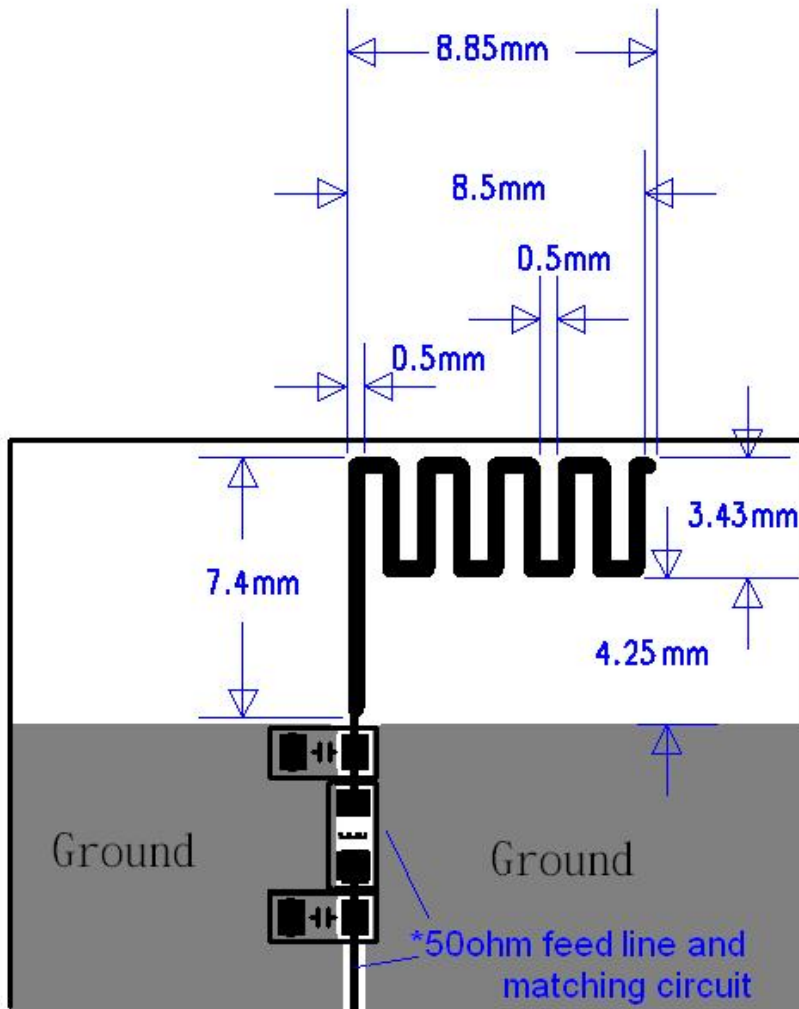


# Printed antenna test report

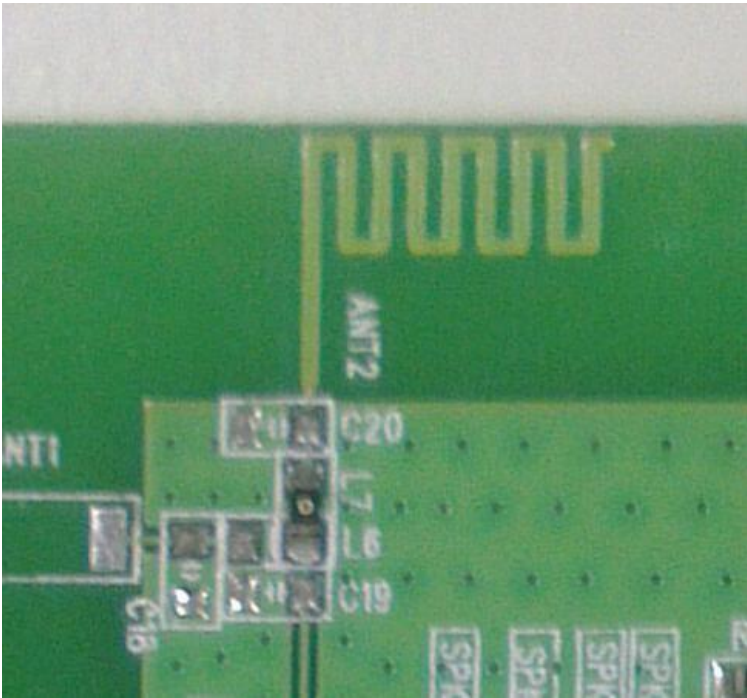
(A).Printed antenna pattern:



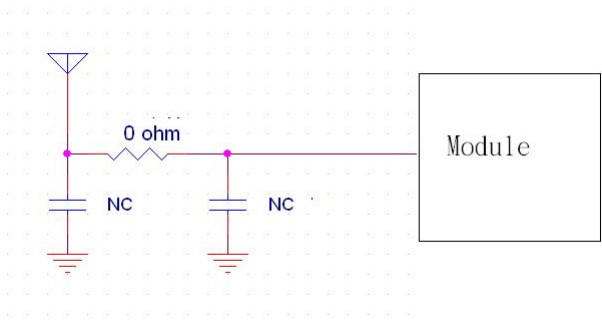
\* 50 ohm feed line should be designed to match 50Ω characteristic impedance, depending on PCB material and thickness

ITEM	ANT SPEC
Model Name	2.4G ANT
MAX. Gain	1.54 dBi
Manufacturer	Hotel Technologies Inc.
Address	1-47 Ochiai, Tama-shi, Tokyo, Japan

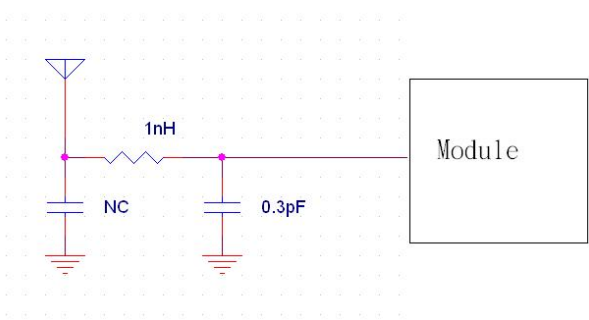
(B)Test Board:



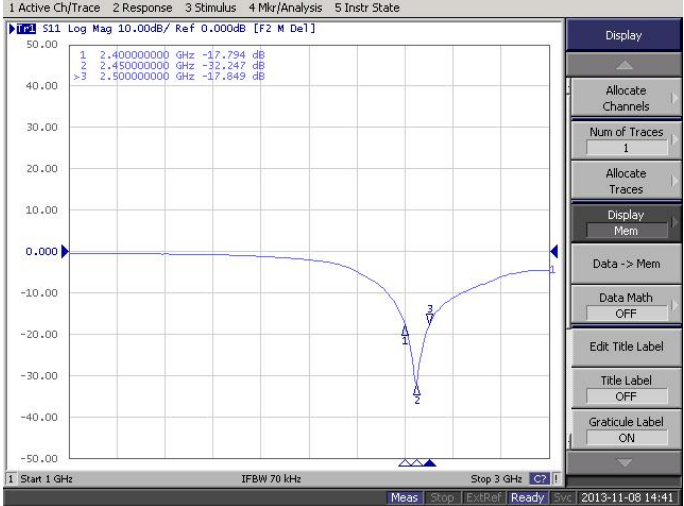
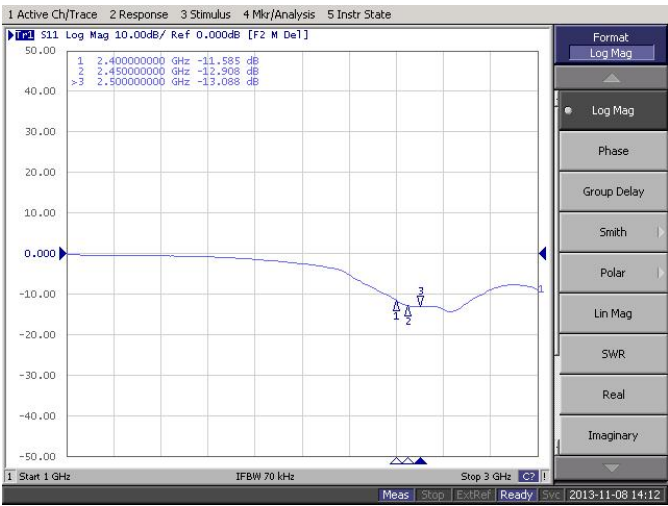
(B1).Without matching circuit:



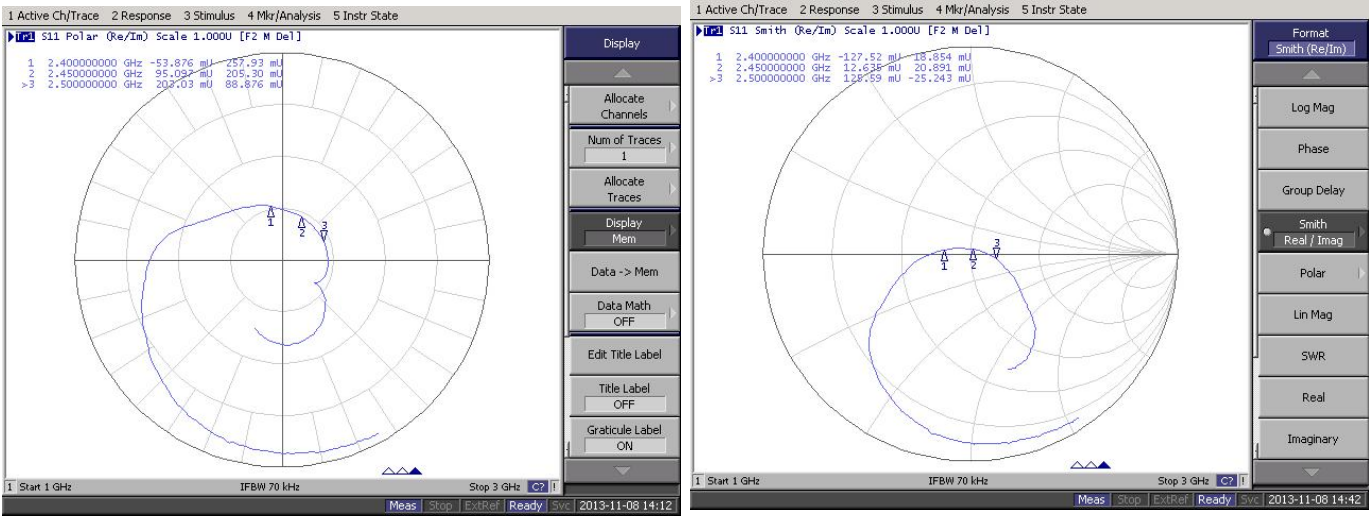
(B2).With matching circuit:



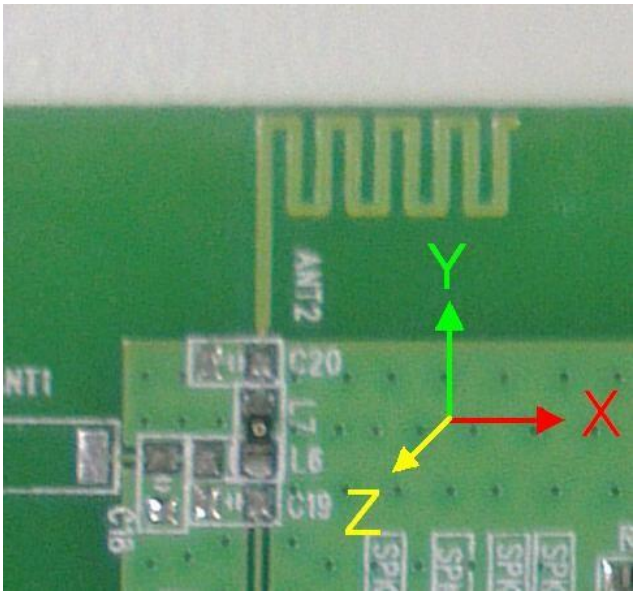
Return loss



Smith chart



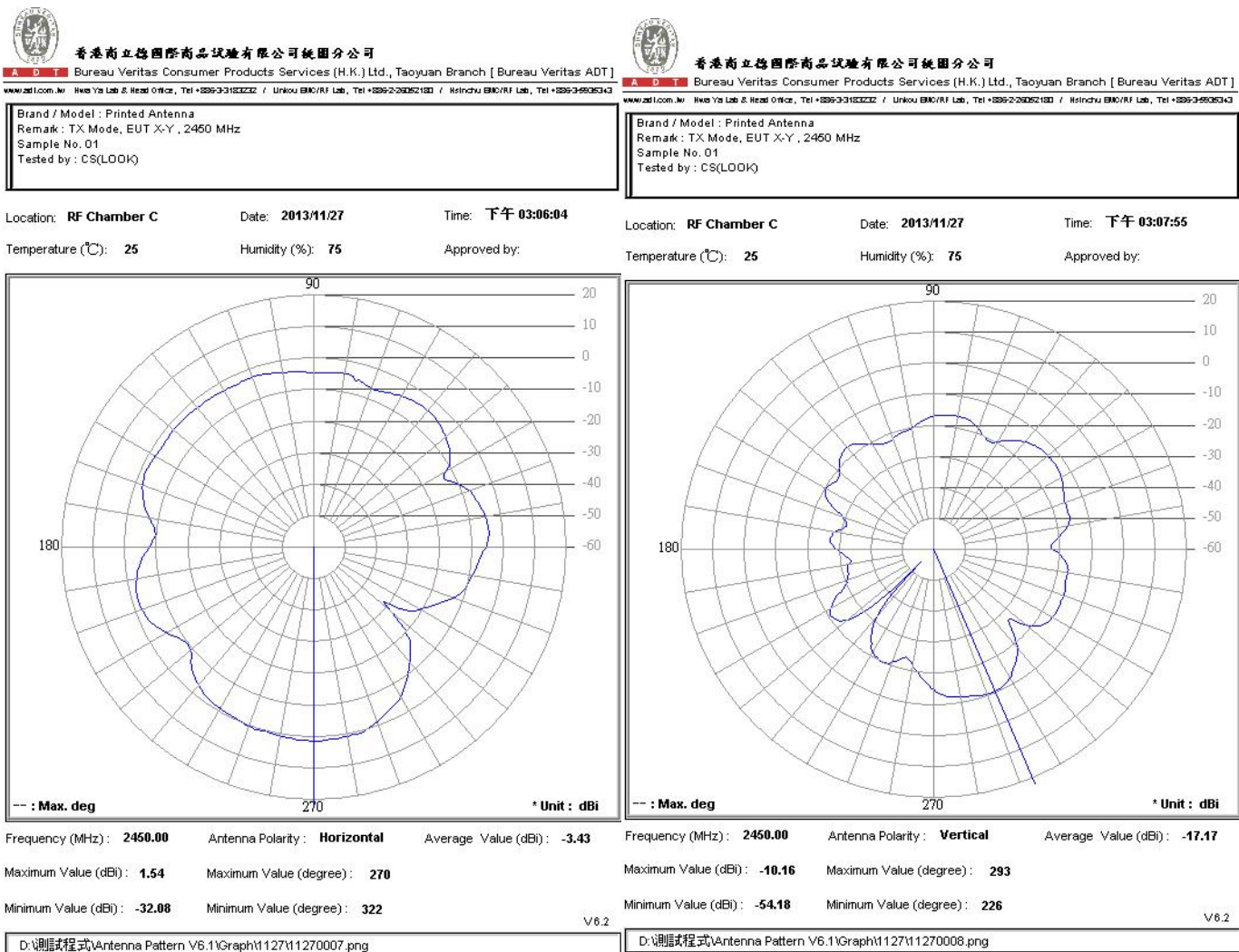
(C) Radiation Patterns of test board (with matching )



Gain Table(Unit :dBi):

@2.45G	Peak	Avg. gain
X-Y-H	1.	-
X-Y-V	-	-
X-Z-H	-	-
X-Z-V	1.1	-
Y-Z-H	-	-
Y-Z-V	-	-

X-Y cut @2.45GHz





香港商立德國際商品試驗有限公司桃園分公司  
Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch [ Bureau Veritas ADT ]  
www.bv.com.hk | Hwa Yeh Lab & Head Office, Tel +886-3-3153322 / Unkou EMC/RF Lab, Tel +886-2-26262180 / Hsinchu EMC/RF Lab, Tel +886-3-6936343

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

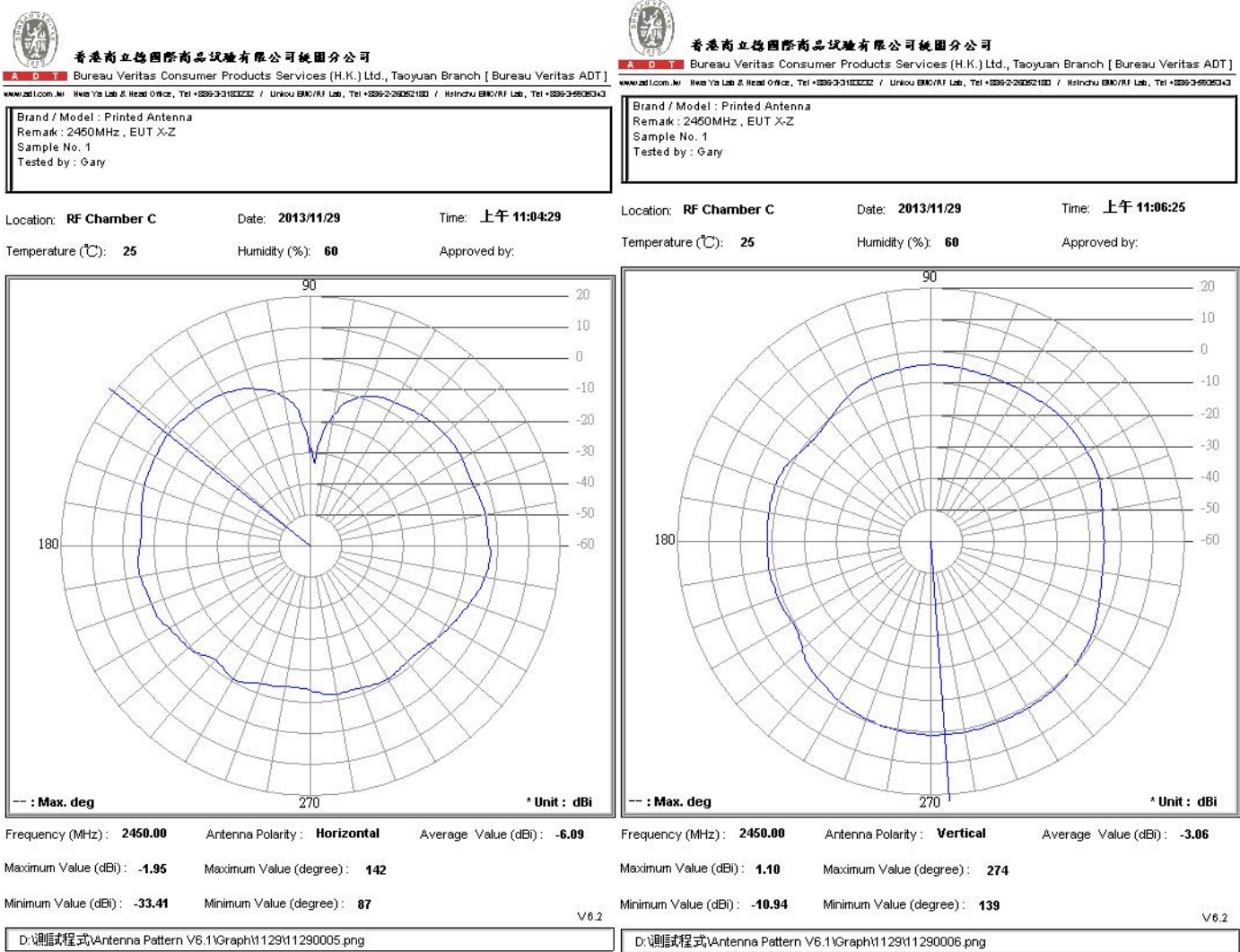
Frequency (MHz): 2450.00      Antenna Polarity : Vertical      Average Value (dBi): -17.17  
Maximum Value (dBi): -10.16      Maximum Value (degree): 293  
Minimum Value (dBi): -54.18      Minimum Value (degree): 226

V6.2

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



X-Z cut @2.45GHz





香港商立德國際商品試驗有限公司桃園分公司  
Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch [Bureau Veritas ADT]  
www.adt.com.tw Hwa Ya Lab & Head Office, Tel +886-3-3153232 / Unkou EMC/RF Lab, Tel +886-2-2652190 / Hsinchu EMC/RF Lab, Tel +886-3-5535343

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:



-- : Max. deg      \* Unit : dBi

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      D:\測試程式\Antenna Pattern V6.1\Graph\1129\11290006.png

Y-Z cut @2.45GHz

