



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 :		

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# RF Antenna Assembly

## Specification

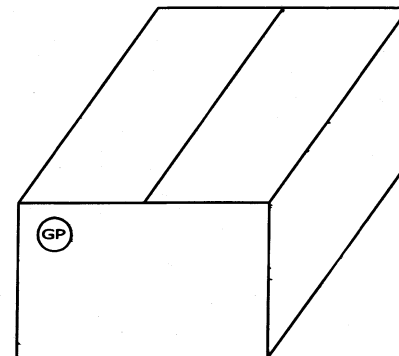
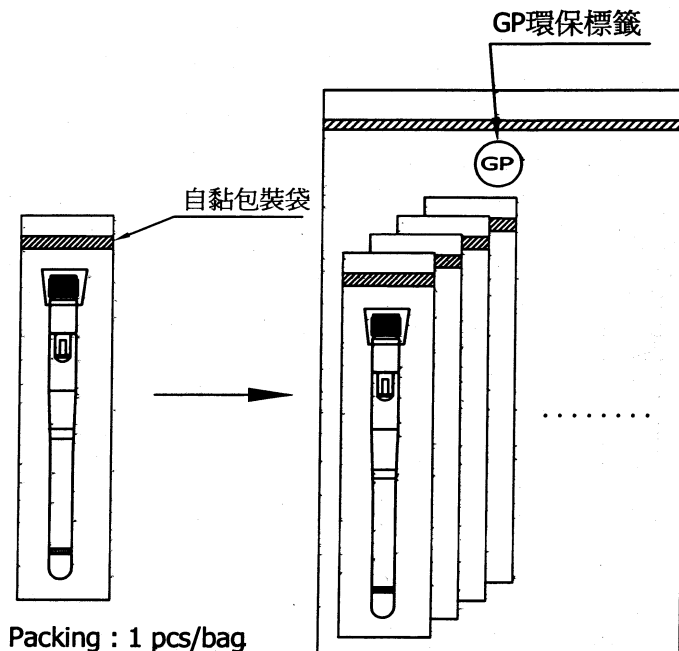
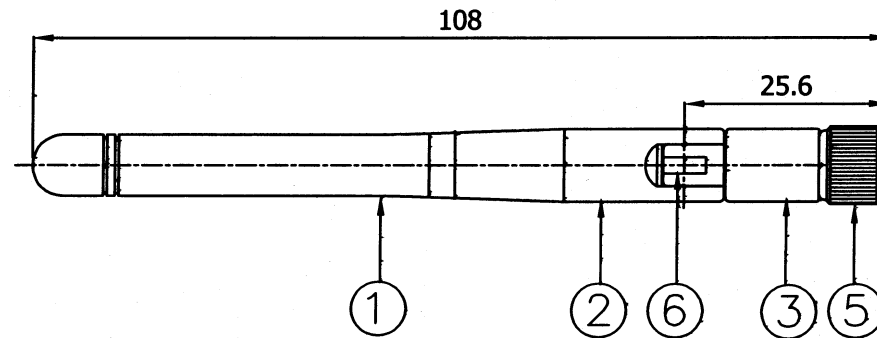
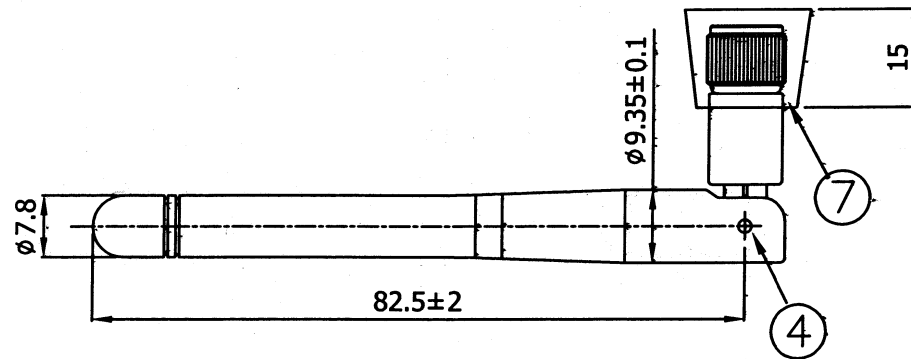
### 1. Electrical Properties :

- 1.1 Frequency Range.....2.4GHz ~ 2.5GHz ;4.9GHz~5.825GHz
- 1.2 Impedance .....50 $\Omega$  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

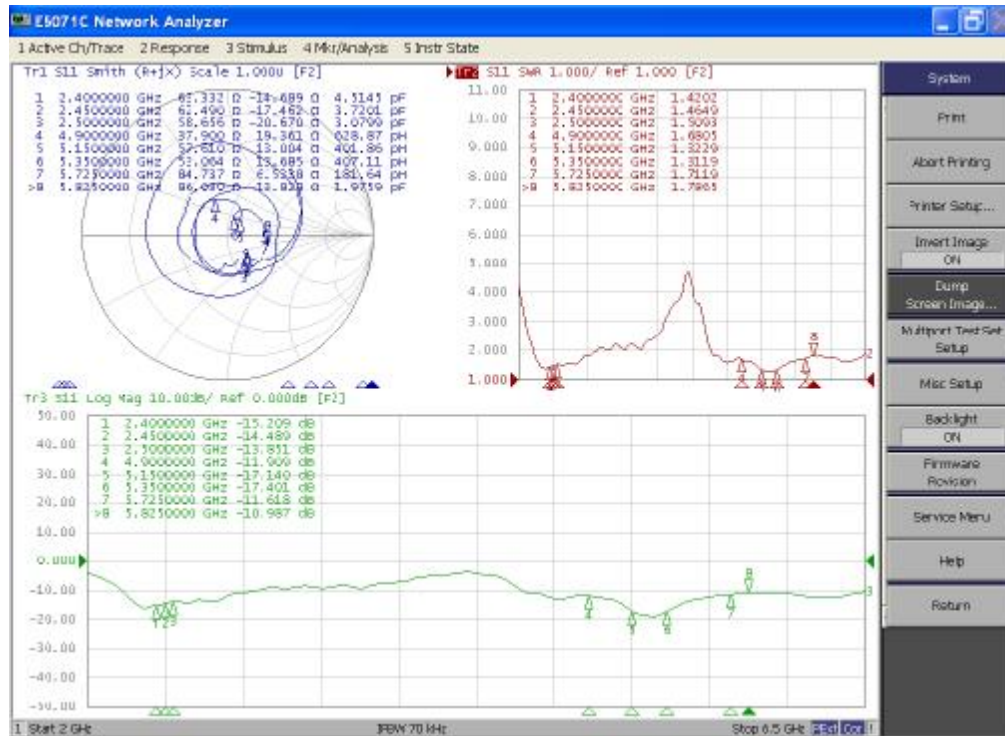
CUSTOMER: 福億		
PART NO :		
PARTNAME: RF Antenna Assembly		
W.Y P/NO : C916-510021-A		
REV	UNIT	FILE : SRF2014994
X1	m/m	SHEET : 1/1

**M.gear** Wha Yu Group

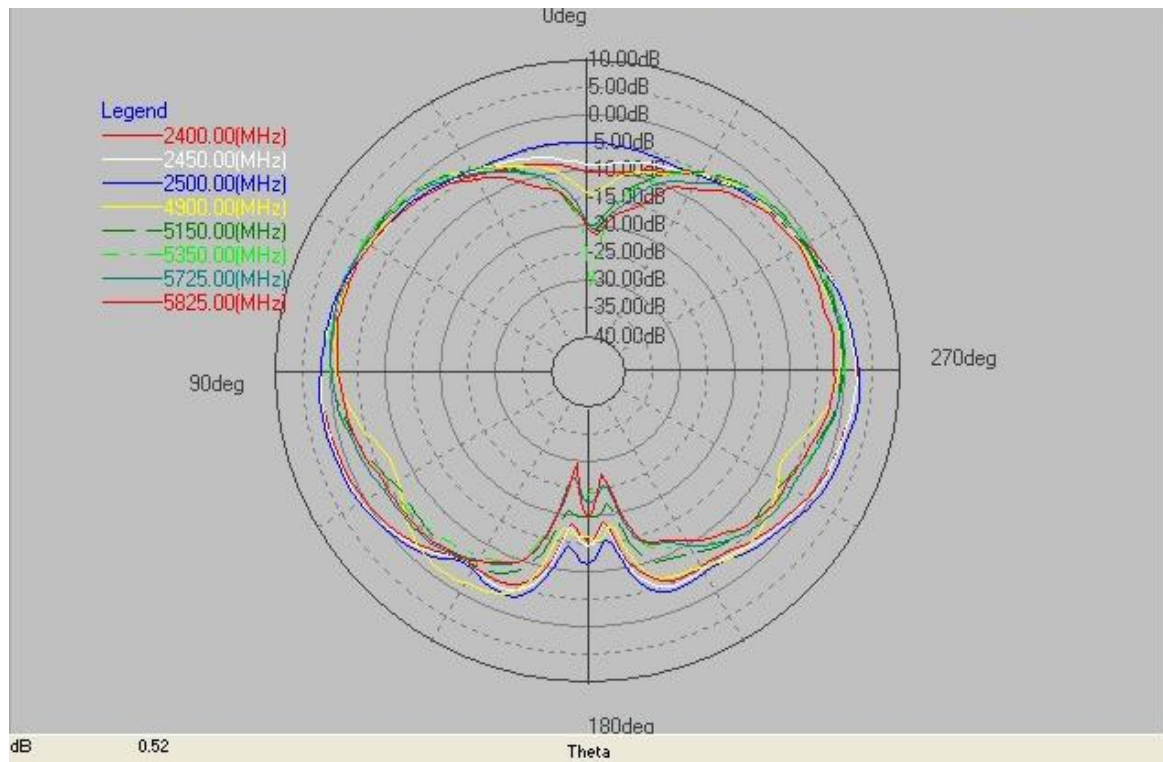
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## RF Antenna Assembly

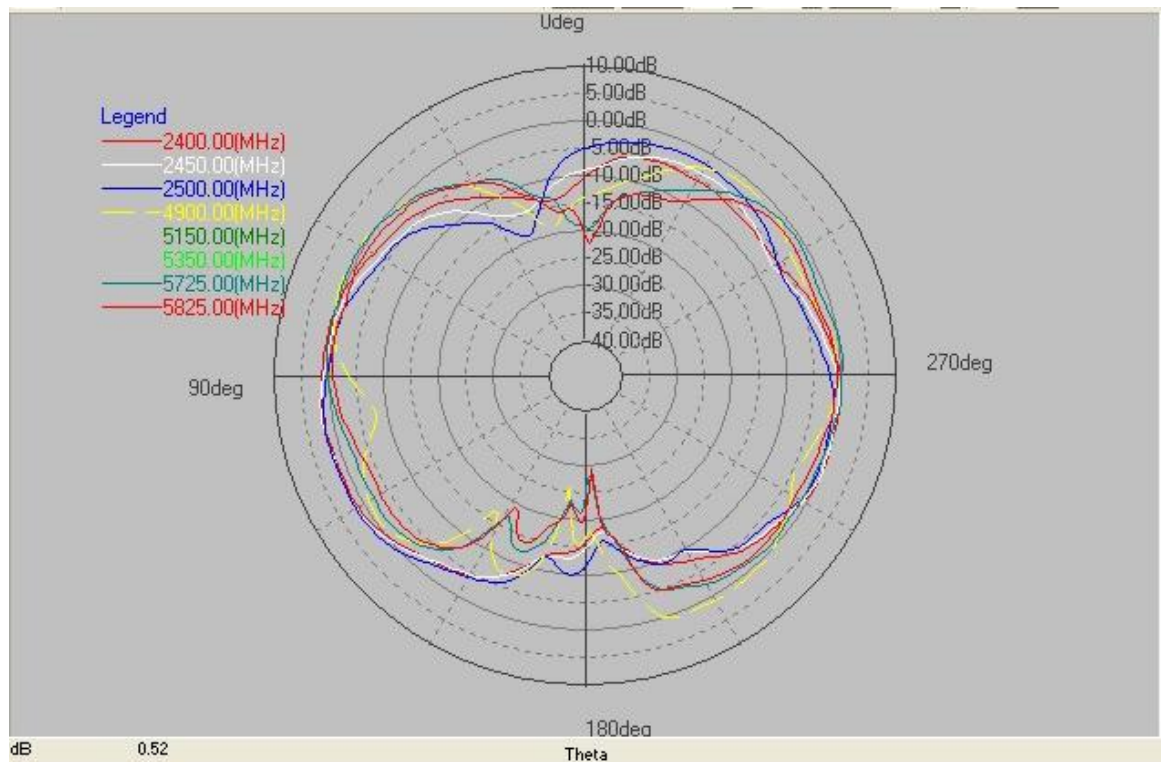
C916-510021-A(SRF2014994) SPEC : 2.4~2.5/4.9~5.825GHz



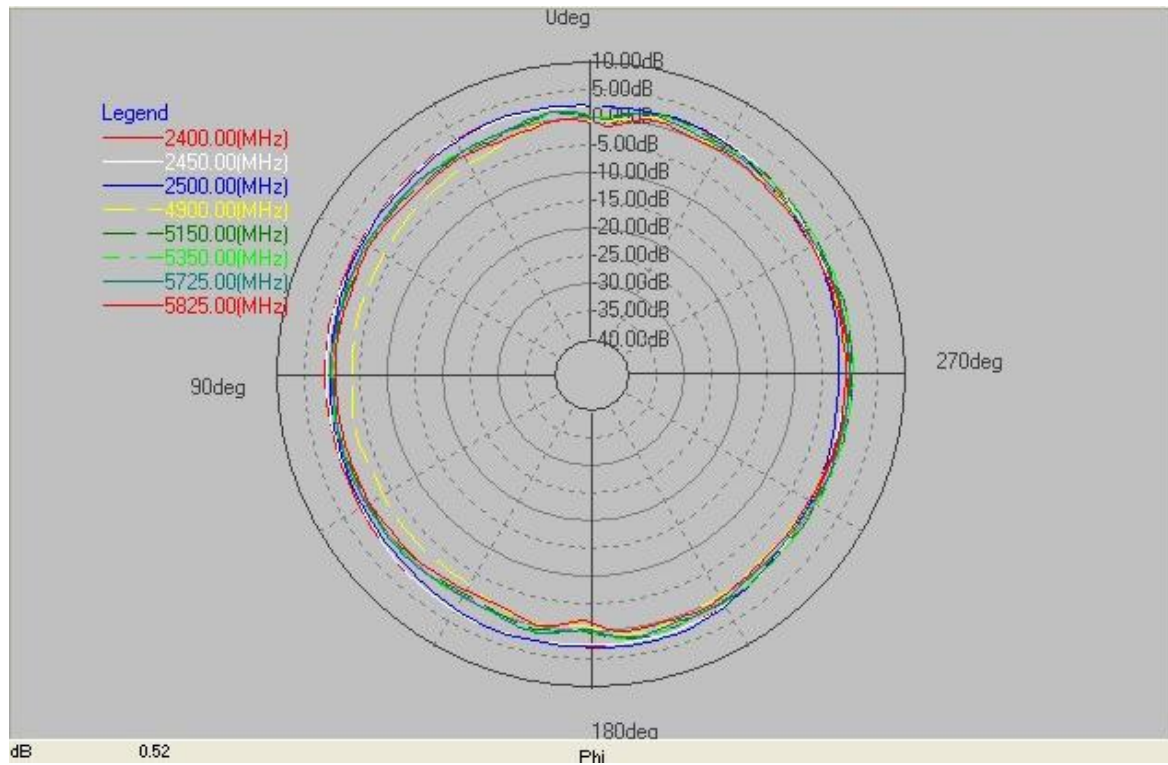
**X-Z Plane (E-total)**



**Y-Z Plane (E-total)**



**X-Y Plane (E-total)**



**Peak Gain**

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