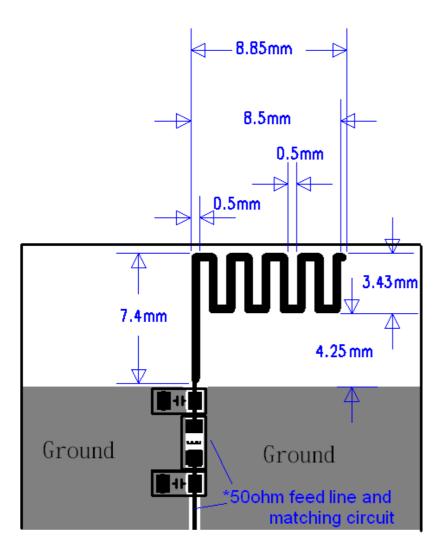
Antenna Specifications

(A).Printed antenna pattern:

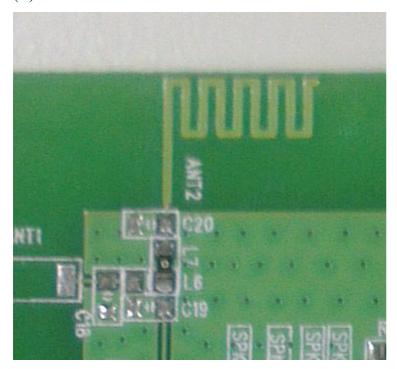


* 50 ohm feed line should be designed to match 50Ω characteristic impedance, depending on PCB material and thickness

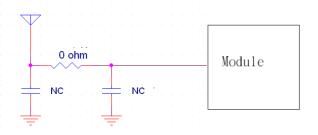
Manufacturer: Dongguan TEAC Electronics Co.,Ltd.

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

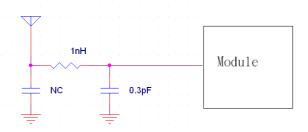
(B)Test Board:



(B1). Without matching circuit:



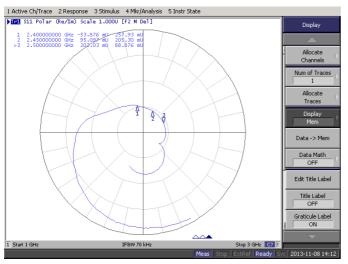
(B2). With matching circuit:

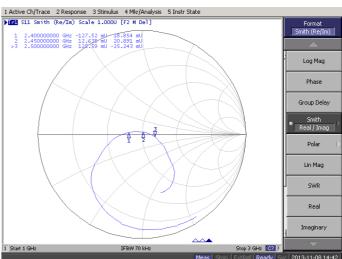


Return loss

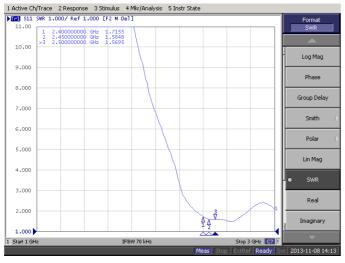


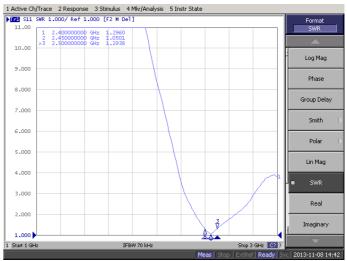
Smith chart



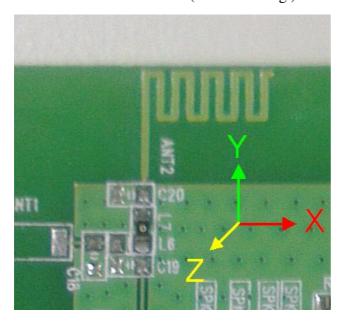


VSWR





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



Gain Table(Unit :dBi):

@2.45GHz	Peak gain	Avg. gain
Х-Ү-Н	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



香港商立德國際商品試验有限公司統國分公司

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

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

香港商立德國際商品試验有限公司美國分公司

Time: 下午 03:06:04 Location: RF Chamber C Date: 2013/11/27 Time: 下午 03:07:55 Date: 2013/11/27 Location: RF Chamber C Temperature (℃): 25 Humidity (%): 75 Approved by: Temperature (℃): 25 Humidity (%): 75 Approved by: _ 20 _ 20 - 10 - 0 . n -10 -10 -20 -30 -30 -40 -50 -50 180 -60 180 -60 - : Max. deg 270 * Unit: dBi - : Max. deg 270 * Unit: dBi Frequency (MHz): 2450.00 Antenna Polarity: Horizontal Average Value (dBi): -3.43 Frequency (MHz): 2450.00 Antenna Polarity: Vertical Average Value (dBi): -17.17 Maximum Value (dBi): 1.54 Maximum Value (dBi): -10.16 Maximum Value (degree): 270 Maximum Value (degree): 293 Minimum Value (dBi): -32.08 Minimum Value (degree): 322 Minimum Value (dBi): -54.18 Minimum Value (degree): 226 V6.2 V6.2 D:测試程式\Antenna Pattern V6.1\Graph\1127\11270007.png D:测試程式\Antenna Pattern V6.1\Graph\1127\11270008.png



考差商立体图形商品设验有限公司使图分公司
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www.adl.com.lw | Wea Ya Lab & Read Office, Tel +255-254532522 / Uniou BIO/R/ Lab, Tel +255-254532523

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



者 表 方 立 体 国 所 方 よ に 独 有 尽 公 可 終 国 分 公 可 Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch [Bureau Veritas ADT]
www.aslicon.iw | Nea Ya Lab & Head Office, Tel + 395-3450202 / Univ. Univ. Tel + 395-2450202 () Hindru BNO/R Lab, Tel + 395-2450203 ()

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	Location: RF Chamber C	Date: 2013/11/29	Time: 上午 11:06:25
Temperature (℃): 25	Humidity (%): 60	Approved by:	Temperature (℃): 25	Humidity (%): 60	Approved by:
180 : Max. deg	90	20 10 0 -10 -20 -30 -40 -50 -60	180 : Max. deg	90	20 10 0 -10 -20 -30 -40 -50 -60
Frequency (MHz): 2450.00	Antenna Polarity : Horizontal	Average Value (dBi): -6.09	Frequency (MHz): 2450.00	Antenna Polarity : Vertical	Average Value (dBi): -3.06
Maximum Value (dBi): -1.95	Maximum Value (degree): 142		Maximum Value (dBi): 1.10	Maximum Value (degree): 274	
Minimum Value (dBi): -33.41	Minimum Value (degree): 87	V6.2	Minimum Value (dBi): -10.94	Minimum Value (degree): 139	V6.2
D:训腻程式\Antenna Pattern \	V6.1\Graph\1129\11290005.png		D:測試程式\Antenna Pattern	V6.1\Graph\1129\11290006.png	



香港商立德國際商品試验有限公司提圖分公司

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者感商立德国際商品试验有限公司使国分公司

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

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

Time: 上午 11:10:08 Time: 下午 12:15:15 Location: RF Chamber C Date: 2013/11/29 Date: 2013/11/29 Location: RF Chamber C Temperature (°C): 25 Temperature (℃): 25 Humidity (%): 60 Approved by: Humidity (%): 60 Approved by: _ 10 _ 10 - 0 -10 -20 -20 -30 -30 -40 -40 -50 -50 180 -60 -60 180 - : Max. deg * Unit: dBi - : Max. deg * Unit: dBi Frequency (MHz): 2450.00 Antenna Polarity: Horizontal Frequency (MHz): 2450.00 Antenna Polarity: Vertical Average Value (dBi): -3.54 Average Value (dBi): -6.94 Maximum Value (dBi): -1.56 Maximum Value (degree): 156 Maximum Value (dBi): -1.40 Maximum Value (degree): 131 Minimum Value (dBi): -28.60 Minimum Value (degree): 282 Minimum Value (dBi): -7.75 Minimum Value (degree): 239 V6.2 D:測試程式\Antenna Pattern V6.1\Graph\1129\11290010.png D:測試程式\Antenna Pattern V6.1\Graph\1129\11290007.png