

# Antenna Specification

## General Description

The Single band PCB antenna have 3 sets print antenna specifically For CardBus . Application for operation In 2.4 GHz bands.

Notes: The Antenna type is PCB and smart antenna just a marketing name.

## Features

- 1) Operating frequencies: 2.4 - 2.4835GHz for IEEE802.11b/g
- 2) Applications
- 3) Frequency range: 2.4 - 2.835GHz
- 4) VSWR: 2: 1
- 5) Gain: OMNI (Center)/ Max 1.69dBi  
Right+OMNI/ Max 1.51dBi  
Left+OMNI/ Max 3.74dBi

Advance Data Technology Corporation **誠信科技股份有限公司**



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Tel (03) 327-0910 Fax (03) 327-0892

Tel (03) 593-5343 Fax (03) 593-5342

Brand / Model : WCB-321A

Remark : ONMI-ANT

Tested by : DYLAN

EUT description :

Location: **RF Chamber3**

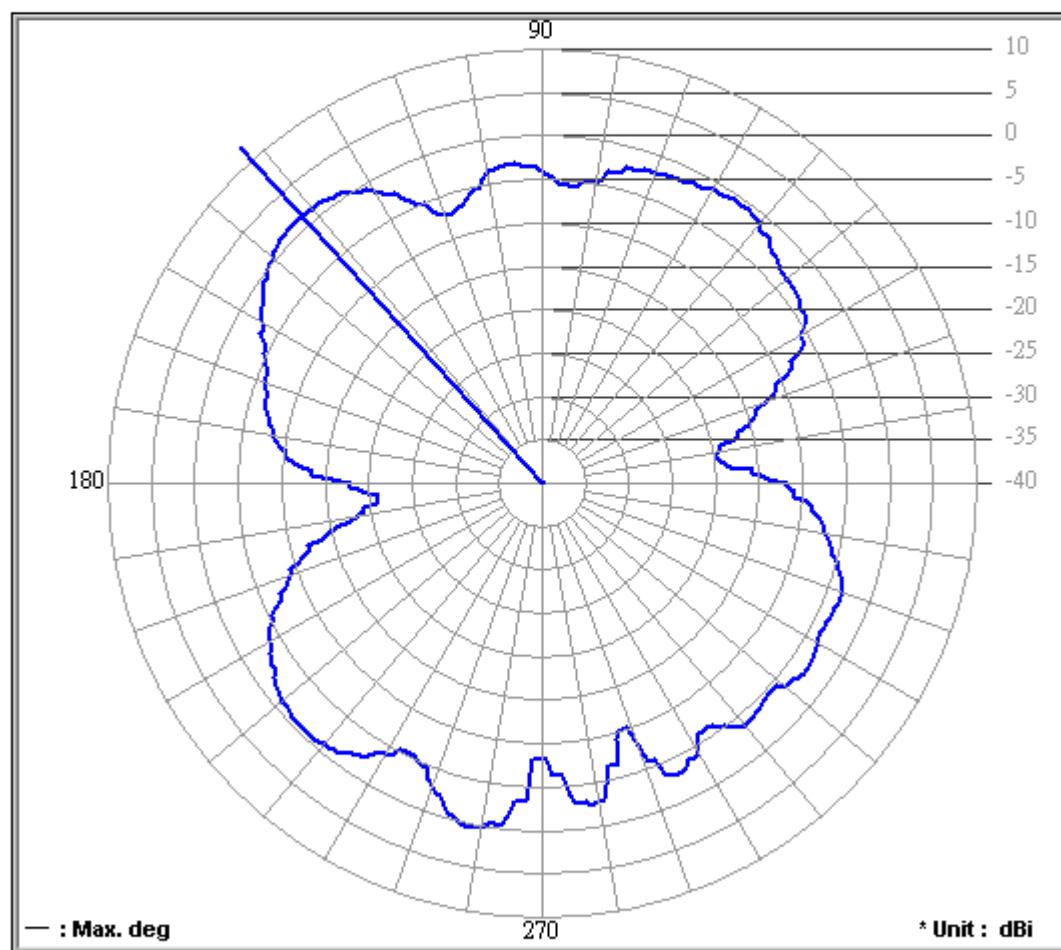
Date: **2005/11/29**

Time: **19:56:39**

Temperaturer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz): **2472.00**      Antenna Polarity: **Horizontal**      Average Value (dB): **-3.55**

Maximum Value (dB): **1.41**      Maximum Value (degree): **132**

Minimum Value (dB): **-21.04**      Minimum Value (degree): **184**

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EUT description :

Location: **RF Chamber3**

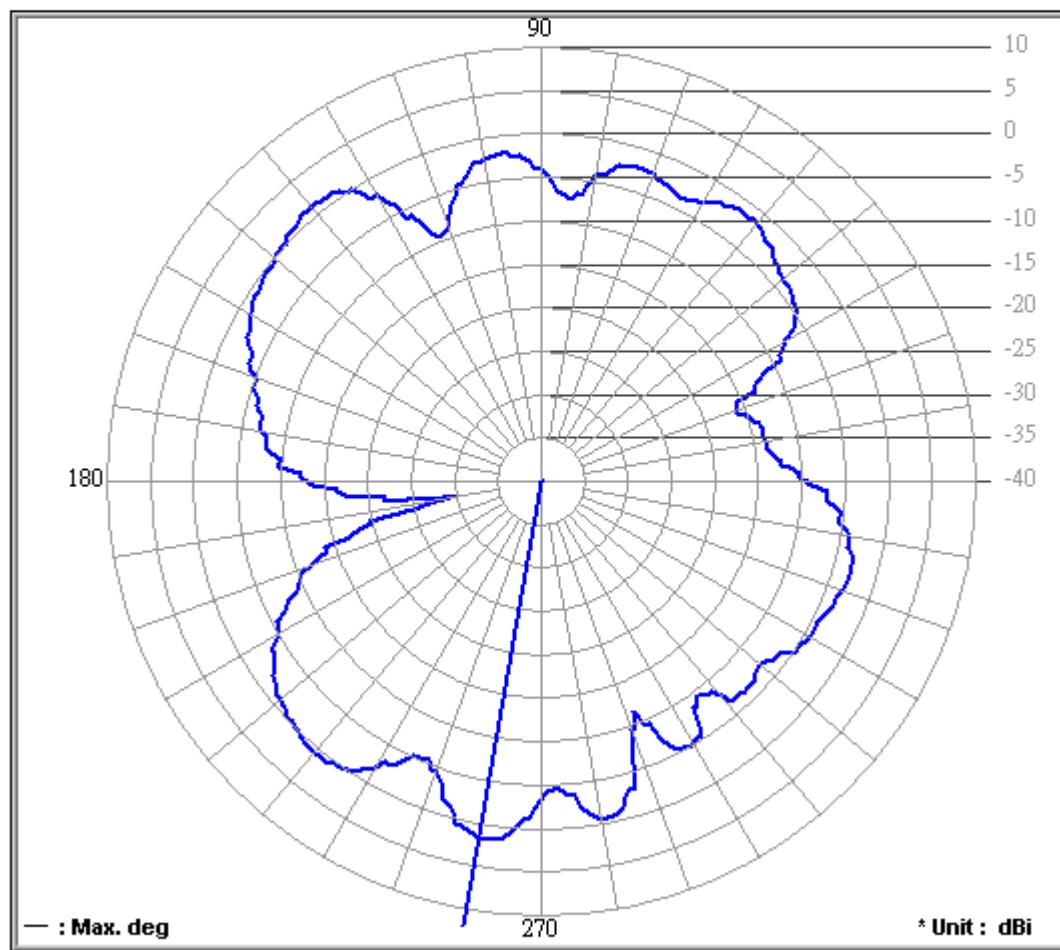
Date: **2005/11/29**

Time: **19:54:58**

Temperaturer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz): **2412.00** Antenna Polarity: **Horizontal** Average Value (dB): **-3.40**

Maximum Value (dB): **1.69** Maximum Value (degree): **260**

Minimum Value (dB): **-30.21** Minimum Value (degree): **190**

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Brand / Model : WCB-321A

Remark : RIGHT+OMNI

Tested by : DYLAN

EUT description :

Location: **RF Chamber3**

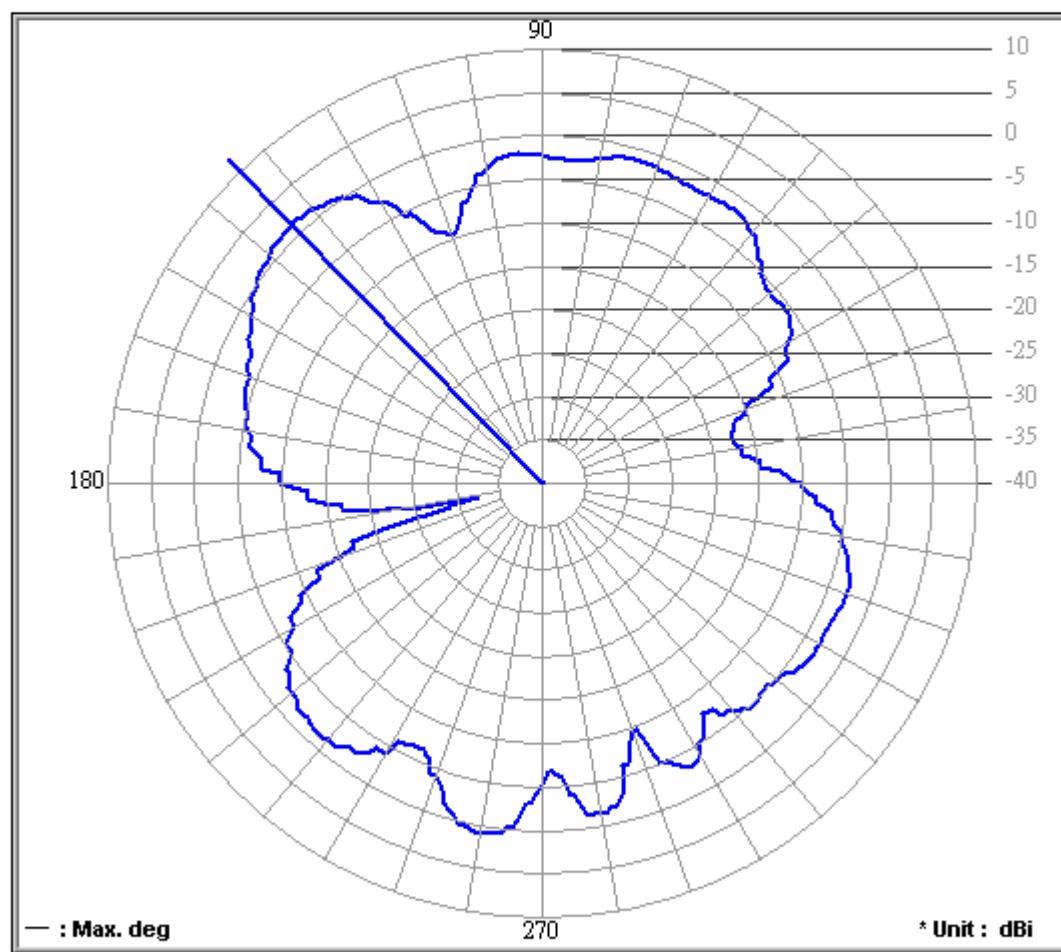
Date: **2005/11/29**

Time: **20:07:31**

Temperaturer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz): **2472.00** Antenna Polarity: **Horizontal** Average Value (dB): **-3.51**

Maximum Value (dB): **1.51** Maximum Value (degree): **134**

Minimum Value (dB): **-32.47** Minimum Value (degree): **192**

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Brand / Model : WCB-321A

Remark : RIGHT+OMNI

Tested by : DYLAN

EUT description :

Location: **RF Chamber3**

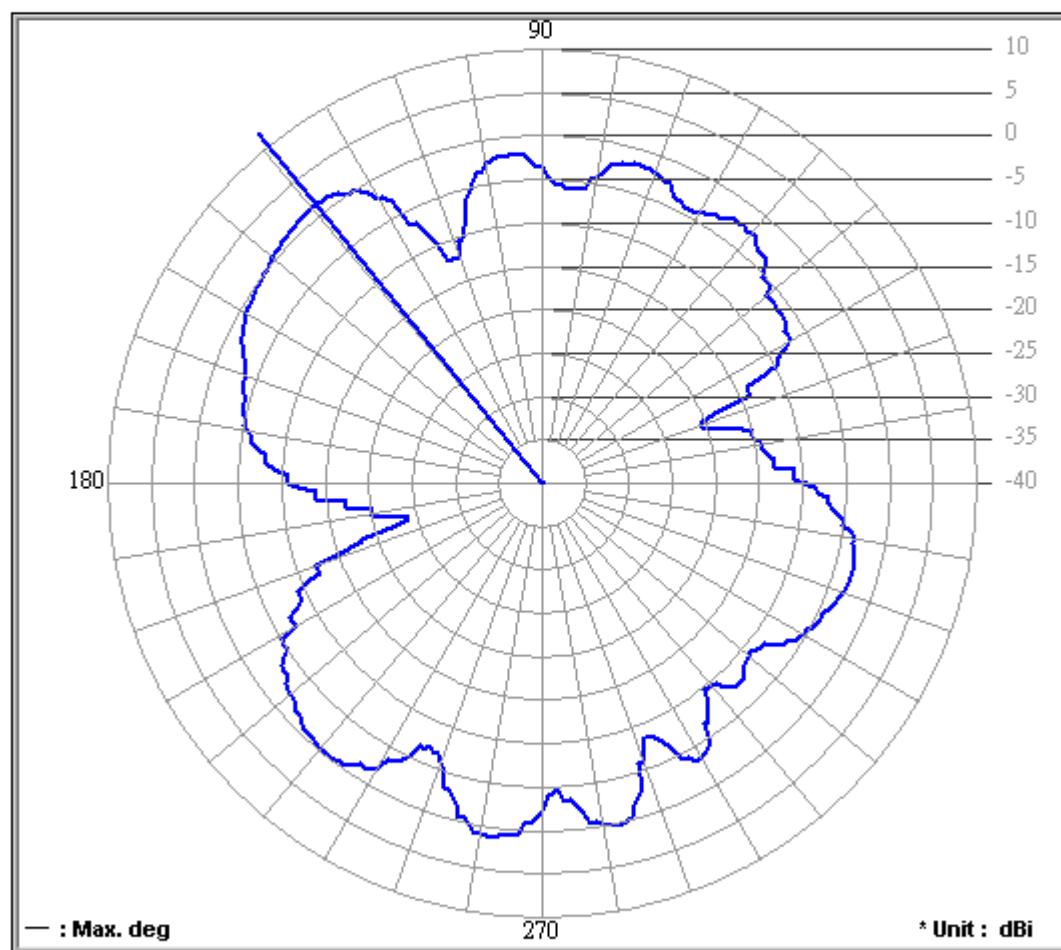
Date: **2005/11/29**

Time: **20:05:11**

Temperaturer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz): **2412.00**      Antenna Polarity: **Horizontal**      Average Value (dB): **-3.54**

Maximum Value (dB): **1.41**      Maximum Value (degree): **129**

Minimum Value (dB): **-24.09**      Minimum Value (degree): **193**

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Brand / Model : WCB-321A

Remark : LEFT+OMNI

Tested by : DYLAN

EUT description :

Location: **RF Chamber3**

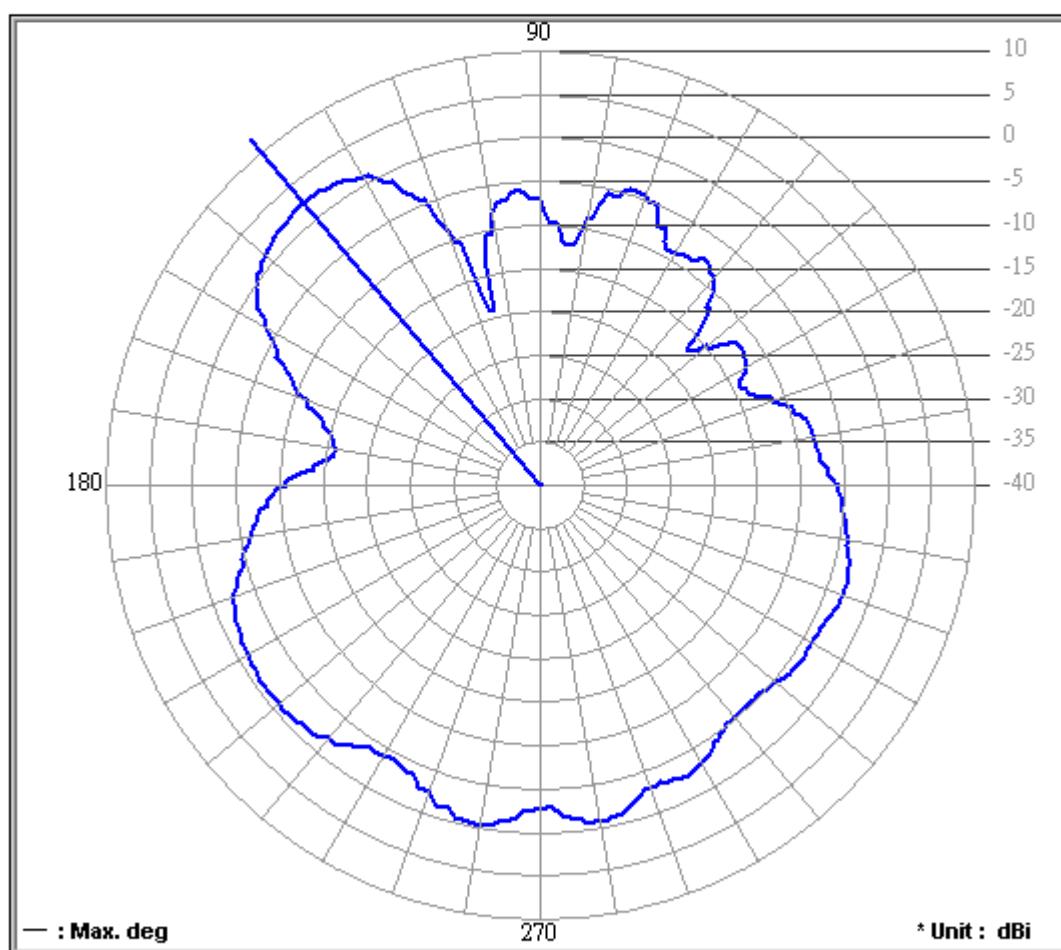
Date: **2005/11/29**

Time: **19:59:48**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz): **2472.00** Antenna Polarity: **Horizontal** Average Value (dB): **-3.51**

Maximum Value (dB): **2.45** Maximum Value (degree): **130**

Minimum Value (dB): **-19.21** Minimum Value (degree): **105**

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Brand / Model : WCB-321A

Remark : LEFT+OMNI

Tested by : DYLAN

EUT description :

Location: RF Chamber3

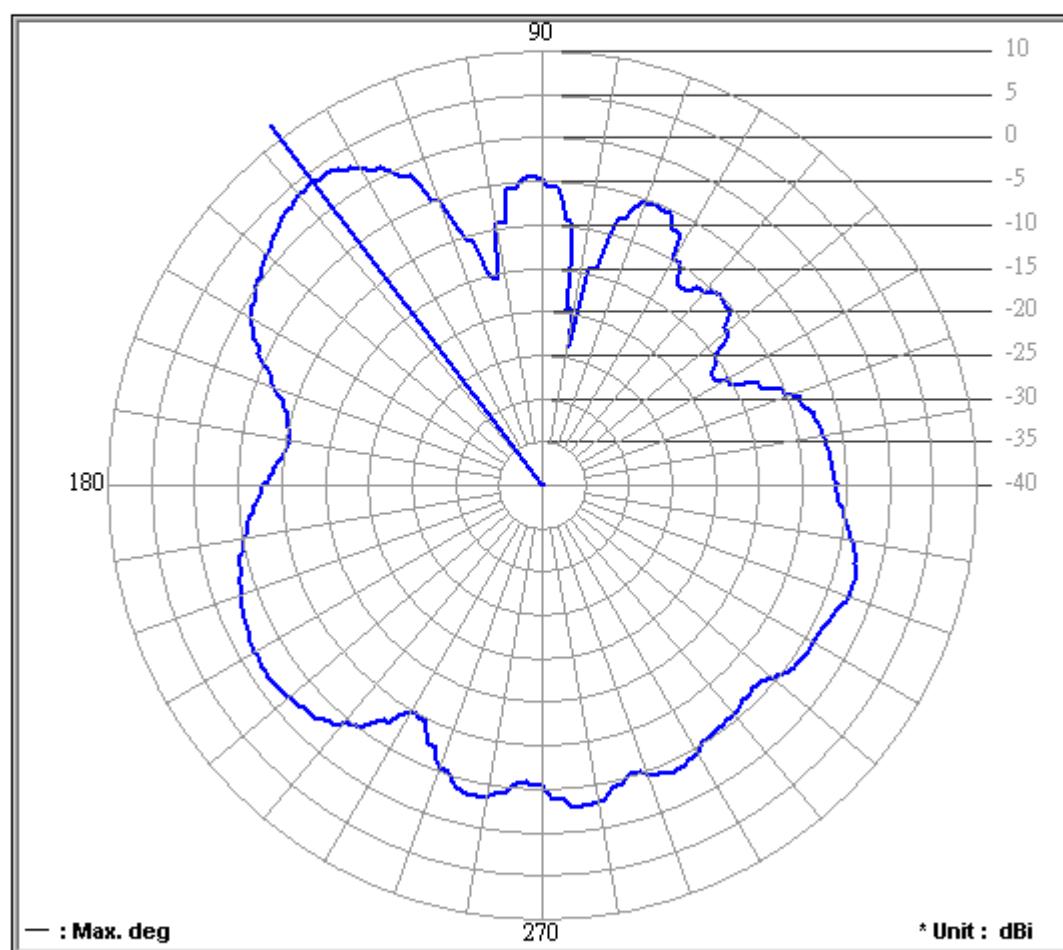
Date: 2005/11/29

Time: 20:04:30

Temperatuer (°C): 25

Humidity (%): 75

Approved by:



Frequency (MHz): 2412.00 Antenna Polarity: Horizontal Average Value (dB): -3.78

Maximum Value (dB): 3.74 Maximum Value (degree): 127

Minimum Value (dB): -23.81 Minimum Value (degree): 79

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