



WHA YU INDUSTRIAL CO., LTD.(HEAD OFFICE)  
 DONGGUAN AEON TECH CO.,LTD.(CHINA)  
 SUZHOU AEON TECH CO.,LTD.(CHINA)  
 AEON TECH (SHANGHAI) CO.,LTD(CHINA)  
 DONGGUAN PARNER TECH CO.,LTD.(CHINA)



## SPECIFICATION FOR APPROVAL

**CUSTOMER:** 中磊電子股份有限公司

**PART NAME:** RF PIFA Antenna Assembly

**PART NO.:**

**REVISION:**

**W. Y. P/NO.:** C147-510815-A(SSR-12847)

**REV.:** X2

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
APPROVED BY :		
DATE :		

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# *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

# RF PIFA Antenna Assembly

## Specification

### 1. Electrical Properties (With Housing)

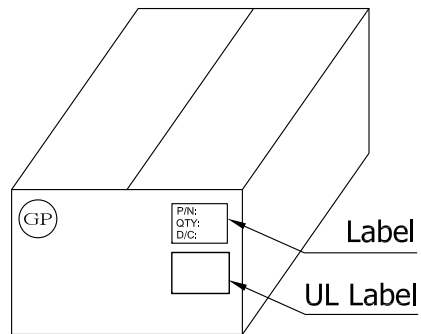
- 1.1 Frequency Range..... 2.4 ~2.5GHz
- 1.2 Impedance ..... 50Ω Nominal
- 1.3 VSWR ..... 1.92 : 1 Max.
- 1.4 Return Loss..... -10 dB Max.
- 1.5 Radiation ..... Omni-directional
- 1.6 Peak Gain..... 0.59dBi @2.4 ~2.5GHz
- 1.7 Cable Loss..... 0.12dB Max.
- 1.8 Polarization..... Linear
- 1.9 Admitted Power..... 1W
- 1.10 Cable..... Φ1.13Coaxial Cable ; Gray
- 1.11 Connector..... MHF Plug

### 2. Physical Properties :

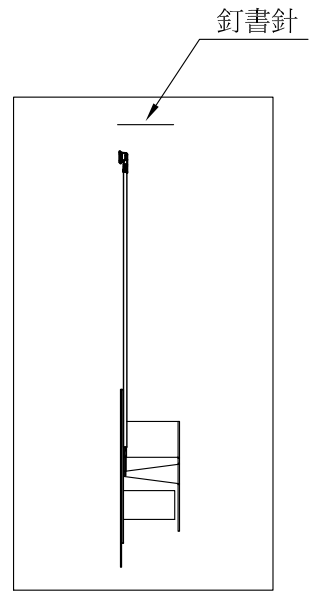
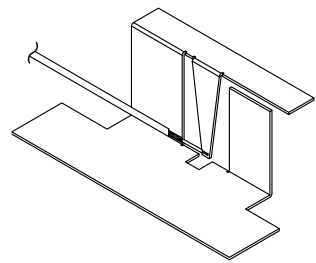
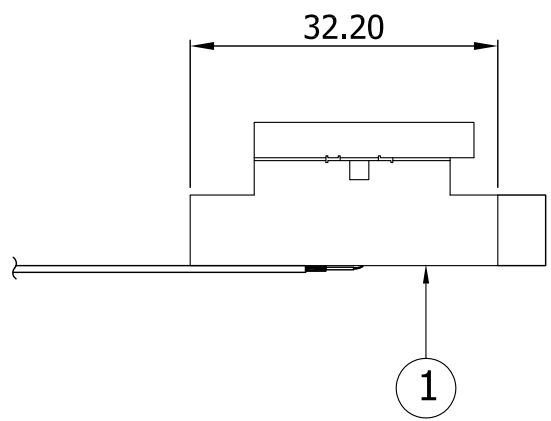
- 2.1 Operating Temp. .... -10°C ~ +60°C
- 2.2 Storage Temp. .... -10°C ~ +70°C

CG-

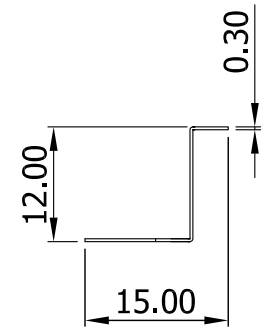
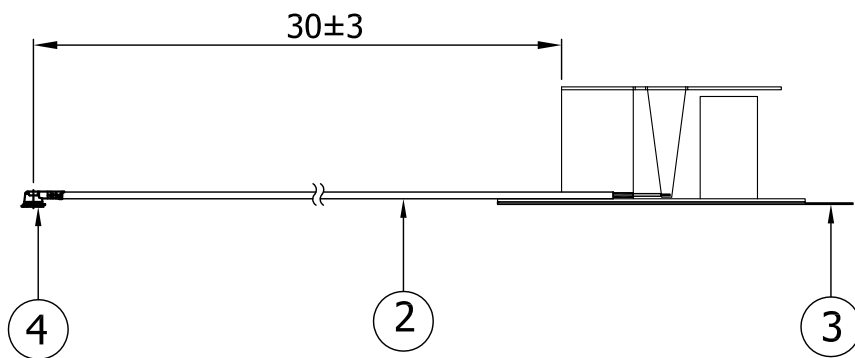
REV	DATE	DESCRIPTION
X1	6/8-2011	New Issue
X2	7/12-2011	Modify PIFA、線長



GP標籤貼於外箱兩邊側麥左上角共2PCS  
 標示Label貼於外箱兩邊側麥共2PCS  
 UL Label貼於外箱側麥共1PCS



Packing : 1 pcs/bag  
 (每5袋用釘書機訂起來)



NO	DESCRIPTION	Q'TY	REMARK
4	Connector	MHF Connector	1
3	雙面背膠	Sony G4000	1 32*7*0.15mm
2	Cable	φ1.13 Coaxial Cable ; Gray	1
1	PIFA	SUS 430 Nickel Plating	1

CUSTOMER'S SINGATURE

XX.	±5	APPROVED	周東生
X.	±3.0		2011.7.14
.X	±1.0	CHECKED	林泰宏
.XX	±0.5		2011.7.12
.XXX	±0.1	DRAWING	徐筱惠
			2011.7.12

CUSTOMER: 中磊		
PART NO :		
PARTNAME: PIFA Antenna		
W.Y P/NO : C147-510815-A		
REV	UNIT	FILE : SSR-12847
X2	m/m	SHEET : 1/1

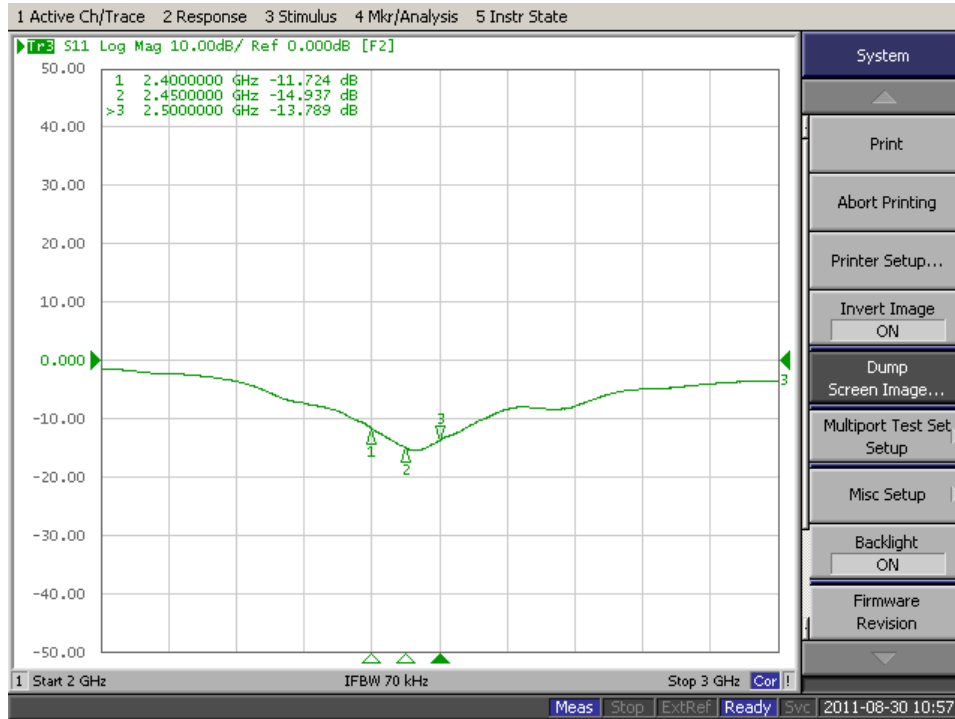
**M.gear** Wha Yu Group

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RF Antenna Assembly

P/NO : C147-510815-A(SSR-12847) SPEC : 2.4~2.5 GHz

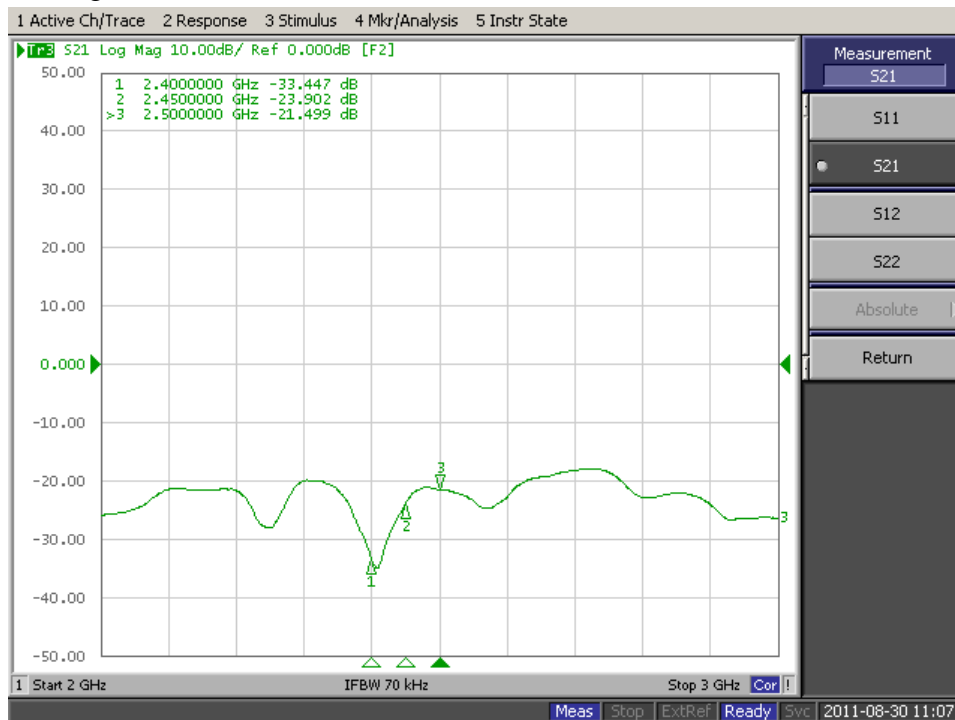
With housing



Isolation Test Results

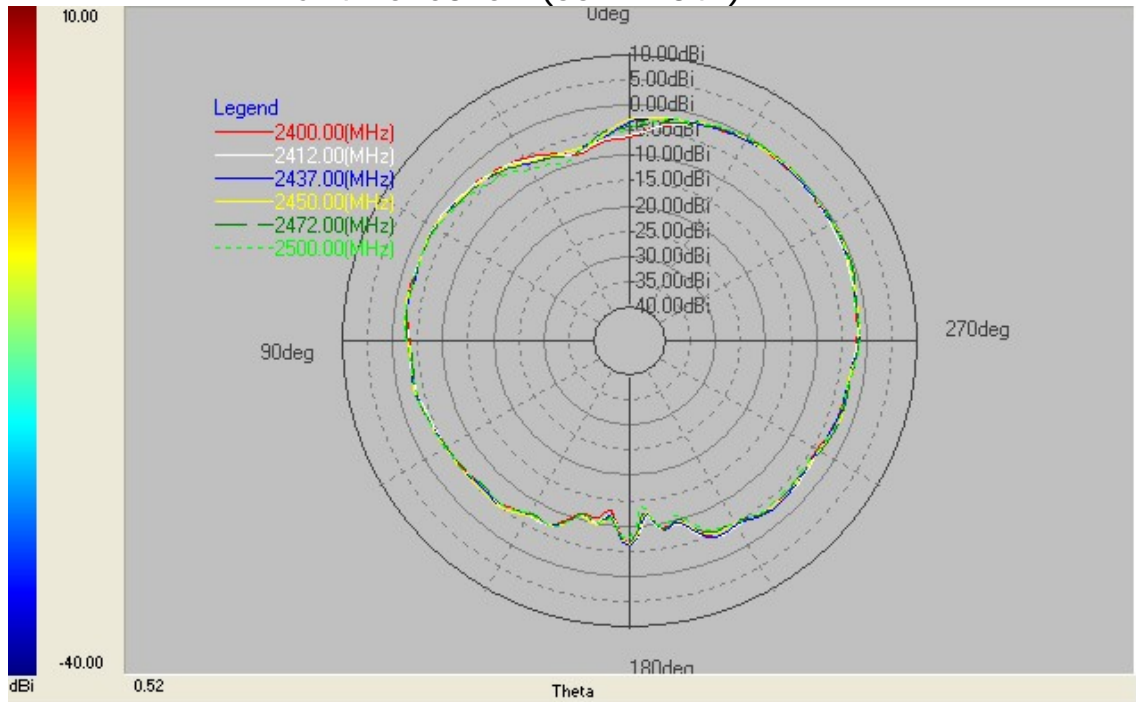
SPEC : 2.4~2.5 GHz

With housing



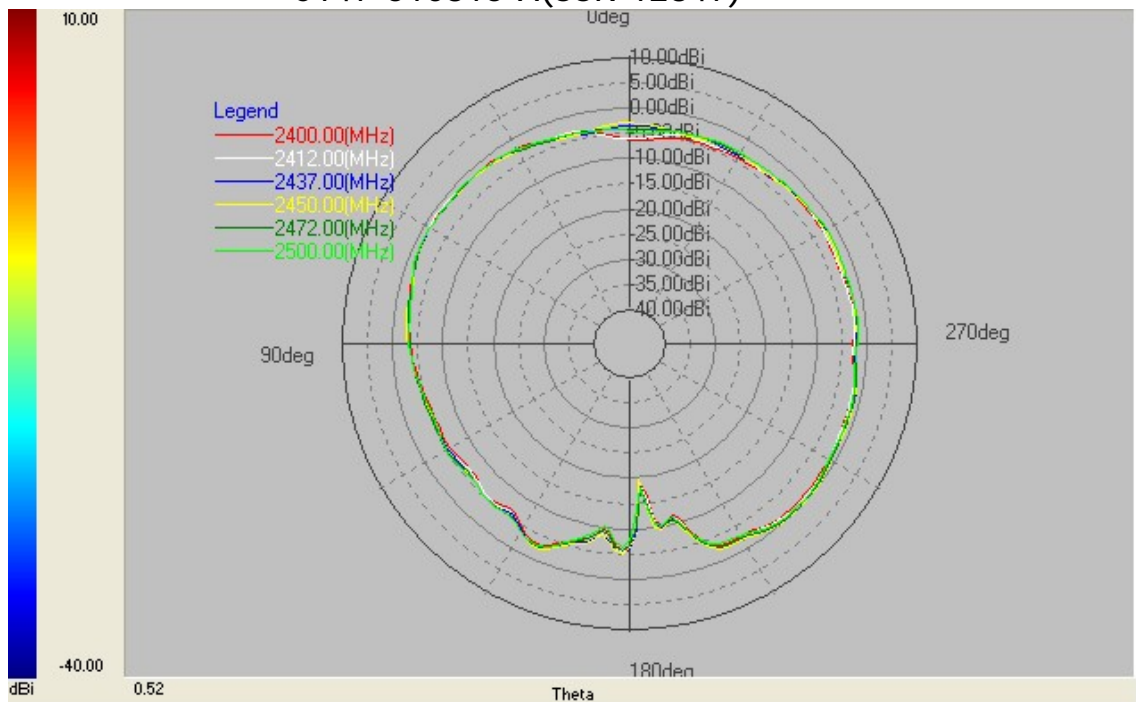
2007/08/13

C147-510815-A(SSR-12847)



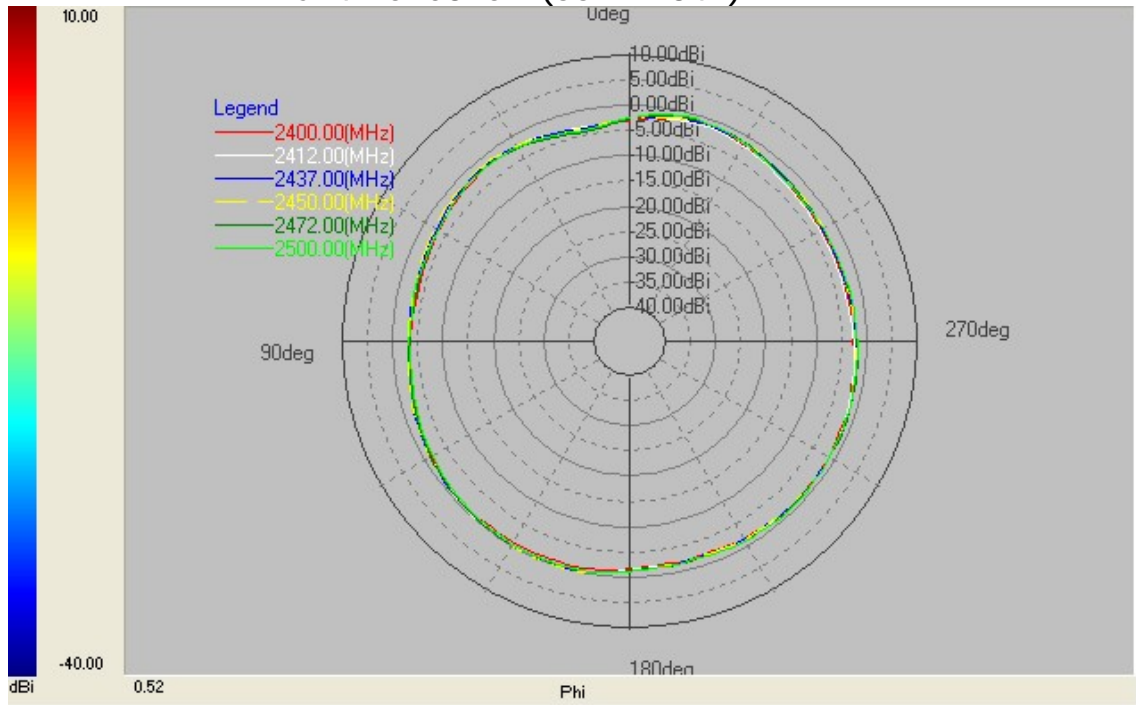
X-Z plane(Phi=0)

C147-510815-A(SSR-12847)



Y-Z plane(Phi=90)

C147-510815-A(SSR-12847)



X-Y plane(theta=90)