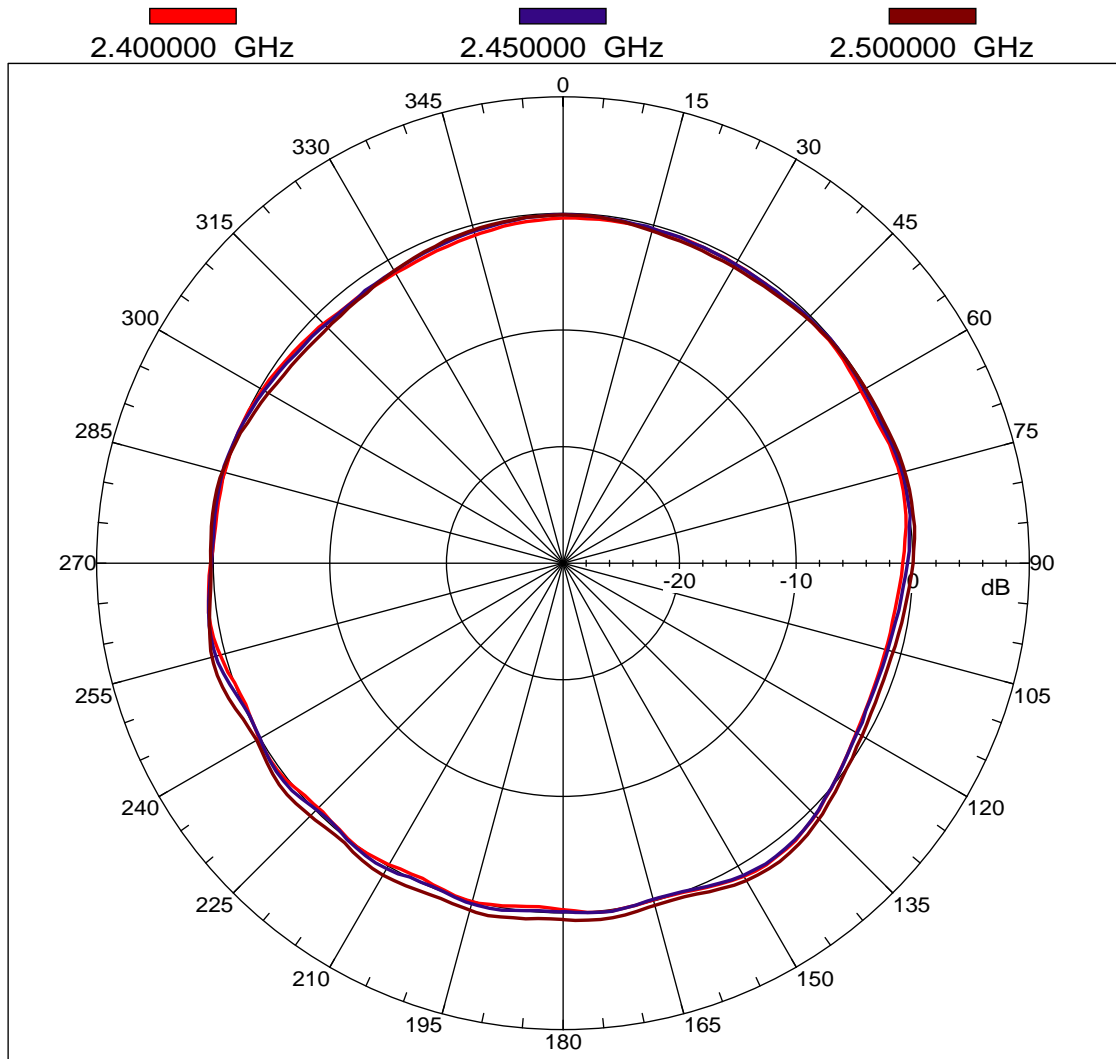
2006/9/14

Far-field amplitude of C147-510282-A-100-H.nsi



2006/9/14

Far-field amplitude of C147-510282-A-100-V.nsi



2006/9/14