



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: 福億

PART NAME: RF Antenna Assembly

PART NO:

REVISION:

W. Y. P/NO: C916-510021-A(SRF2014994)

REV: X1

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
APPROVED BY :		
DATE :		

WHA YU GROUP

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

譚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: Hupan Industrial District, Tai Ling Shan Town, Dong Guan City, Guangdong, China

Tel: +86-769-85655858

Fax: +86-769-85655258

SUZHOU 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

AEON TECH (SHANGHAI) CO., LTD(CHINA)

普翔電子貿易(上海)有限公司

Address: Flat 501, 5F, Build 27, NO.68, Guiqing Road, Huhui District, Shanghai, China

Tel: +86-21-64959151

Fax: +86-21-64959059

DONGGUAN PARNER TECH CO., LTD.(CHINA)

東莞倍能電子有限公司

Address: Hupan Industrial District, Shida Road, Tai Ling Shan Town,

Dong Guan City, Guangdong, China

Tel: +86-769-81662366

Fax: +86-769-81602681

Contents

<i>Item</i>	<i>Description</i>	<i>Page</i>
1.	天線規格表	 1
2.	成品圖	 2
3.	電測報告	 3~5

RF Antenna Assembly

Specification

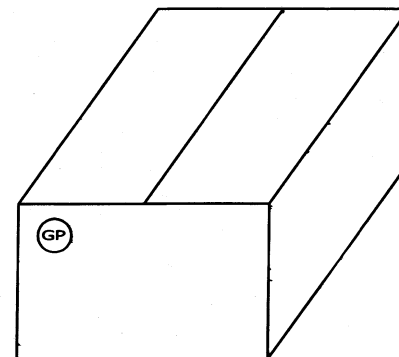
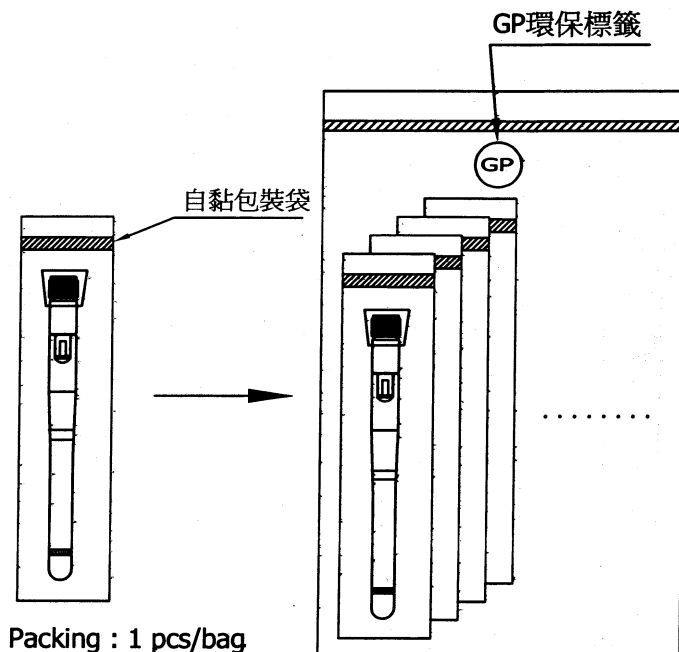
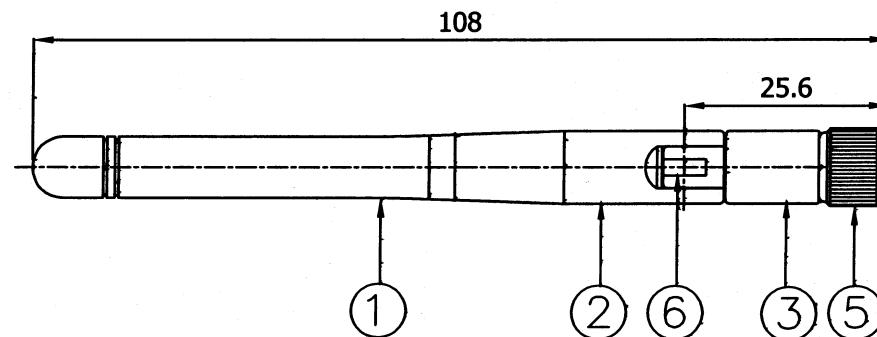
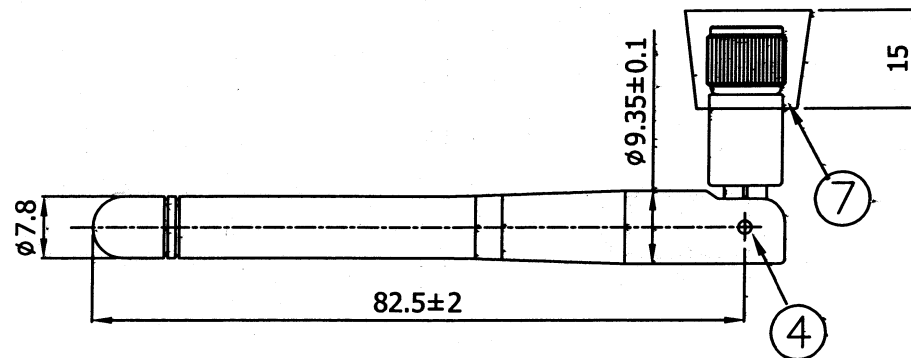
1. Electrical Properties :

- 1.1 Frequency Range.....2.4GHz ~ 2.5GHz ;4.9GHz~5.825GHz
- 1.2 Impedance50 Ω Nominal
- 1.3 VSWR 1.92 :1Max.
- 1.4 Return Loss..... -10 dB Max.
- 1.5 Radiation Omni-directional
- 1.6 Gain(peak)..... 2.0dBi
- 1.7 Polarization..... Linear; Vertical
- 1.8 Admitted Power.....1W
- 1.9 Cable.....RG-178 Coaxial Cable
- 1.10 Connector.....SMA Plug Reverse

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

REV	DATE	DESCRIPTION
X1	06/27-2014	New Issue



GP標籤貼於外箱兩邊側麥左上角

7	Cap	CD-115 ; 防護套;L=15mm	1	
6	Cable	RG-178 , Translucent Brown ; 50 Ω	1	
5	Connector	SMA Straight Plug/Reverse	1	
4	Rivet	POM , Black	2	
3	Antenna Base	PBT ; Color:Black	1	
2	Antenna Base	PC ; Color:Black	1	
1	Antenna Cover	TPE ; Color:Black	1	
NO	DESCRIPTION		QTY	REMARK

CUSTOMER'S SINGATURE	XX.	±5	APPROVED
	X.	±1.0	CHECKED
	.X	±0.1	
	.XX	±0.01	
	.XXX	±0.005	DRAWING

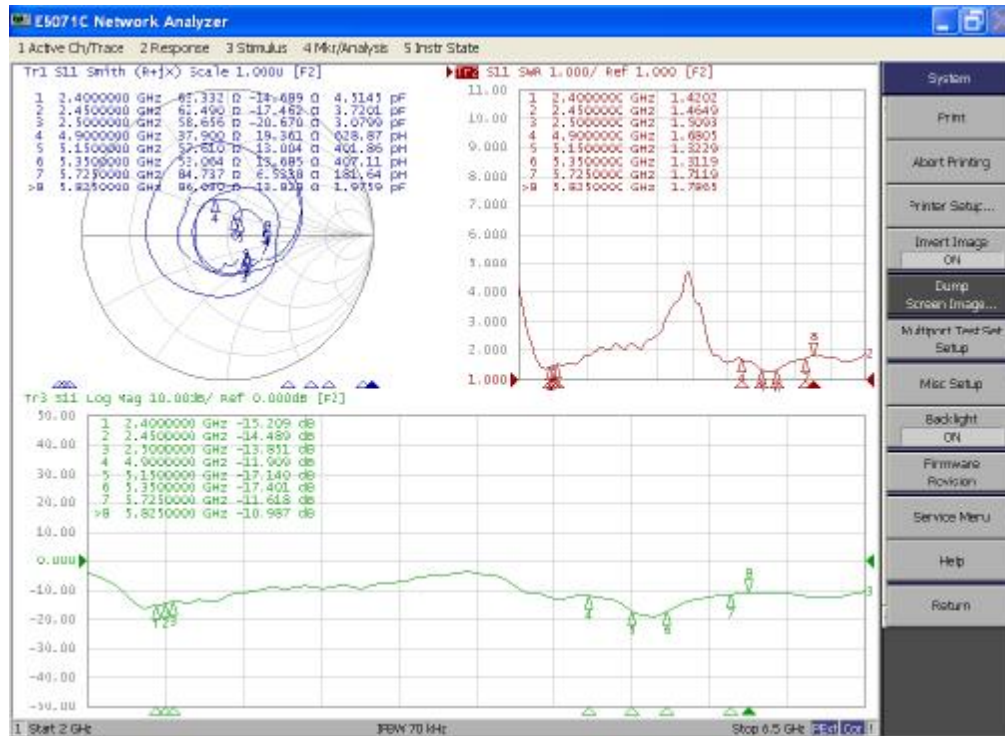
CUSTOMER: 福億		
PART NO :		
PARTNAME: RF Antenna Assembly		
W.Y P/NO : C916-510021-A		
REV	UNIT	FILE : SRF2014994
X1	m/m	SHEET : 1/1

M.gear Wha Yu Group

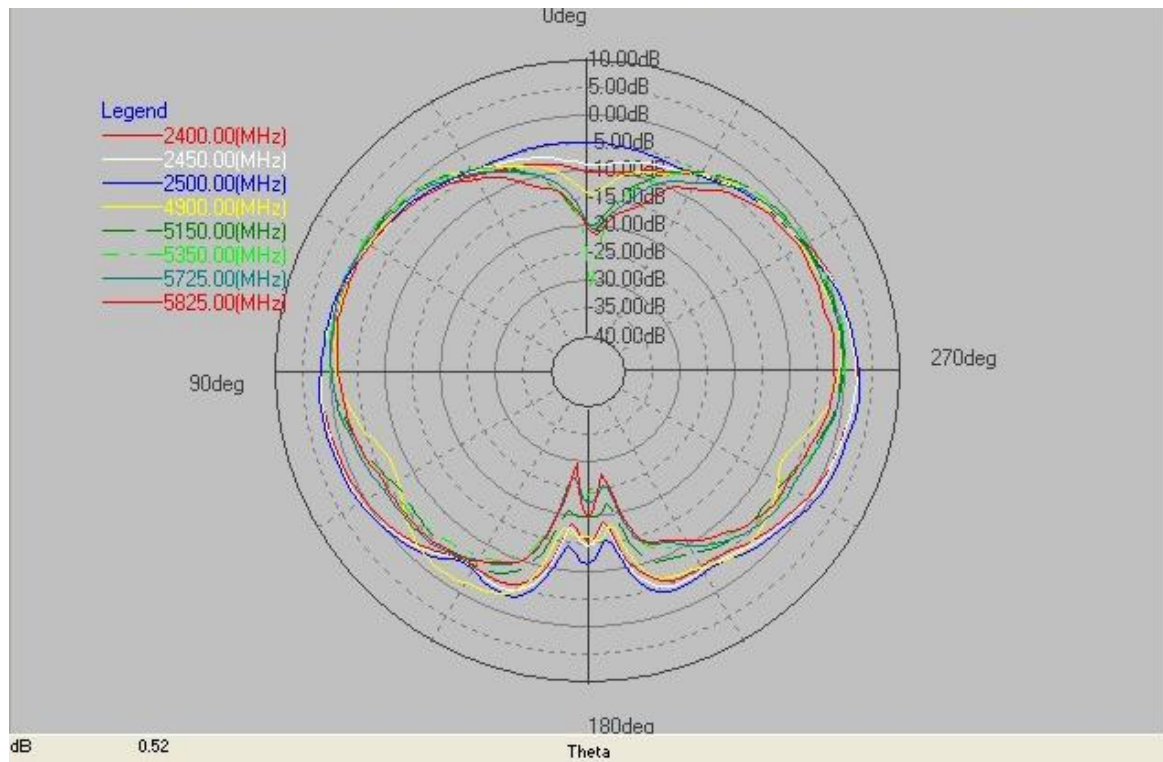
THIS DRAWING, AND IT'S INHERANT DESIGN CONCEPTS, ARE THE PROPERTY OF WHA YU AND AS SUCH MAY NOT BE COPIED, REPRODUCED, OR GIVEN TO THIRD PARTIES WITHOUT THE WRITTEN CONSENT OF WHA YU.

RF Antenna Assembly

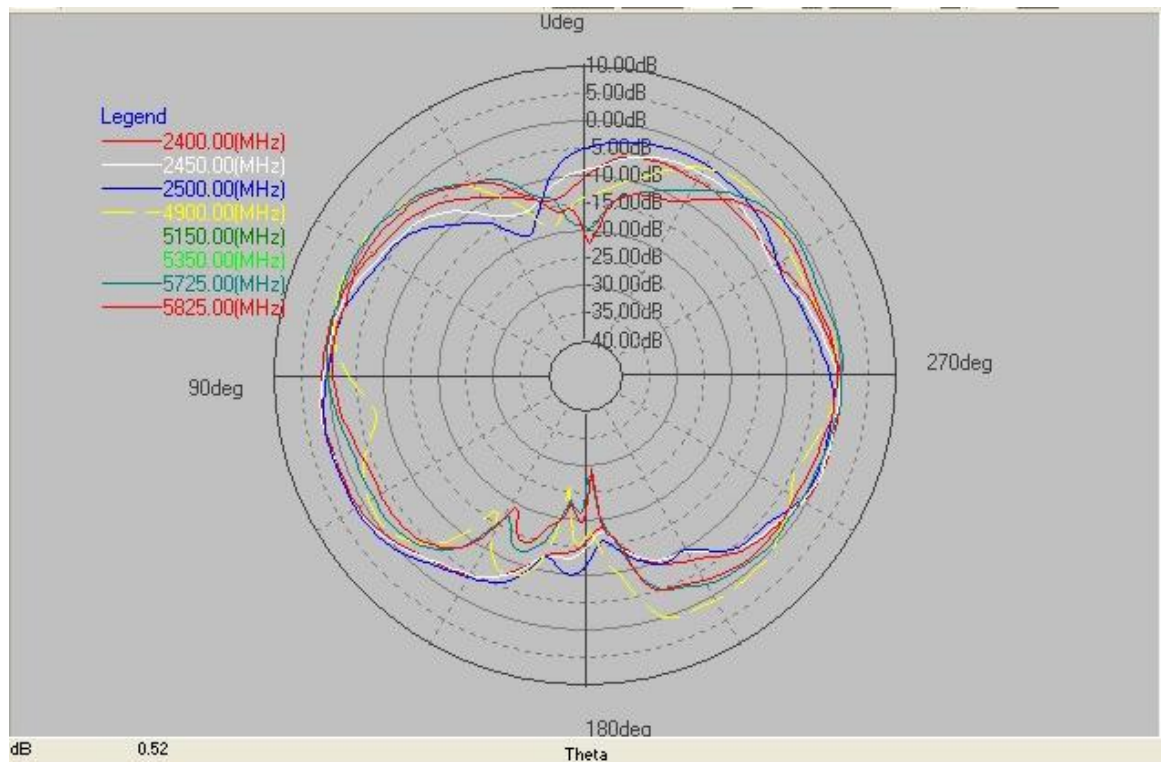
C916-510021-A(SRF2014994) SPEC : 2.4~2.5/4.9~5.825GHz



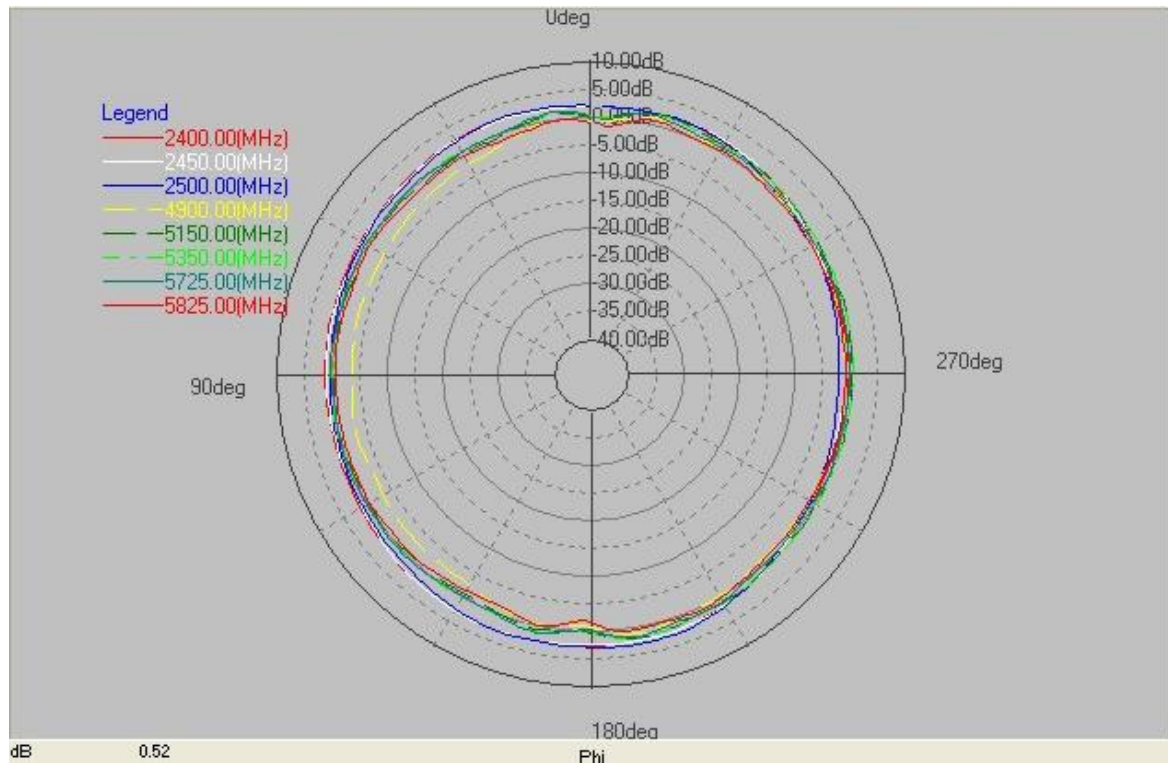
X-Z Plane (E-total)



Y-Z Plane (E-total)



X-Y Plane (E-total)



Peak Gain

	Gain (dBi)	Efficiency (%)
2.40GHz	1.98	79.83
2.45GHz	2.00	79.79
2.50GHz	2.35	80.19
4.90GHz	1.72	67.33
5.15GHz	2.23	72.44
5.35GHz	2.17	73.05
5.725GHz	1.68	70.14
5.825GHz	1.01	69.98