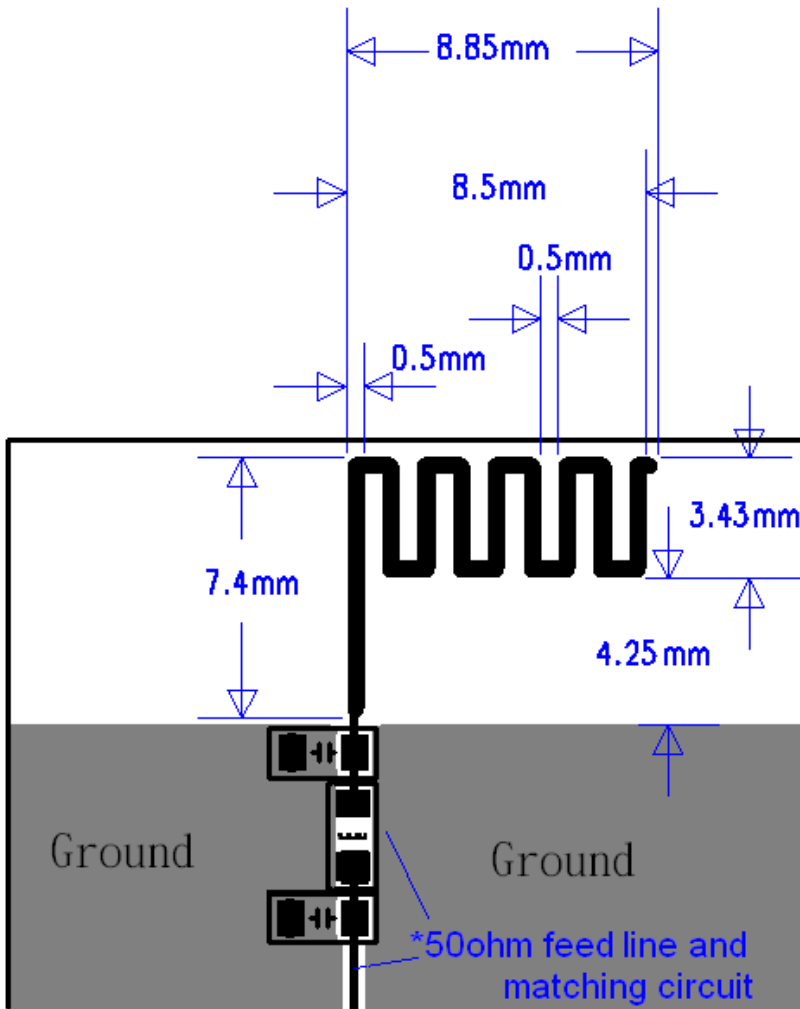


Antenna Specifications

(A).Printed antenna pattern:

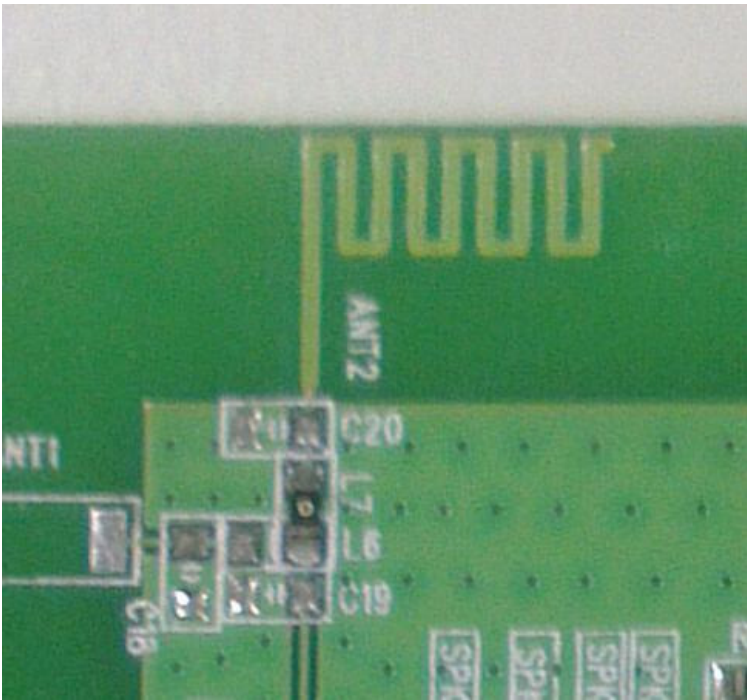


* 50 ohm feed line should be designed to match 50Ω characteristic impedance, depending on PCB material and thickness

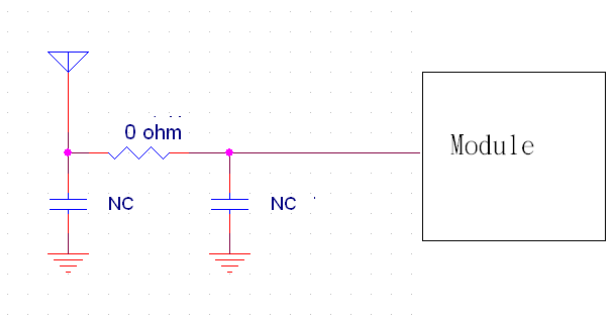
Manufacturer : Dongguan TEAC Electronics Co.,Ltd.

Address: Building D 5-6 floors No.1 Shangxing Lu Shangjiao Chang-an Town, Dongguan City, Guangdong, Province, China

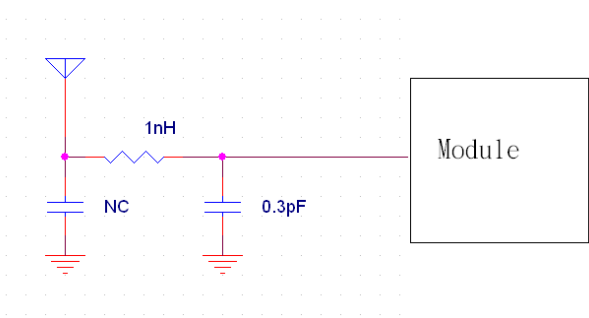
(B)Test Board:



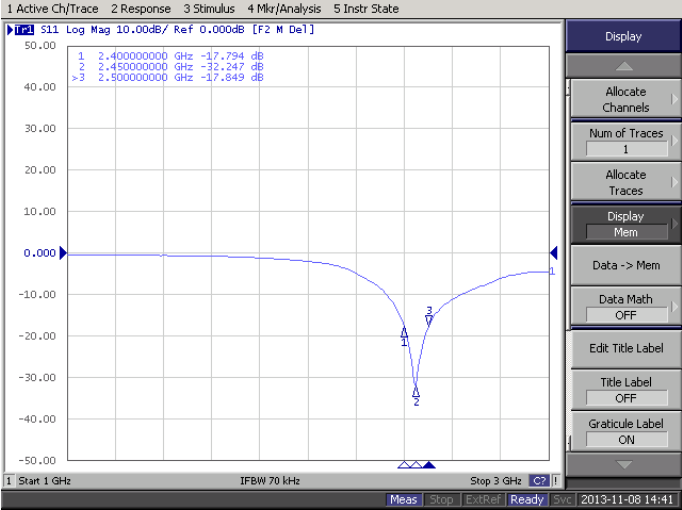
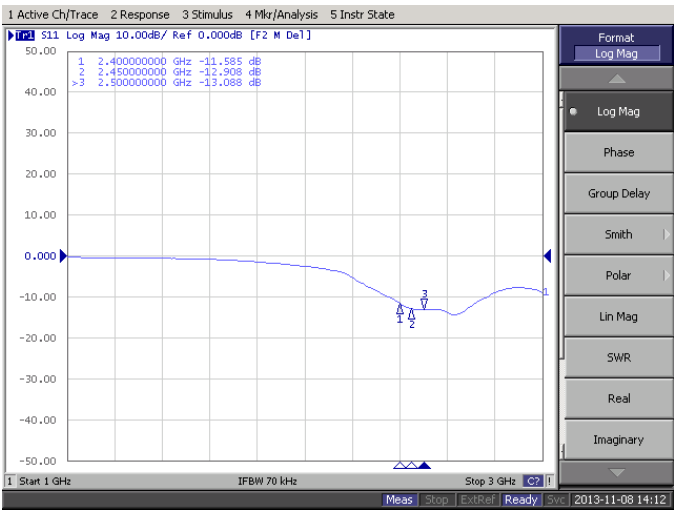
(B1).Without matching circuit:



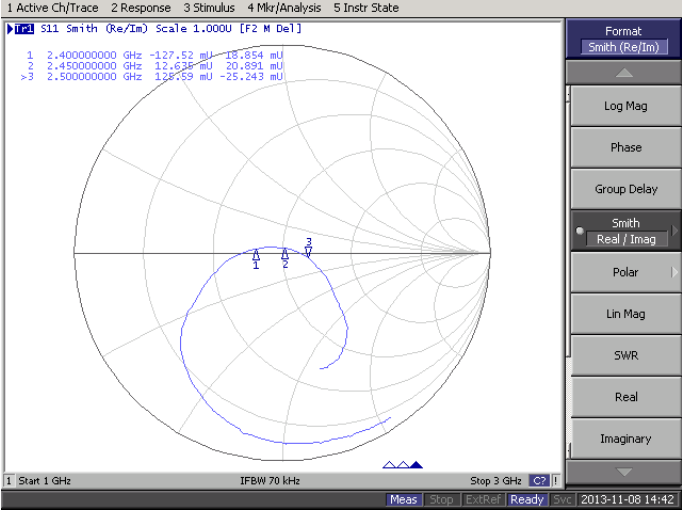
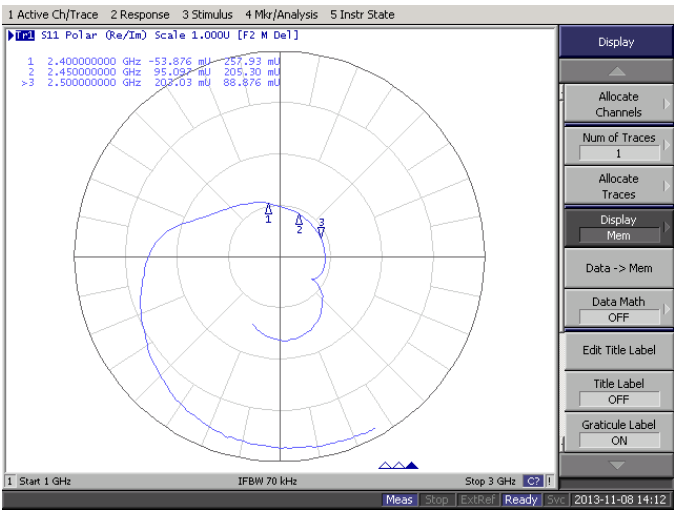
(B2).With matching circuit:



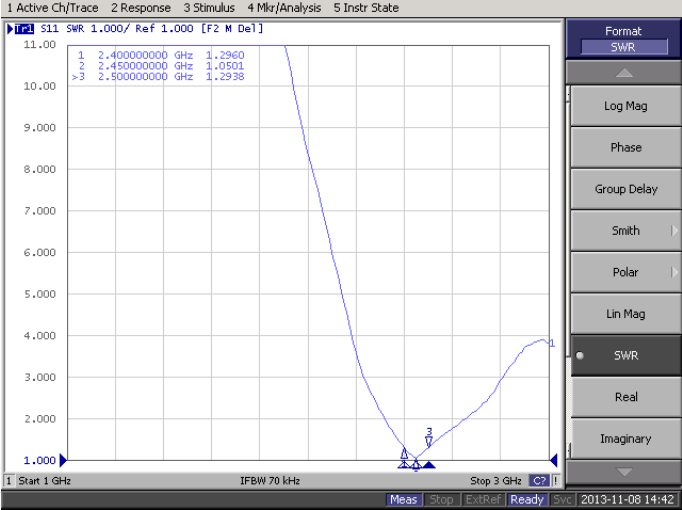
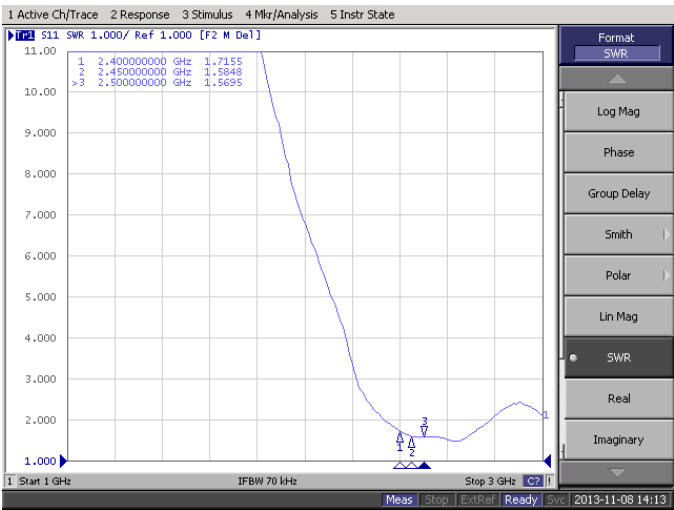
Return loss



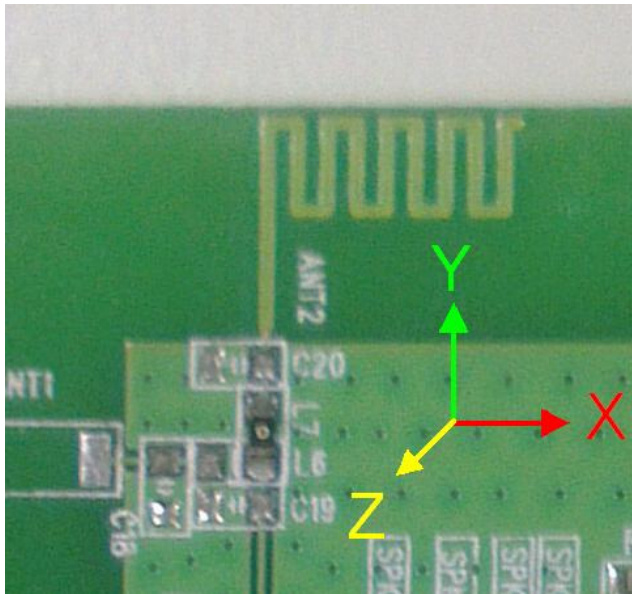
Smith chart



VSWR



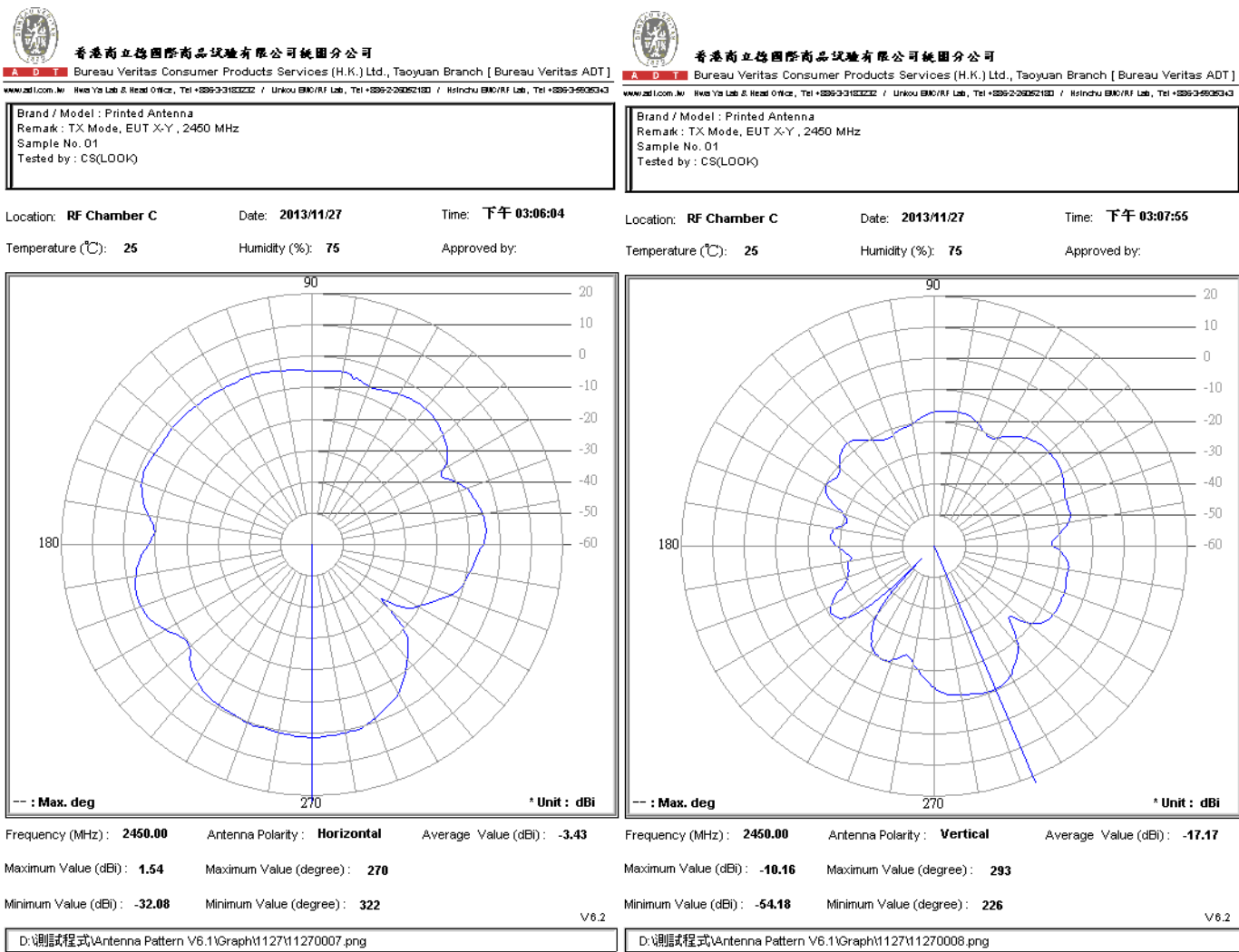
(C) Radiation Patterns of test board (with matching)



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





香港獨立國際商品試驗有限公司統圖分公司
Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch [Bureau Veritas ADT]
www.adt.com.hk | Hwa Yeh Lab & Head Office, Tel: +886-3-3153222 / 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:



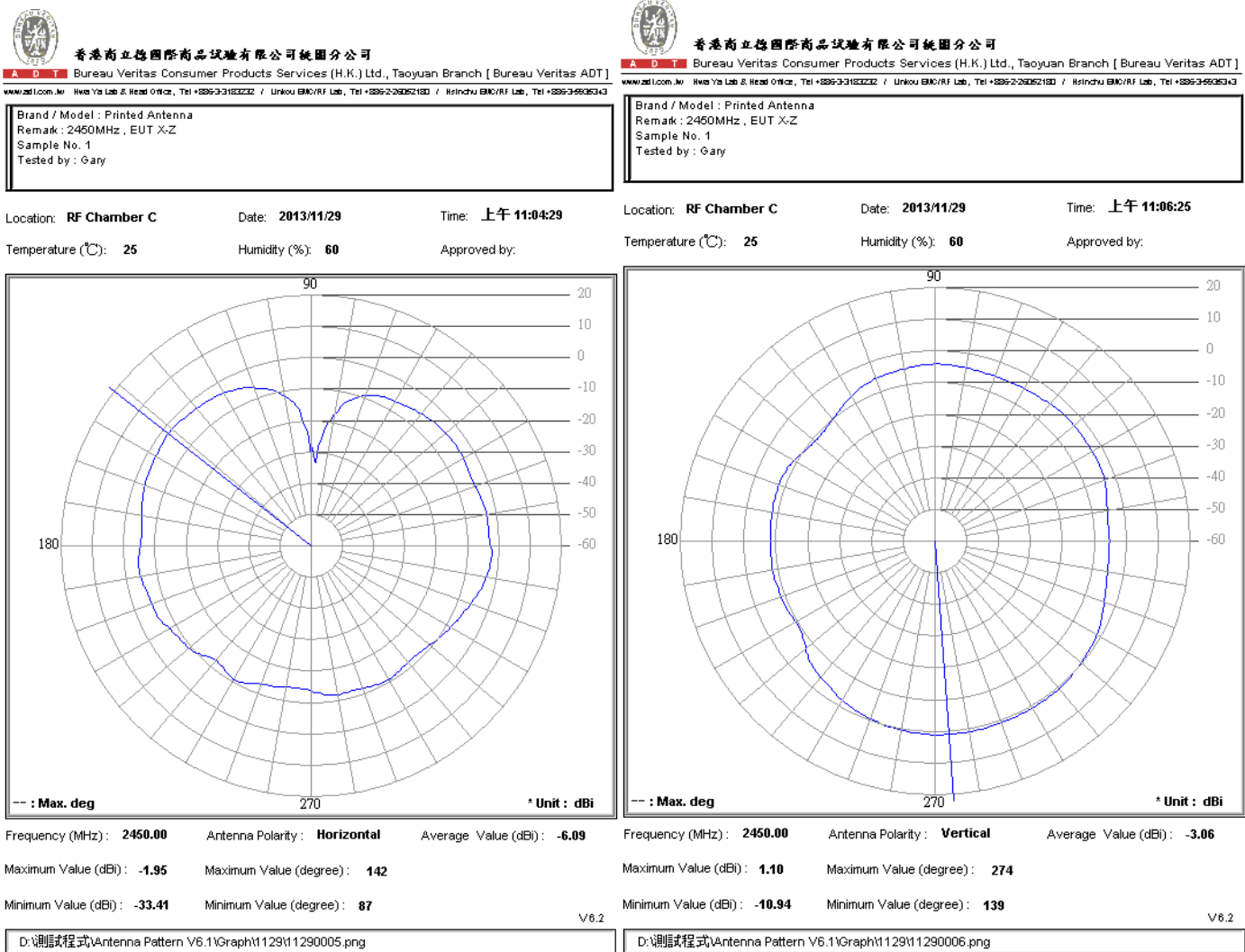
-- : Max. deg * Unit : dBi

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



Y-Z cut @2.45GHz

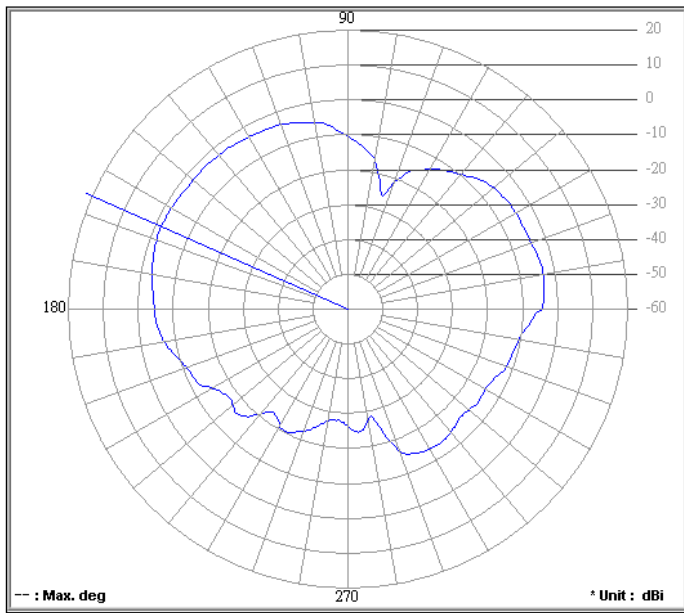


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A D T Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch [Bureau Veritas ADT]
www.adt.com.hk Hwa-Ya Lab & Head Office, Tel +886-3-3183232 / Unkou EMC/RF Lab, Tel +886-2-2952180 / Hsinchu EMC/RF Lab, Tel +886-3-6936343

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

D:\測試程式\Antenna Pattern V6.1\Graph\1129\11290010.png

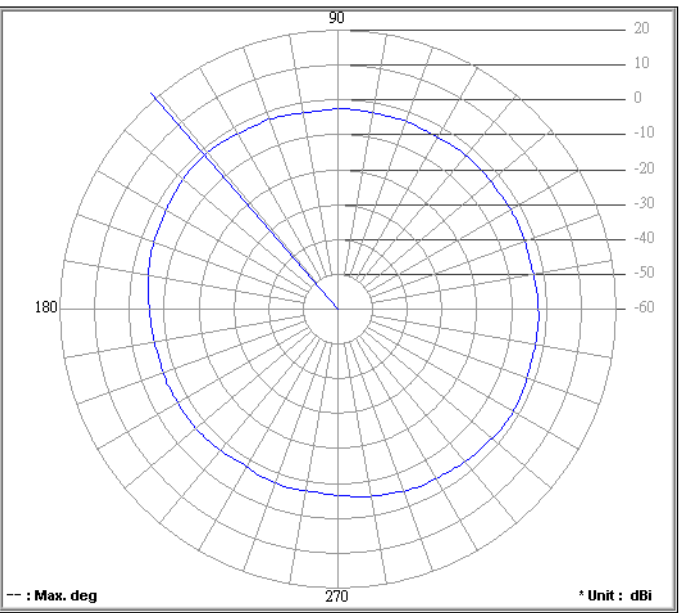


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Brand / Model : Printed Antenna
Remark : 2450MHz , EUT Y-Z
Sample No. 1
Tested by : Gary

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

D:\測試程式\Antenna Pattern V6.1\Graph\1129\11290007.png