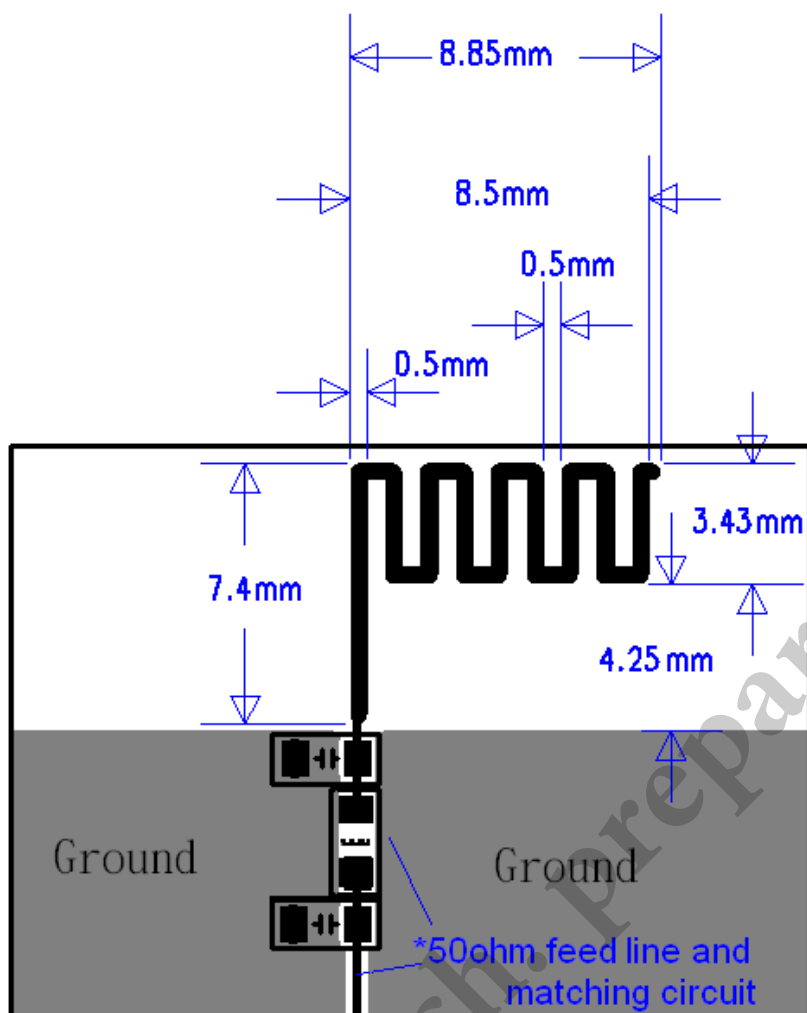


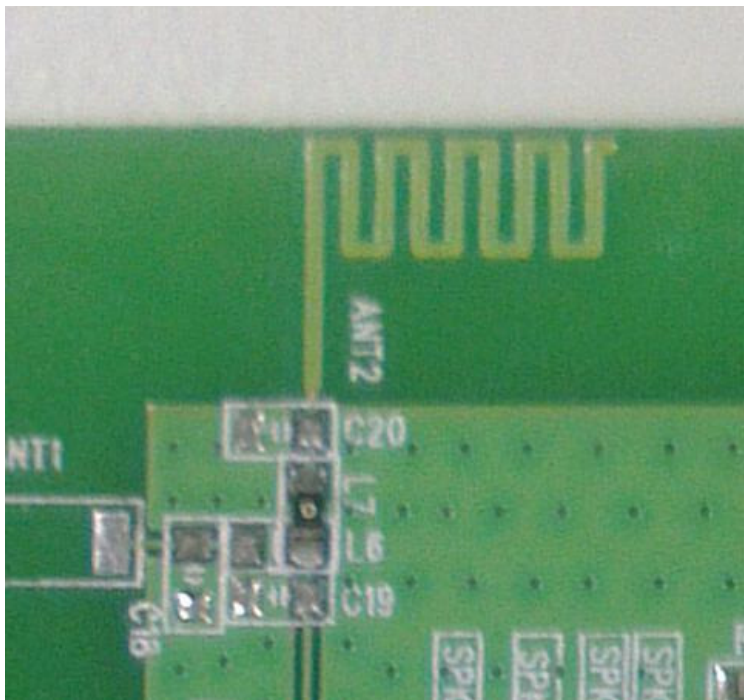
Printed antenna test report

(A).Printed antenna pattern:

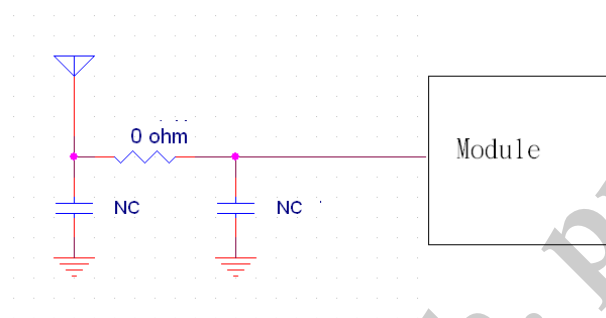


* 50 ohm feed line should be designed to match 50Ω characteristic impedance, depending on PCB material and thickness

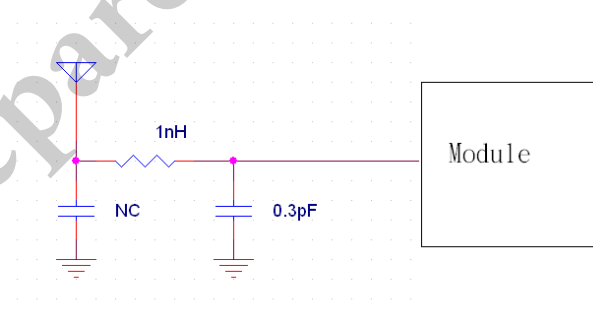
(B)Test Board:



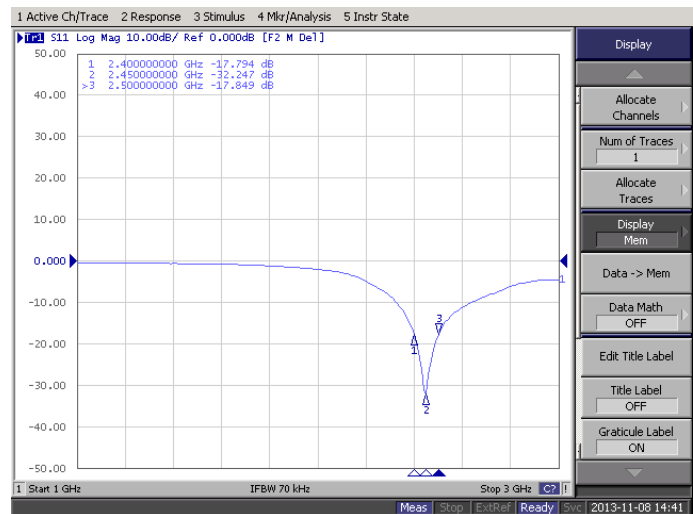
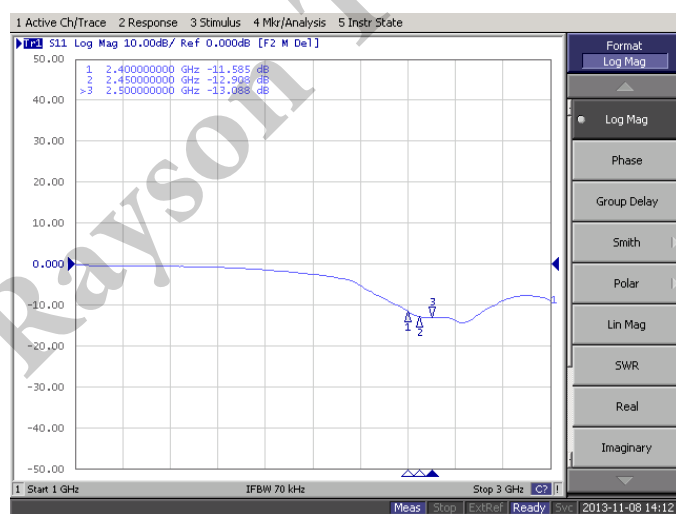
(B1).Without matching circuit:



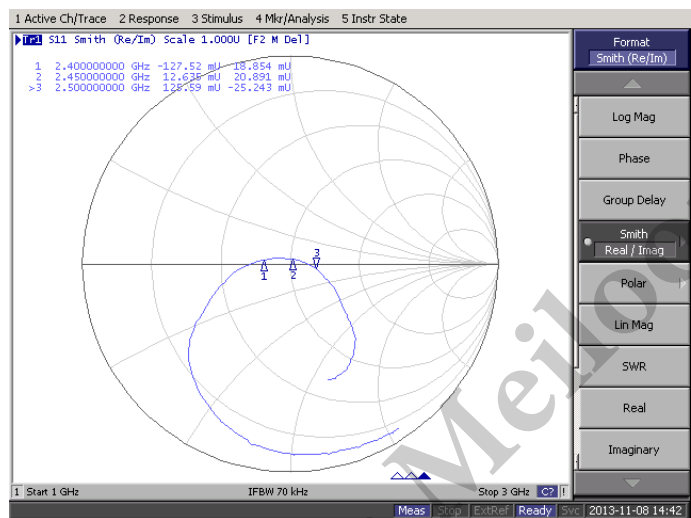
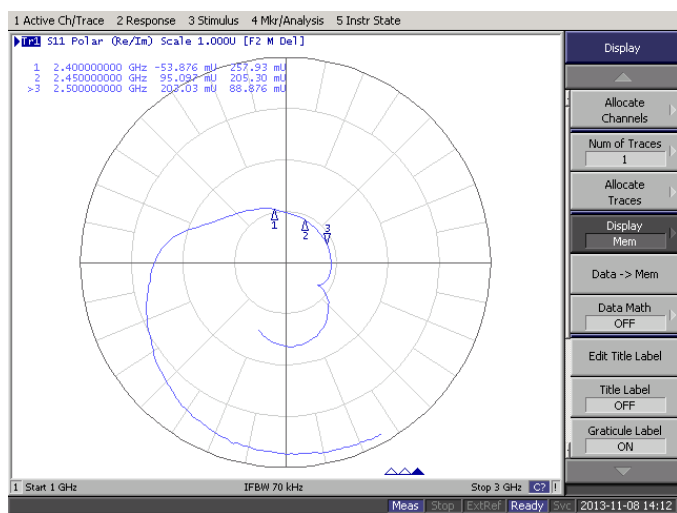
(B2).With matching circuit:



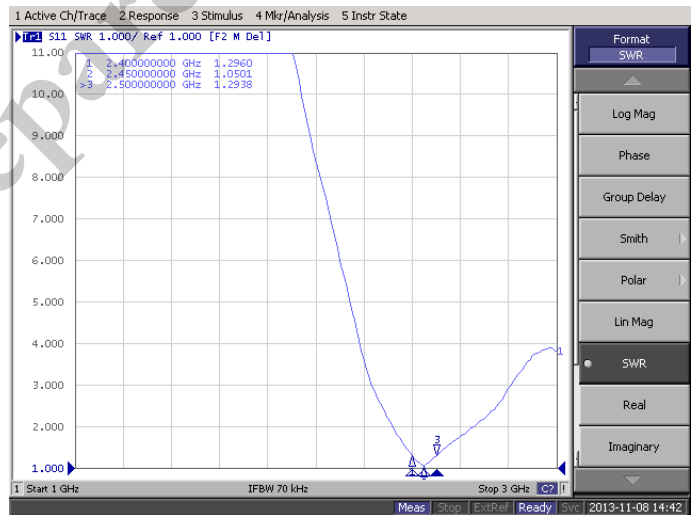
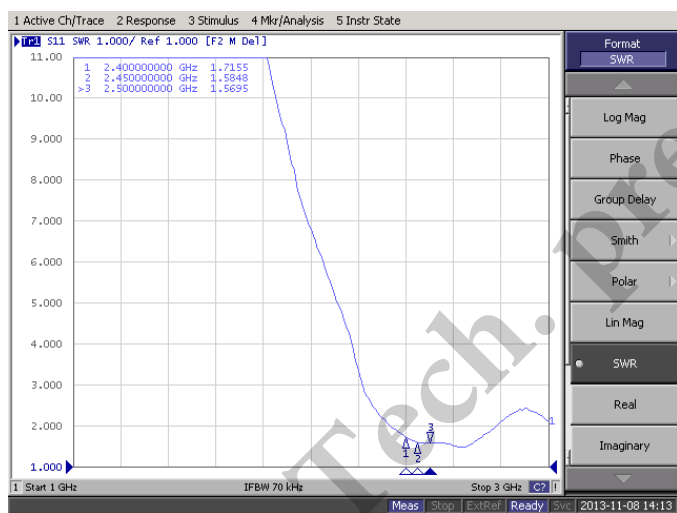
Return loss



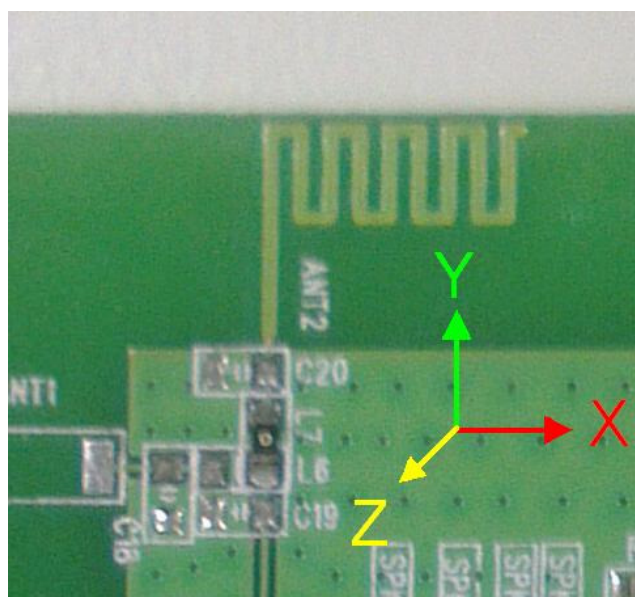
Smith chart



VSWR



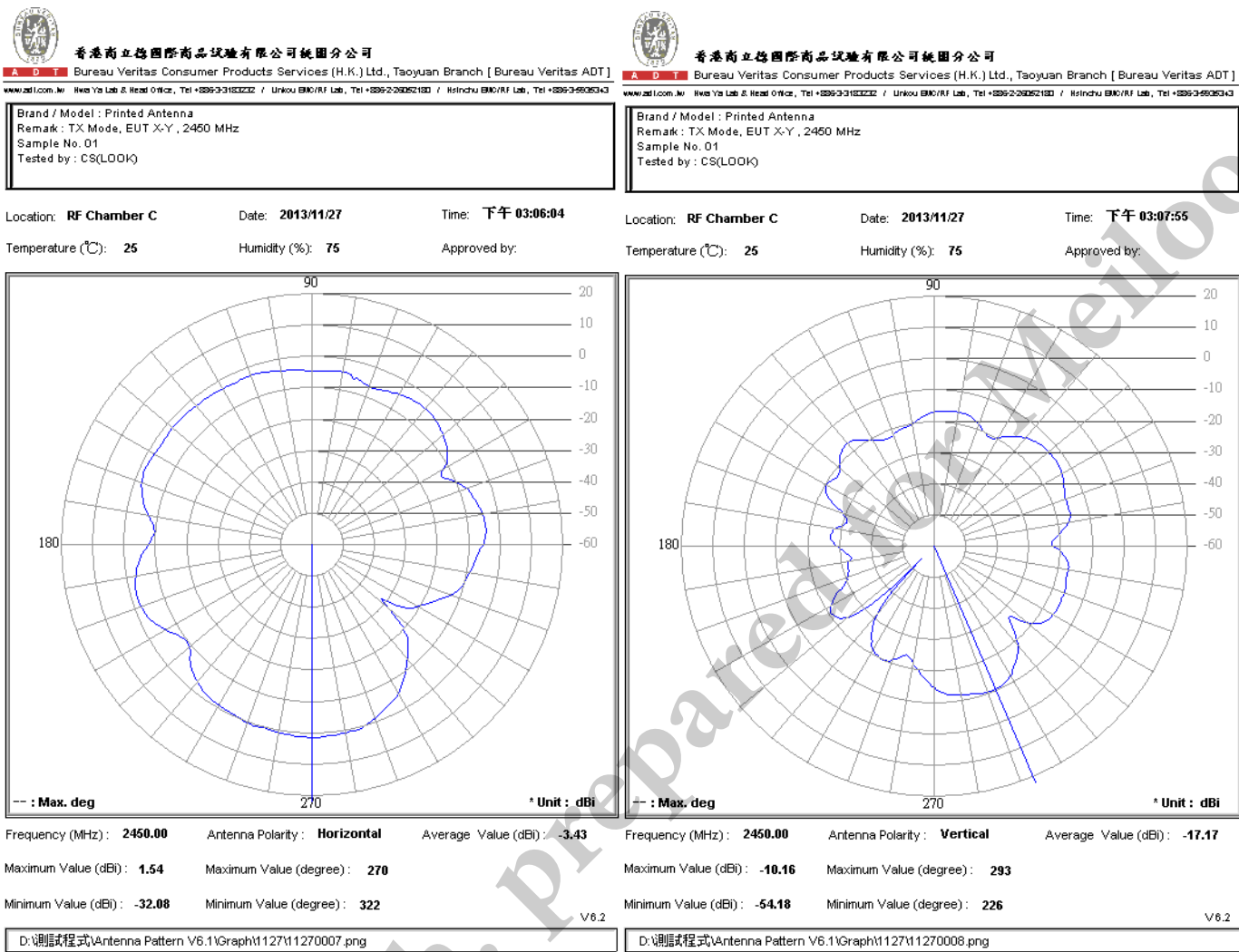
(C) Radiation Patterns of test board (with matching)



Gain Table(Unit :dBi):

@2.45GHz	Peak gain	Avg. gain
X-Y-H	1.54	-3.43
X-Y-V	-10.16	-17.17
X-Z-H	-1.95	-6.09
X-Z-V	1.1	-3.06
Y-Z-H	-1.56	-6.94
Y-Z-V	-1.4	-3.54

X-Y cut @2.45GHz





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www.adt.com.hk Hwa Yeh Lab & Head Office, Tel: +886-3-3153322 / Unkou EMC/RF Lab, Tel: +886-2-26062180 / Hsinchu EMC/RF Lab, Tel: +886-3-6935343

Brand / Model : Printed Antenna
Remark : TX Mode, EUT X-Y , 2450 MHz
Sample No. 01
Tested by : CS(LOOK)

Location: RF Chamber C Date: 2013/11/27 Time: 下午 03:07:55
Temperature (°C): 25 Humidity (%): 75 Approved by:



-- : Max. deg * Unit : dBi

Frequency (MHz): 2450.00 Antenna Polarity: Vertical Average Value (dBi): -17.17
Maximum Value (dBi): -10.16 Maximum Value (degree): 293
Minimum Value (dBi): -54.18 Minimum Value (degree): 226 V6.2

D:\測試程式\Antenna Pattern V6.1\Graph\1127\11270008.png

X-Z cut @2.45GHz

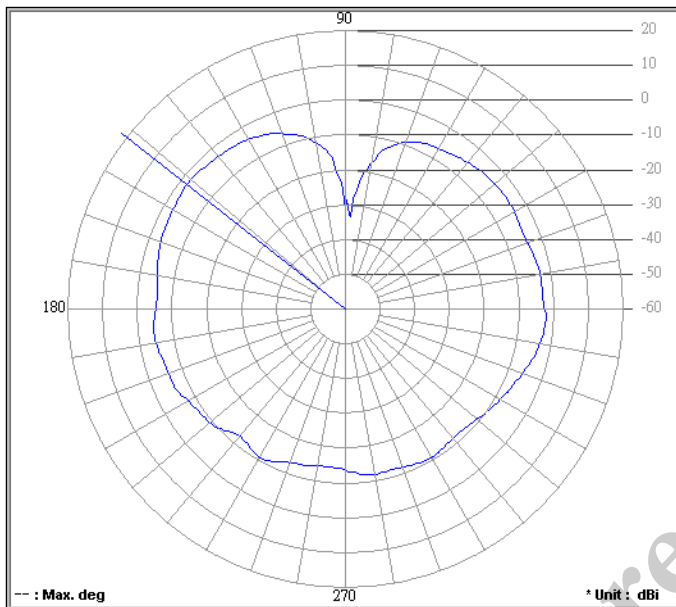


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www.adt.com.tw Hwa Ya Lab & Head Office, Tel +886-3-3152222 / Unkou EMC/RF Lab, Tel +886-2-26052180 / Hsinchu EMC/RF Lab, Tel +886-3-6605343

Brand / Model : Printed Antenna
Remark : 2450MHz , EUT X-Z
Sample No. 1
Tested by : Gary

Location: RF Chamber C Date: 2013/11/29 Time: 上午 11:04:29
Temperature (°C): 25 Humidity (%): 60 Approved by:



Frequency (MHz): 2450.00 Antenna Polarity: Horizontal Average Value (dBi): -6.09
Maximum Value (dBi): -1.95 Maximum Value (degree): 142
Minimum Value (dBi): -33.41 Minimum Value (degree): 87
V6.2

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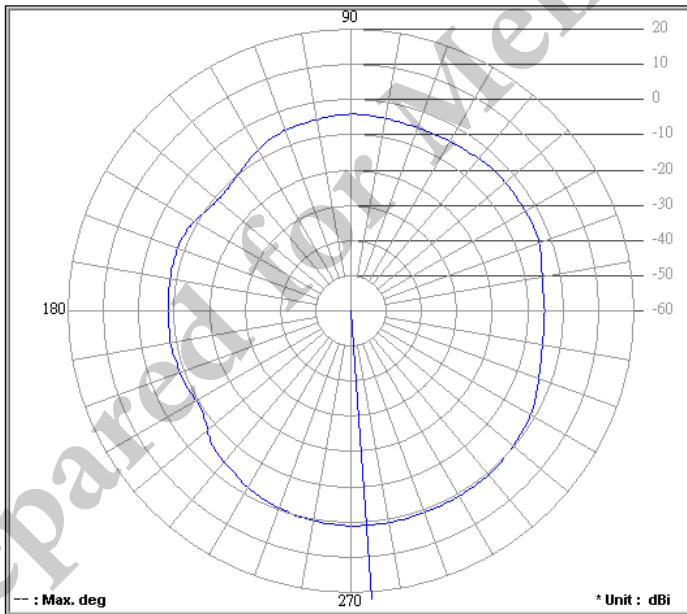


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Brand / Model : Printed Antenna
Remark : 2450MHz , EUT X-Z
Sample No. 1
Tested by : Gary

Location: RF Chamber C Date: 2013/11/29 Time: 上午 11:06:25
Temperature (°C): 25 Humidity (%): 60 Approved by:



Frequency (MHz): 2450.00 Antenna Polarity: Vertical Average Value (dBi): -3.06
Maximum Value (dBi): 1.10 Maximum Value (degree): 274
Minimum Value (dBi): -10.94 Minimum Value (degree): 139
V6.2

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Y-Z cut @2.45GHz



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Brand / Model : Printed Antenna
Remark : 2450MHz, EUT Y-Z
Sample No. 1
Tested by : Gary

Location: RF Chamber C

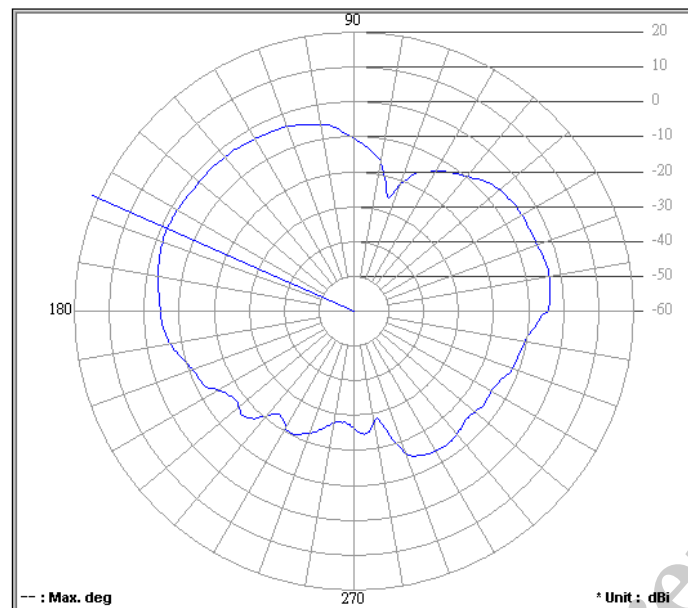
Date: 2013/11/29

Time: 下午 12:15:15

Temperature (°C): 25

Humidity (%): 60

Approved by:



Frequency (MHz): 2450.00 Antenna Polarity: Horizontal Average Value (dBi): -6.94
Maximum Value (dBi): -1.56 Maximum Value (degree): 156
Minimum Value (dBi): -28.60 Minimum Value (degree): 282
V6.2

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Brand / Model : Printed Antenna
Remark : 2450MHz, EUT Y-Z
Sample No. 1
Tested by : Gary

Location: RF Chamber C

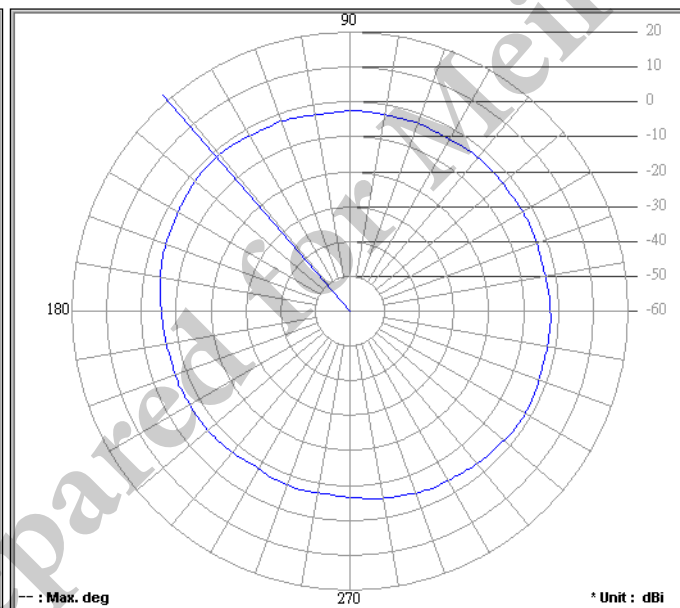
Date: 2013/11/29

Time: 上午 11:10:08

Temperature (°C): 25

Humidity (%): 60

Approved by:



Frequency (MHz): 2450.00 Antenna Polarity: Vertical Average Value (dBi): -3.54
Maximum Value (dBi): -1.40 Maximum Value (degree): 131
Minimum Value (dBi): -7.75 Minimum Value (degree): 239
V6.2

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