



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: 正文科技股份有限公司

PART NAME: RF Antenna Cable Assembly

PART NO.:

REVISION:

W. Y. P/NO.: C210-510391-A

REV.: X2

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
APPROVED BY :	Winston 	
DATE :	02/03/14 	

WHA YU GROUP

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RF Antenna Cable Assembly

Specification

1. Electrical Properties :

- 1.1 Frequency Range..... 4.9GHz ~ 5.825GHz
- 1.2 Impedance 50 Ω Nominal
- 1.3 VSWR 1.92 Max.
- 1.4 Return Loss..... -10 dB Maximum
- 1.5 Radiation Directional
- 1.6 Gain(peak)..... 5GHz 3.9dBi (including Cable loss)

- 1.7 Cable Loss..... 5G : 0.85dB

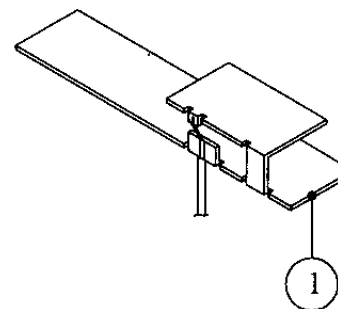
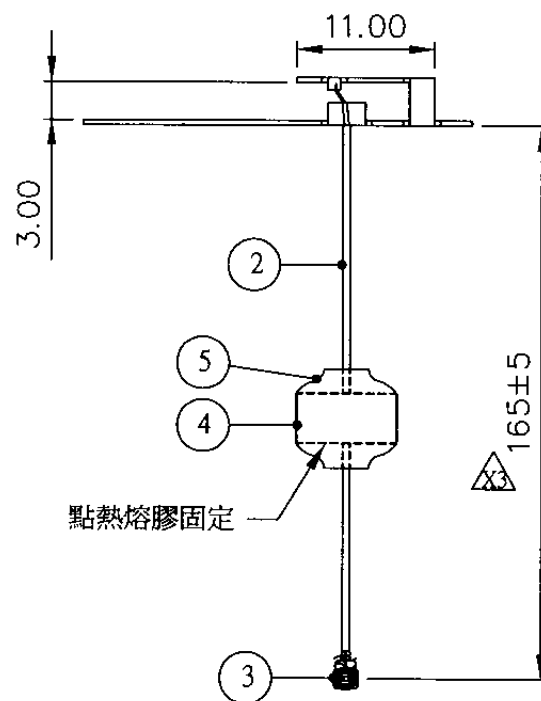
- 1.8 Polarization..... Linear Vertical
- 1.9 Admitted Power..... 1W

2. Physical Properties :

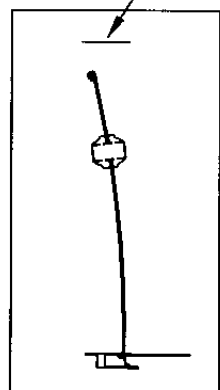
- 2.1 Cable..... ϕ 1.32 Coaxial Cable
- 2.2 Operating Temp. -20°C ~ +65°C
- 2.3 Storage Temp. -30°C ~ +75°C
- 2.4 PIFA..... Copper
- 2.5 Connector..... HRS Connector

CG-

REV	DATE	DESCRIPTION
X1	11/21-2006	New Issue
X2	12/14-2006	Add core,modify length
X3	1/4-2007	modify cable&PIFA
X4	4/4-2007	modify H.S Tube color



釘書針



Packing : 1 pcs/bag
(每10袋用釘書機訂起來)

NO	DESCRIPTION	QTY	REMARK
5	H.S Tube	Heat Shrink Tube ; Blue	1
4	Core	K5B 8*4*4mm	1
3	Connector	HRS Connector	1
2	Cable	ø1.32 Coaxial Cable ; Black	1
1	PIFA	Copper	1

CUSTOMER'S SIGNATURE

XX.	±5	APPROVED
X.	±3.0	CHECKED
.X	±1.0	DRAWING
.XX	±0.5	
.XXX	±0.1	

CUSTOMER: 正文

PART NO :

PARTNAME: PIFA Antenna

W.Y P/NO : C210-510391-A

REV UNIT FILE :

X4 m/m SHEET : 1/1

M.gear Wha Yu Group

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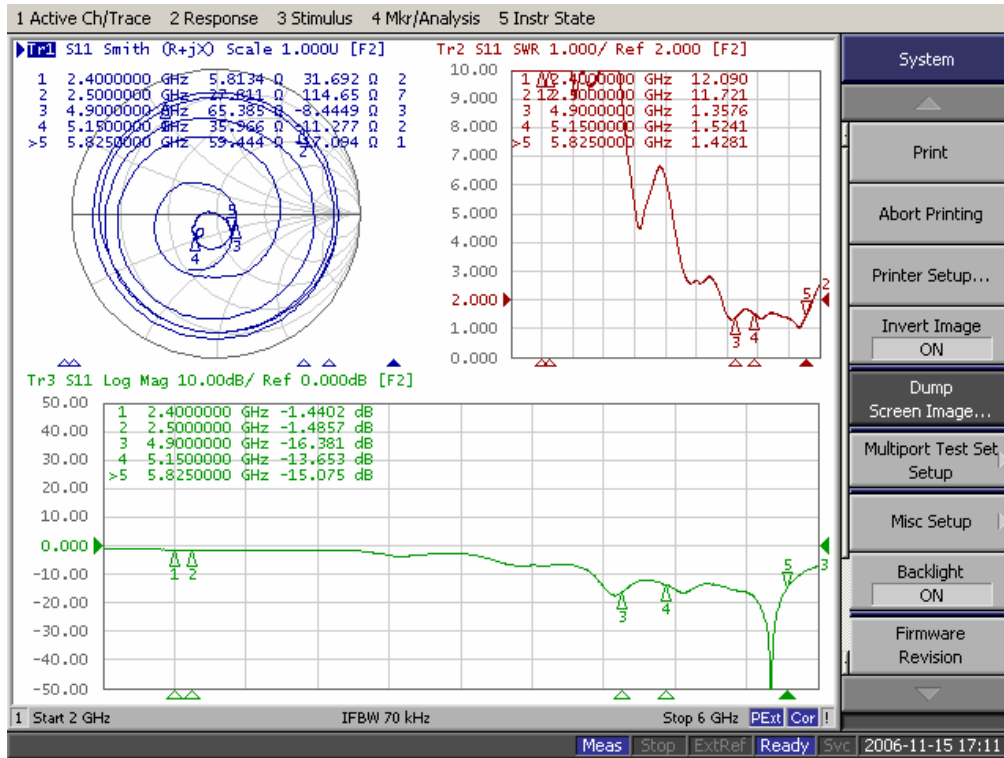


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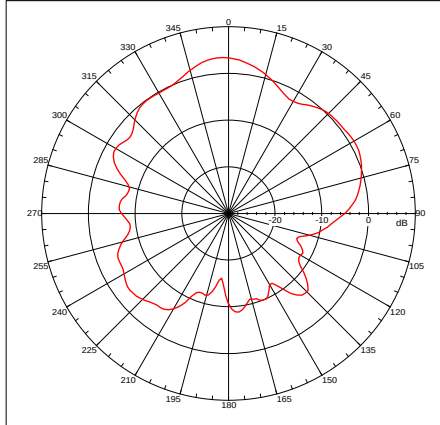
RF Antenna Assembly

P/NO : C210-510391A



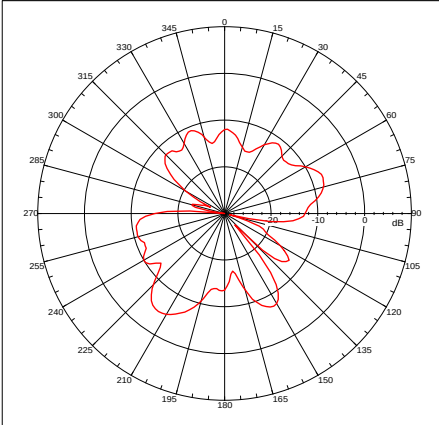
RF Antenna Assembly
P/NO : C210-510391-A SPEC :5GHz

Far-field amplitude of 5G-PIFA-H.nsi



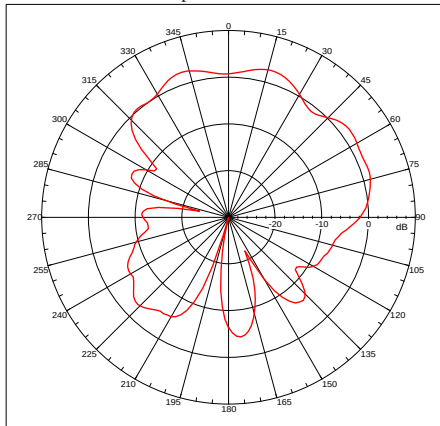
4.9GHz Gain = 3.41142 dBi

Far-field amplitude of 5G-PIFA-V.nsi



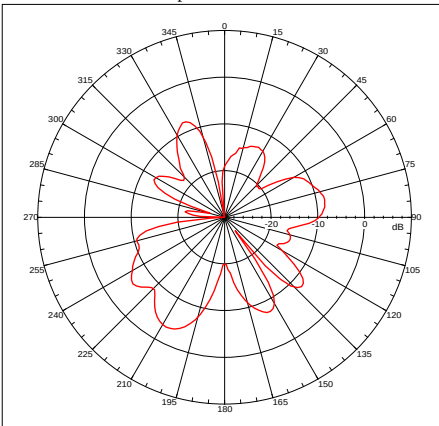
Gain = -4.68568 dBi

Far-field amplitude of 5G-PIFA-H.nsi



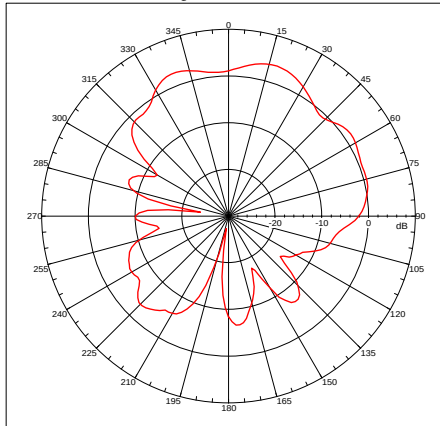
5.15GHz Gain = 2.69709 dBi

Far-field amplitude of 5G-PIFA-V.nsi



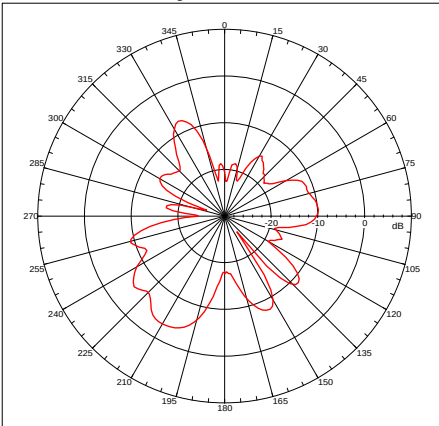
Gain = -3.37781 dBi

Far-field amplitude of 5G-PIFA-H.nsi



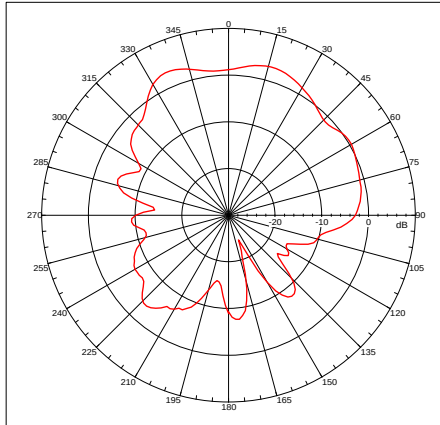
5.25GHz Gain = 3.74096 dBi

Far-field amplitude of 5G-PIFA-V.nsi



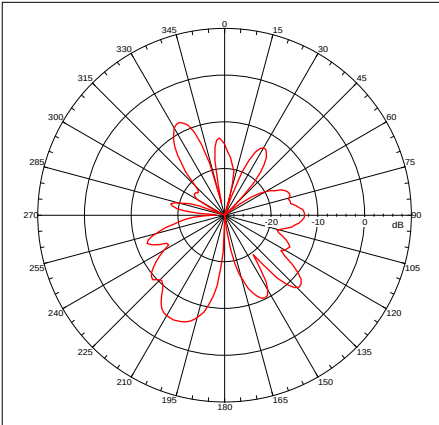
Gain = -3.36081 dBi

Far-field amplitude of 5G-PIFA-H.nsi

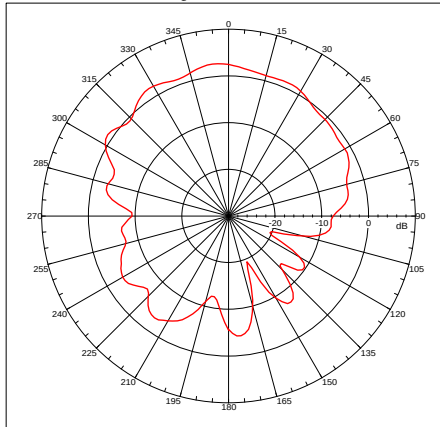


5.35GHz Gain = 3.32047 dBi
Far-field amplitude of 5G-PIFA-H.nsi

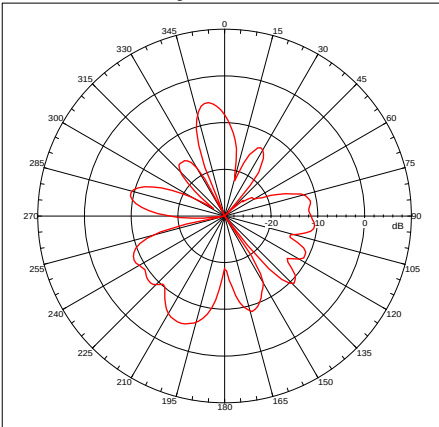
Far-field amplitude of 5G-PIFA-V.nsi



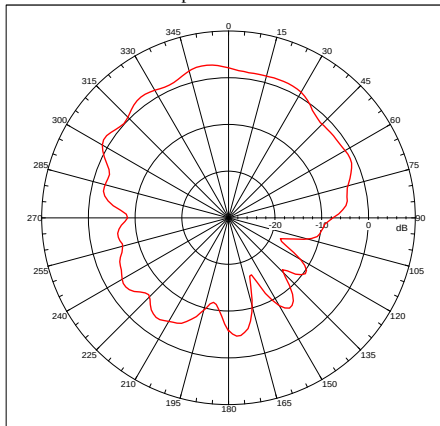
Gain = -5.06414 dBi
Far-field amplitude of 5G-PIFA-V.nsi



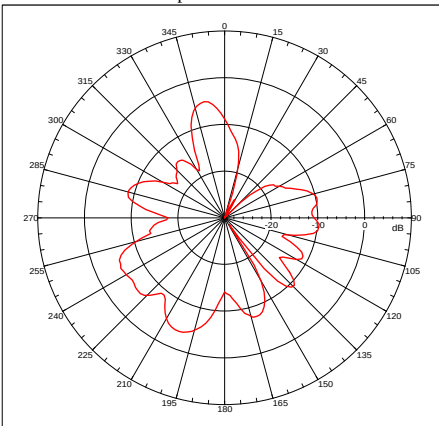
5.725GHz Gain = 2.6845 dBi
Far-field amplitude of 5G-PIFA-H.nsi



Gain = -5.20223 dBi
Far-field amplitude of 5G-PIFA-V.nsi



5.825GHz Gain = 2.9865 dBi



Gain = -3.8171 dBi