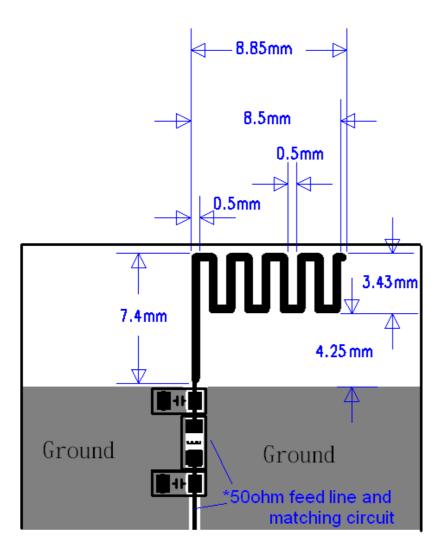
Antenna Specifications

(A).Printed antenna pattern:

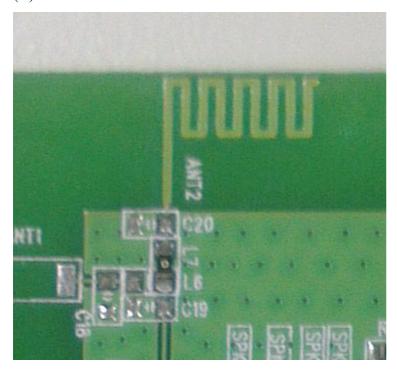


* 50 ohm feed line should be designed to match 50Ω characteristic impedance, depending on PCB material and thickness

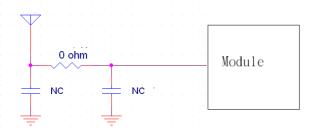
Manufacturer: Dongguan TEAC Electronics Co.,Ltd.

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

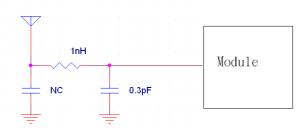
(B)Test Board:



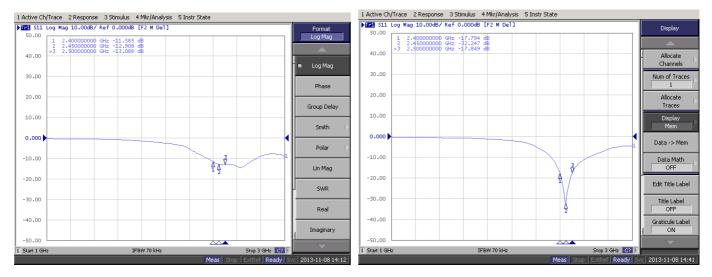
(B1). Without matching circuit:



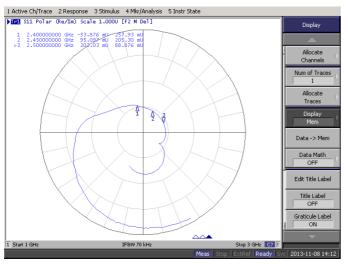
(B2). With matching circuit:

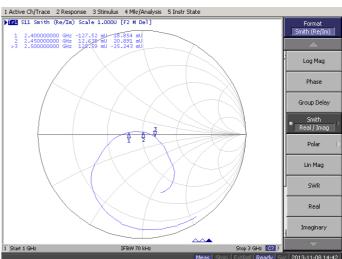


Return loss

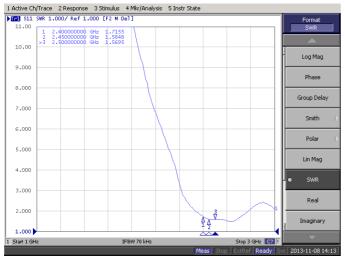


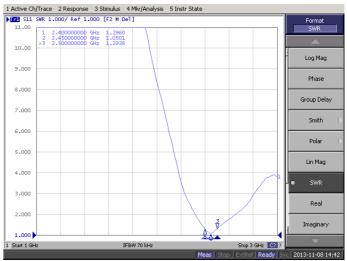
Smith chart



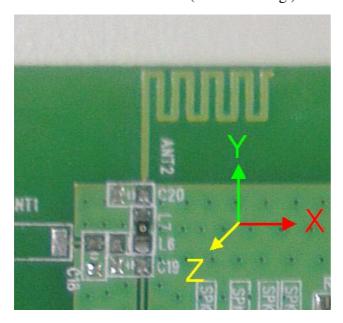


VSWR





(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

1 Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch [Bureau Veritas ADT] Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch [Bureau Veritas ADT] www.aadi.com.lkv Hwa Ya Lab & Head O'lice, Tel+596-3-3153232 / Linkou BMC/RF Lab, Tel+596-2-25052150 / Hsinchu BMC/RF Lab, Tel+596-3-59053-3 www.and.com.kw Hwan Yan Labo & Heard Onfice, Tell+886-3-31532222 / LUnkou EMC/RF Labo, Tell+8865-2-260562150 / Histochu EMC/RF Labo, Tell+886-3-593653-3

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
Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch [Bureau Veritas ADT]
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

Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch (Bureau Veritas ADT)

Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch (Bureau Veritas ADT)

Wasdicon Mr Wee Ya Lab & Read Office, Tel +286-3-3152222 / Linkou BMO/R/ Lab, Tel +286-2-3052103 / Rishchu BMO/R/ Lab, Tel +286-3-365303102

Wasdicon Mr Wee Ya Lab & Read Office, Tel +286-3-3152222 / Linkou BMO/R/ Lab, Tel +286-3-365303102

Wasdicon Mr Wee Ya Lab & Read Office, Tel +286-3-3162222 / Linkou BMO/R/ Lab, Tel +286-3-365303102

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Wasdicon Mr Wee Ya Lab & Read Office, Tel +286-3-3162222 / Linkou BMO/R/ Lab, Tel +286-3-365303102

Wasdicon Mr Wee Ya Lab & Read Office, Tel +286-3-316222 / Linkou BMO/R/ Lab & Read Office, Tel +286-3-316222 / Linkou BMO

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