

# WUB-221A antenna Specification

## General Description

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

## 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: ONMI(Center)/ Max 2.45dBi

Right+OMNI / Max 2.73dBi

Left+OMNI / Max 4.94dBi



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Tel (886) 593-5343 Fax (886) 593-5342

Brand / Model : ASP-200

Remark : O-ANT

Tested by : DYLAN

EUT description :

Location: **RF Chamber3**

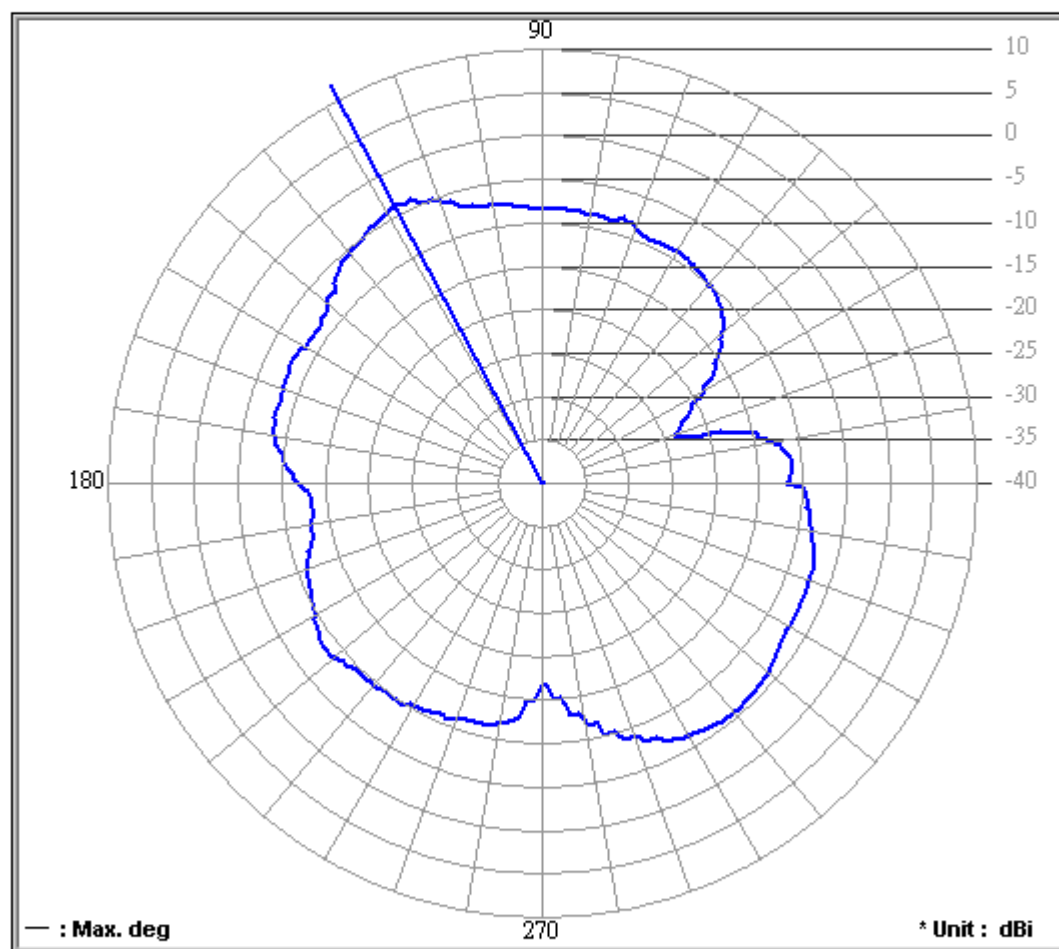
Date: **2005/11/28**

Time: **10:11:27**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz): **2472.00**

Antenna Polarity : **Horizontal**

Average Value (dB) : **-8.72**

Maximum Value (dB) : **-3.82**

Maximum Value (degree) : **118**

Minimum Value (dB) : **-23.70**

Minimum Value (degree) : **19**

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Brand / Model : ASP-200  
Remark : O-ANT  
Tested by : DYLAN  
EUT description :

Location: **RF Chamber3**

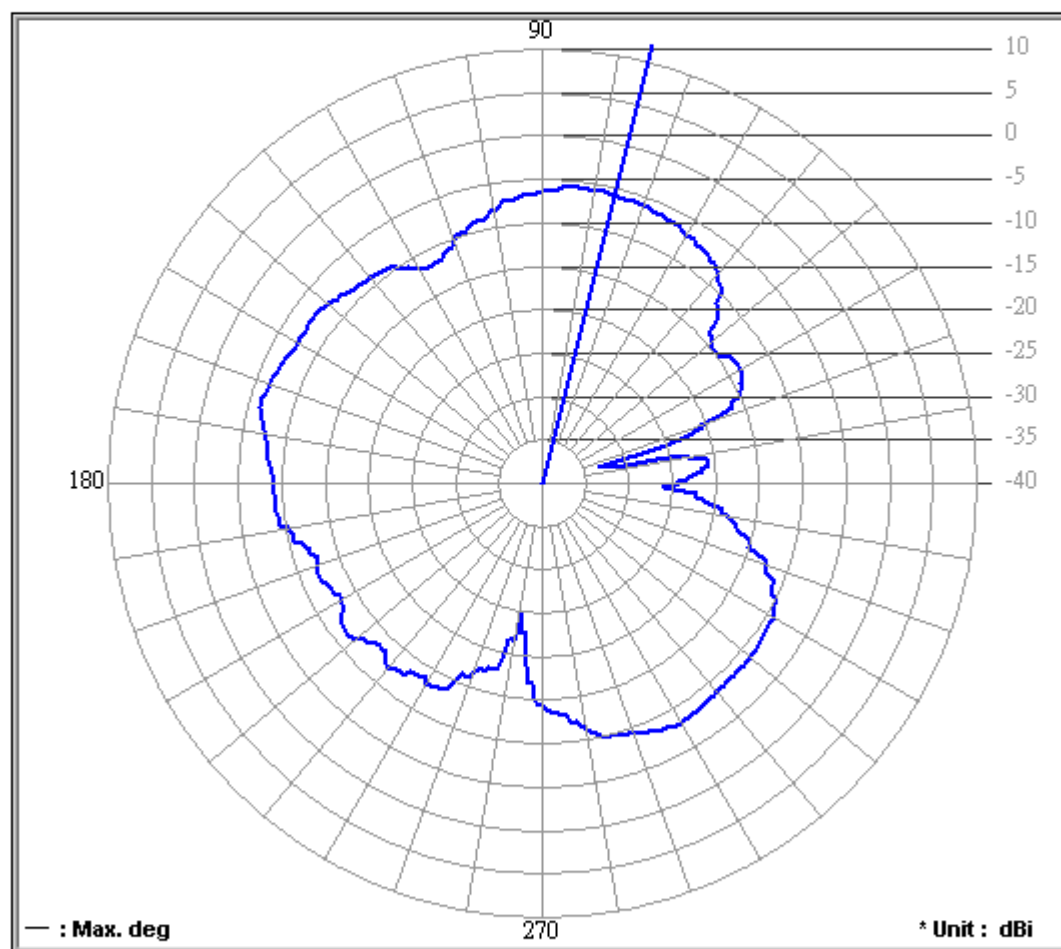
Date: **2005/11/28**

Time: **10:09:33**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz): **2412.00**

Antenna Polarity : **Horizontal**

Average Value (dB) : **-9.85**

Maximum Value (dB) : **-5.70**

Maximum Value (degree) : **76**

Minimum Value (dB) : **-33.17**

Minimum Value (degree) : **15**

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Remark : O-ANT

Tested by : DYLAN

EUT description :

Location: **RF Chamber3**

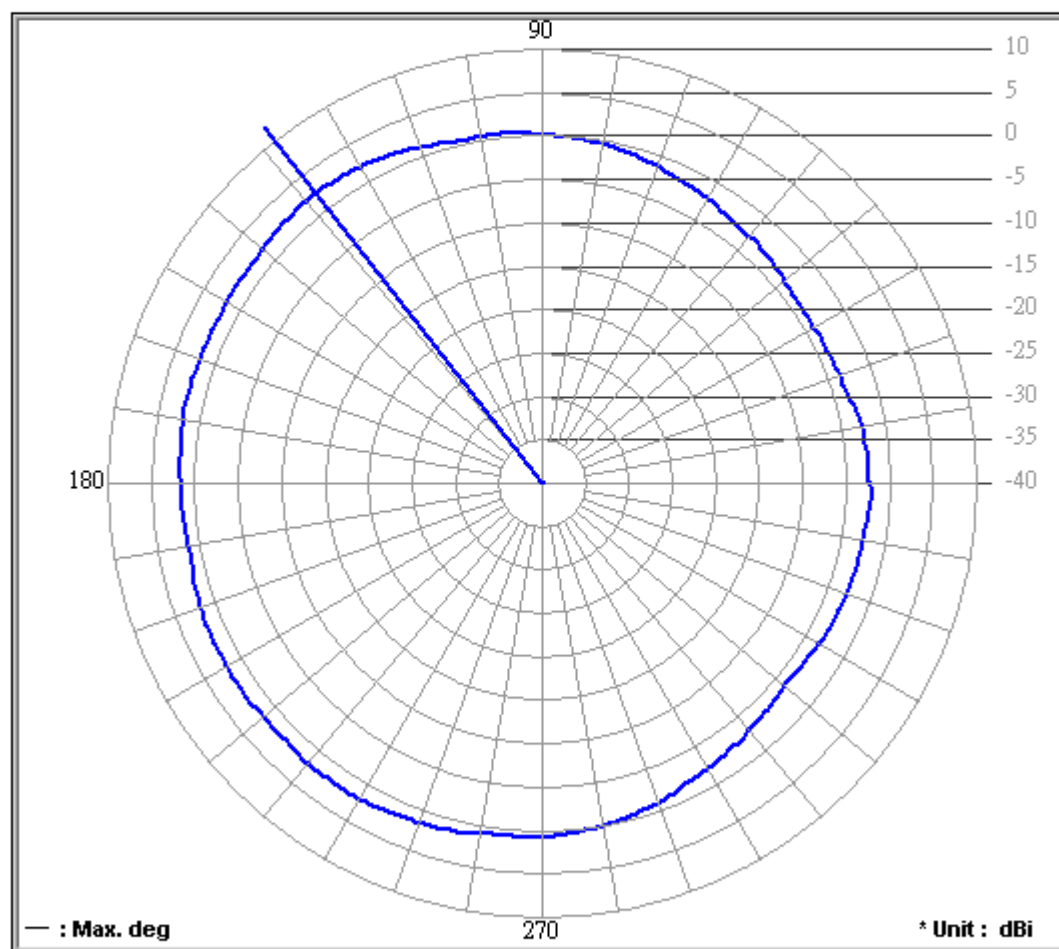
Date: **2005/11/28**

Time: **10:07:36**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz): **2412.00**

Antenna Polarity : **Vertical**

Average Value (dB) : **0.21**

Maximum Value (dB) : **2.45**

Maximum Value (degree) : **128**

Minimum Value (dB) : **-3.97**

Minimum Value (degree) : **33**

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Remark : O-ANT

Tested by : DYLAN

EUT description :

Location: **RF Chamber3**

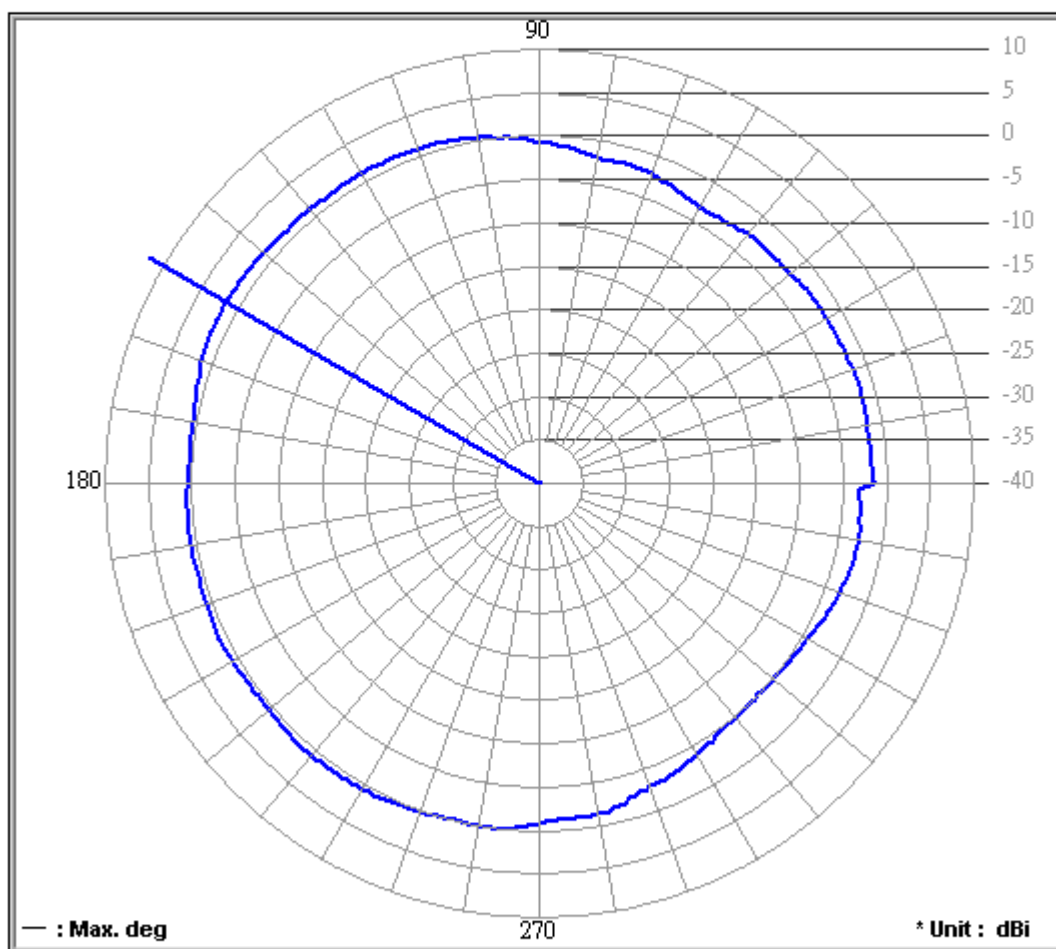
Date: **2005/11/28**

Time: **10:13:33**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz): **2472.00**

Antenna Polarity : **Vertical**

Average Value (dB) : **-0.59**

Maximum Value (dB) : **1.64**

Maximum Value (degree) : **150**

Minimum Value (dB) : **-5.01**

Minimum Value (degree) : **316**

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Brand / Model : ASP-200

Remark : R+O-ANT

Tested by : DYLAN

EUT description :

Location: **RF Chamber3**

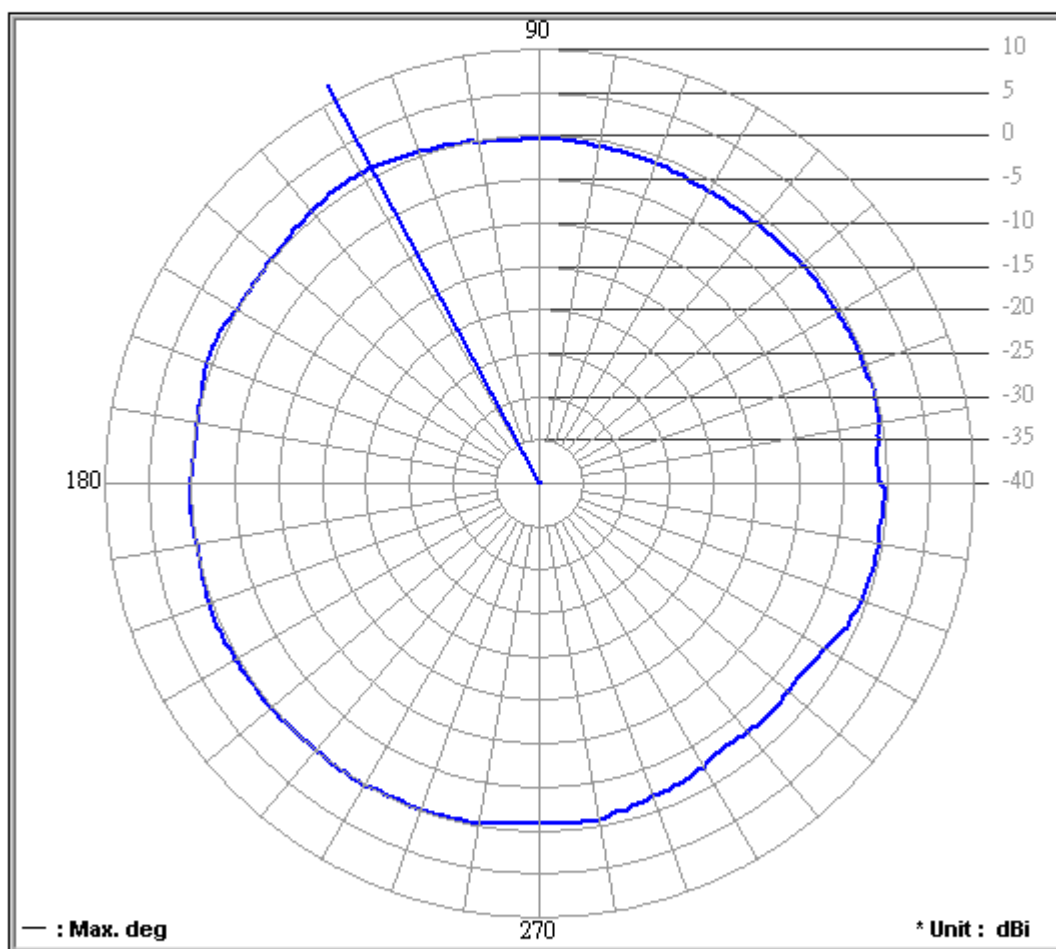
Date: **2005/11/28**

Time: **09:55:33**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz): **2472.00**

Antenna Polarity : **Vertical**

Average Value (dB) : **-0.33**

Maximum Value (dB) : **1.21**

Maximum Value (degree) : **118**

Minimum Value (dB) : **-2.88**

Minimum Value (degree) : **306**

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Brand / Model : ASP-200

Remark : R+O-ANT

Tested by : DYLAN

EUT description :

Location: **RF Chamber3**

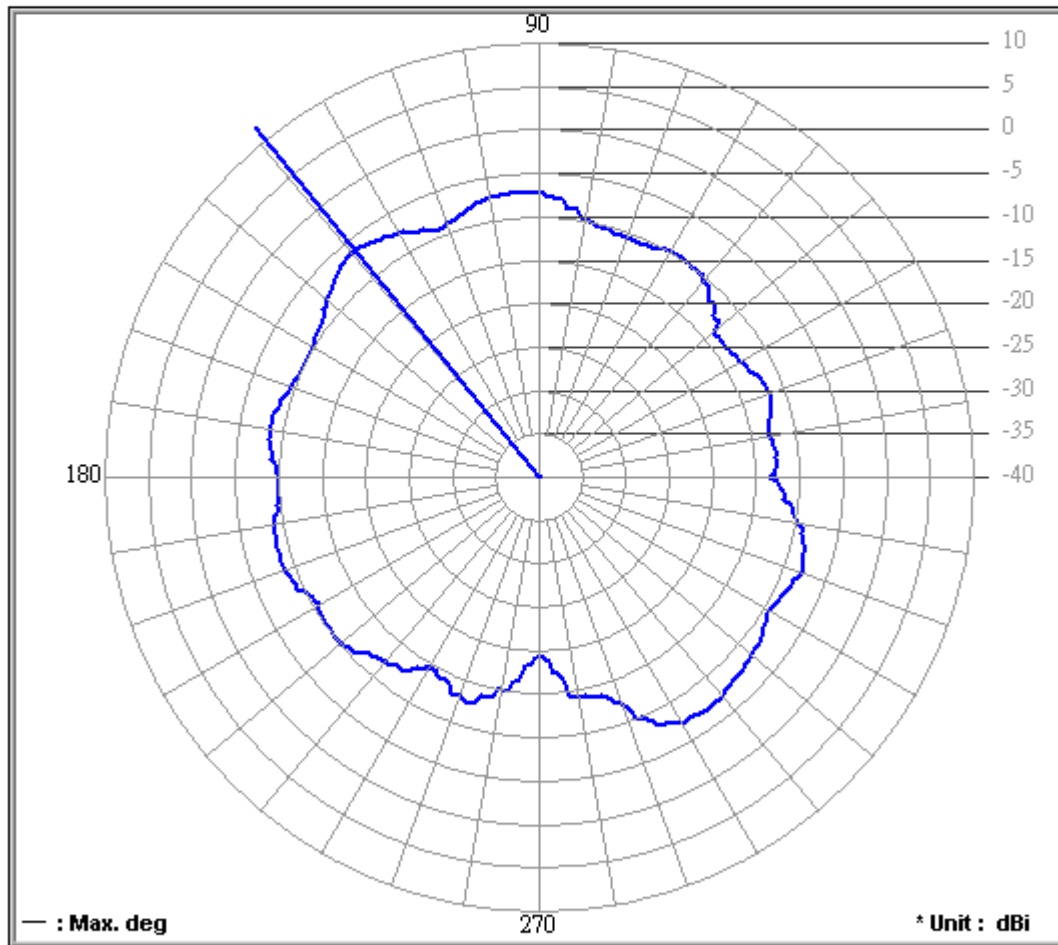
Date: **2005/11/28**

Time: **09:53:13**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz): **2472.00**

Antenna Polarity : **Horizontal**

Average Value (dB) : **-9.80**

Maximum Value (dB) : **-6.31**

Maximum Value (degree) : **129**

Minimum Value (dB) : **-19.34**

Minimum Value (degree) : **269**

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Brand / Model : ASP-200  
Remark : R+O-ANT  
Tested by : DYLAN  
EUT description :

Location: **RF Chamber3**

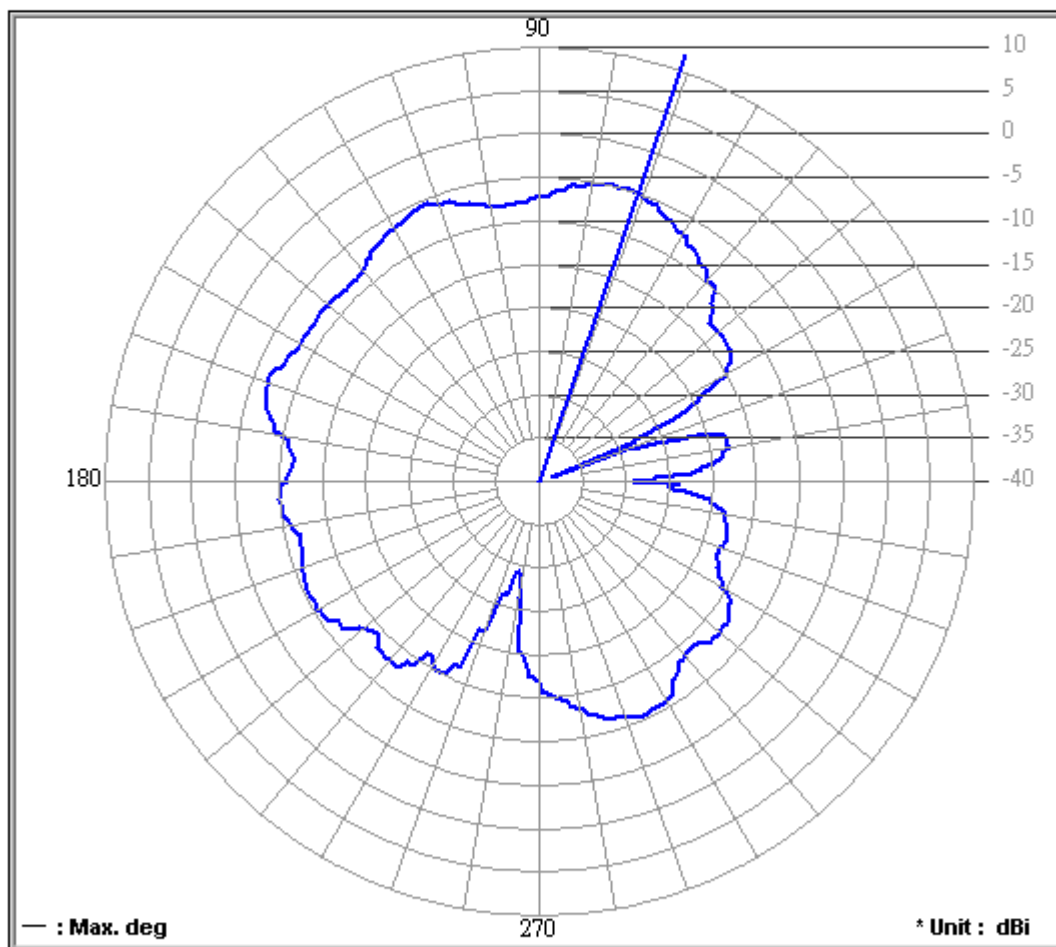
Date: **2005/11/28**

Time: **09:49:44**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz): **2412.00**

Antenna Polarity : **Horizontal**

Average Value (dB): **-10.21**

Maximum Value (dB): **-4.86**

Maximum Value (degree): **71**

Minimum Value (dB): **-38.56**

Minimum Value (degree): **21**

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Tel (886) 593-5343 Fax (886) 593-5342

Brand / Model : ASP-200  
Remark : R+O-ANT  
Tested by : DYLAN  
EUT description :

Location: **RF Chamber3**

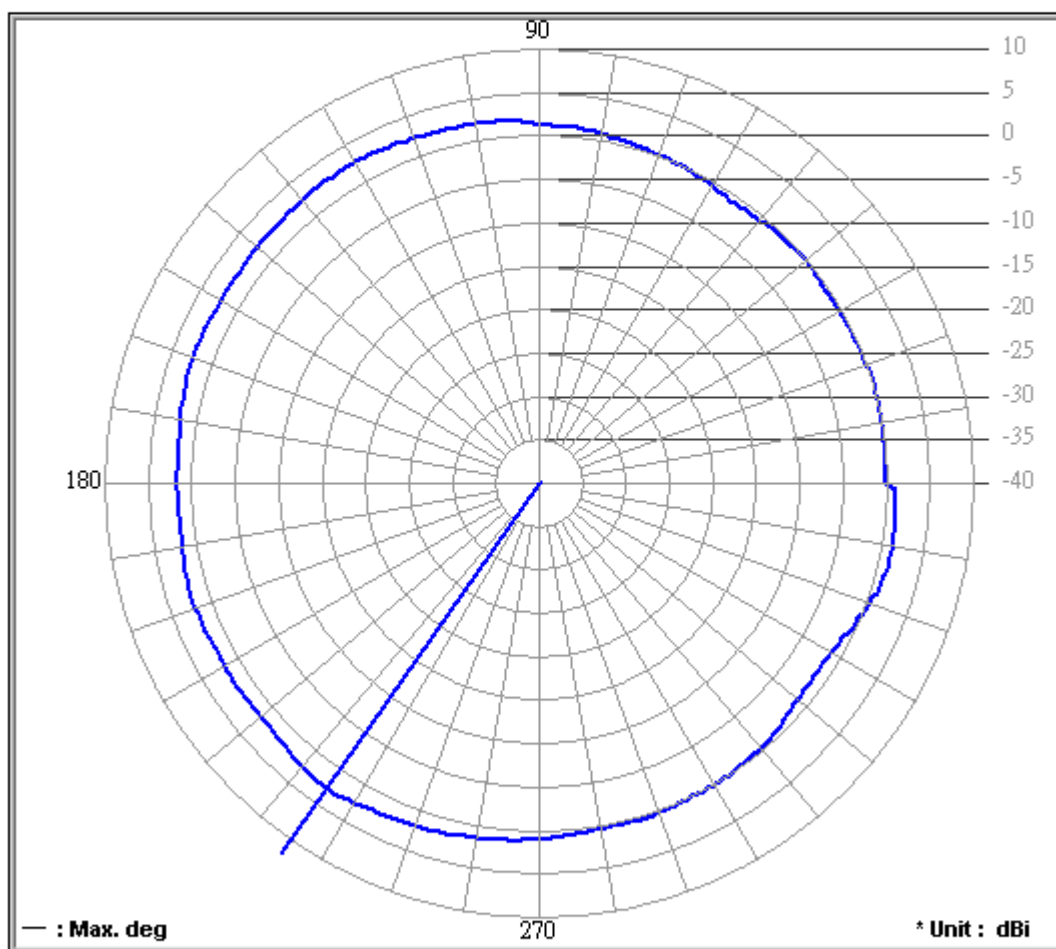
Date: **2005/11/28**

Time: **09:46:56**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz): **2412.00**

Antenna Polarity : **Vertical**

Average Value (dB) : **1.22**

Maximum Value (dB) : **2.73**

Maximum Value (degree) : **235**

Minimum Value (dB) : **-1.38**

Minimum Value (degree) : **325**

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Tel (886) 593-5343 Fax (886) 593-5342

Brand / Model : ASP-200

Remark : L+O-ANT

Tested by : DYLAN

EUT description :

Location: **RF Chamber3**

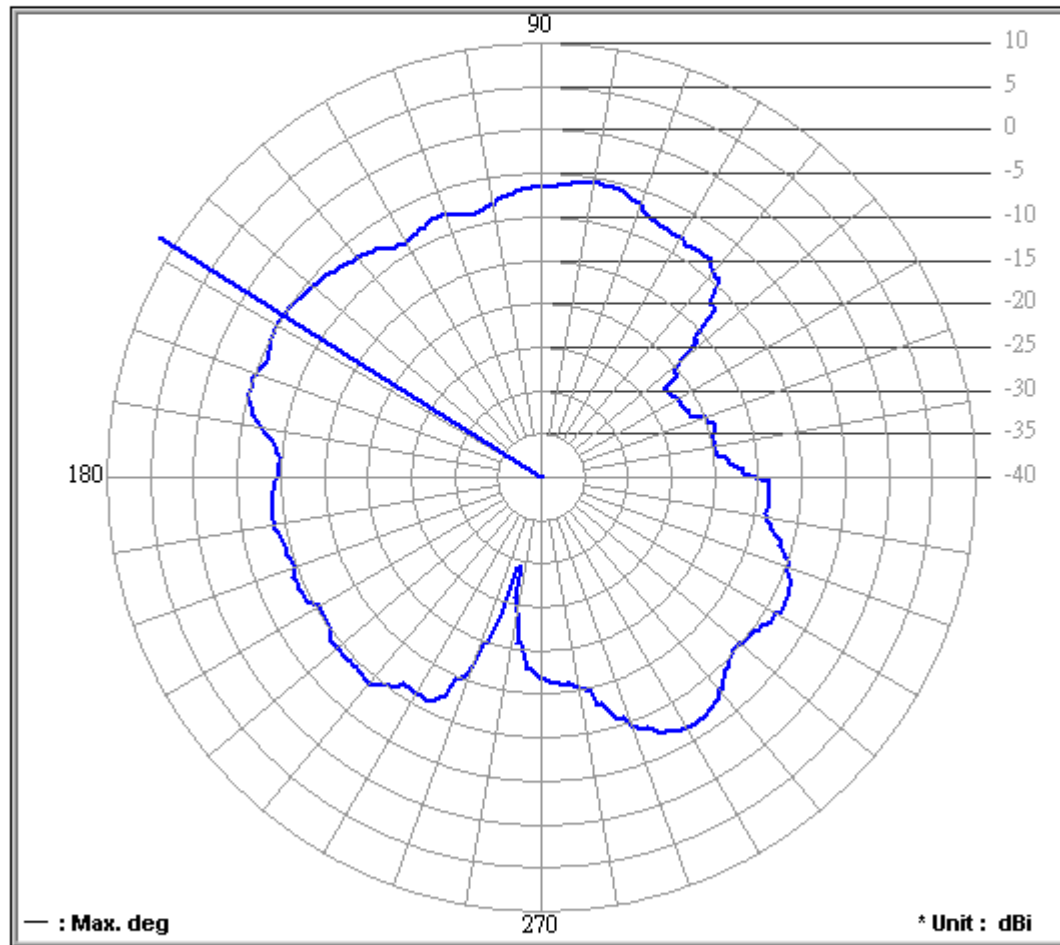
Date: **2005/11/28**

Time: **10:02:40**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz): **2412.00**

Antenna Polarity : **Horizontal**

Average Value (dB): **-9.06**

Maximum Value (dB): **-4.89**

Maximum Value (degree): **148**

Minimum Value (dB): **-29.67**

Minimum Value (degree): **257**

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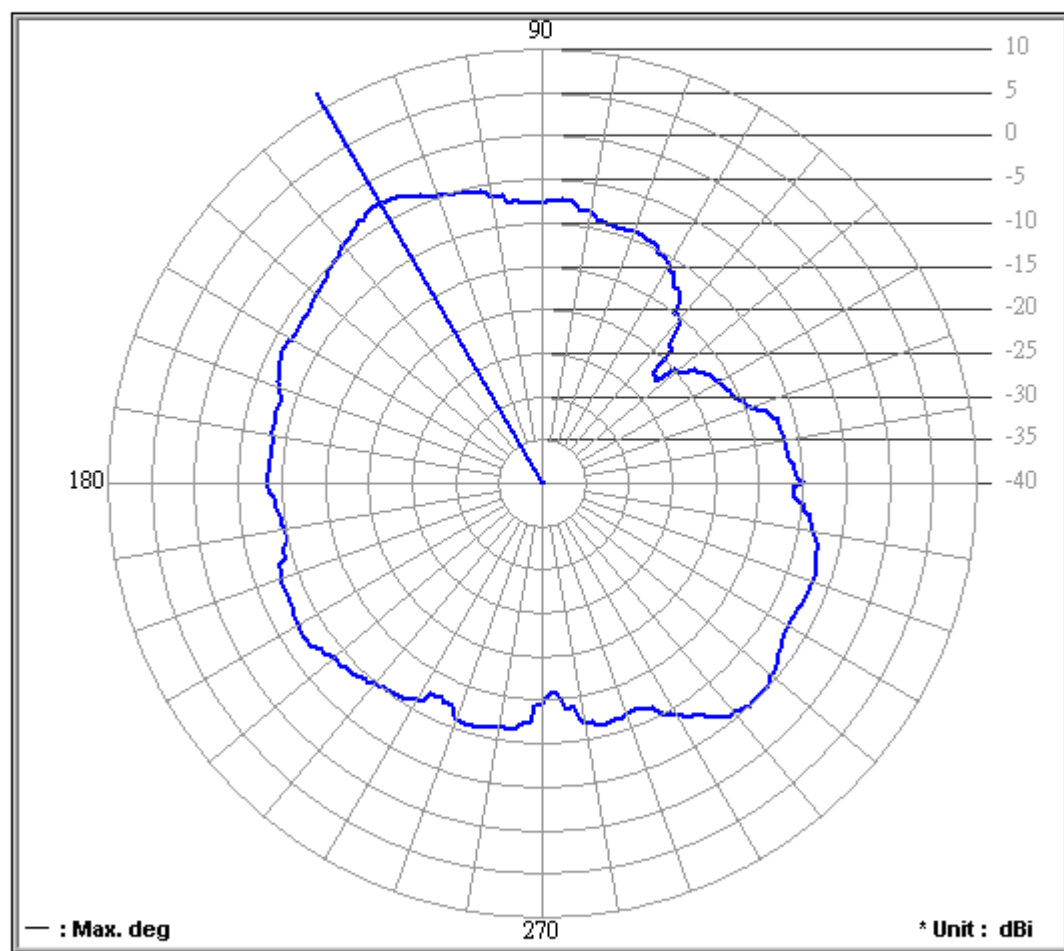


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Tel (886) 593-5343 Fax (886) 593-5342

Brand / Model : ASP-200  
Remark : L+O-ANT  
Tested by : DYLAN  
EUT description :

Location: **RF Chamber3**                      Date: **2005/11/28**                      Time: **10:00:50**  
Temperatuer (°C): **25**                      Humidity (%): **75**                      Approved by:



Frequency (MHz): **2472.00**                      Antenna Polarity : **Horizontal**                      Average Value (dB) : **-8.22**  
Maximum Value (dB) : **-2.65**                      Maximum Value (degree) : **120**  
Minimum Value (dB) : **-22.28**                      Minimum Value (degree) : **42**

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Brand / Model : ASP-200  
Remark : L+O-ANT  
Tested by : DYLAN  
EUT description :

Location: **RF Chamber3**

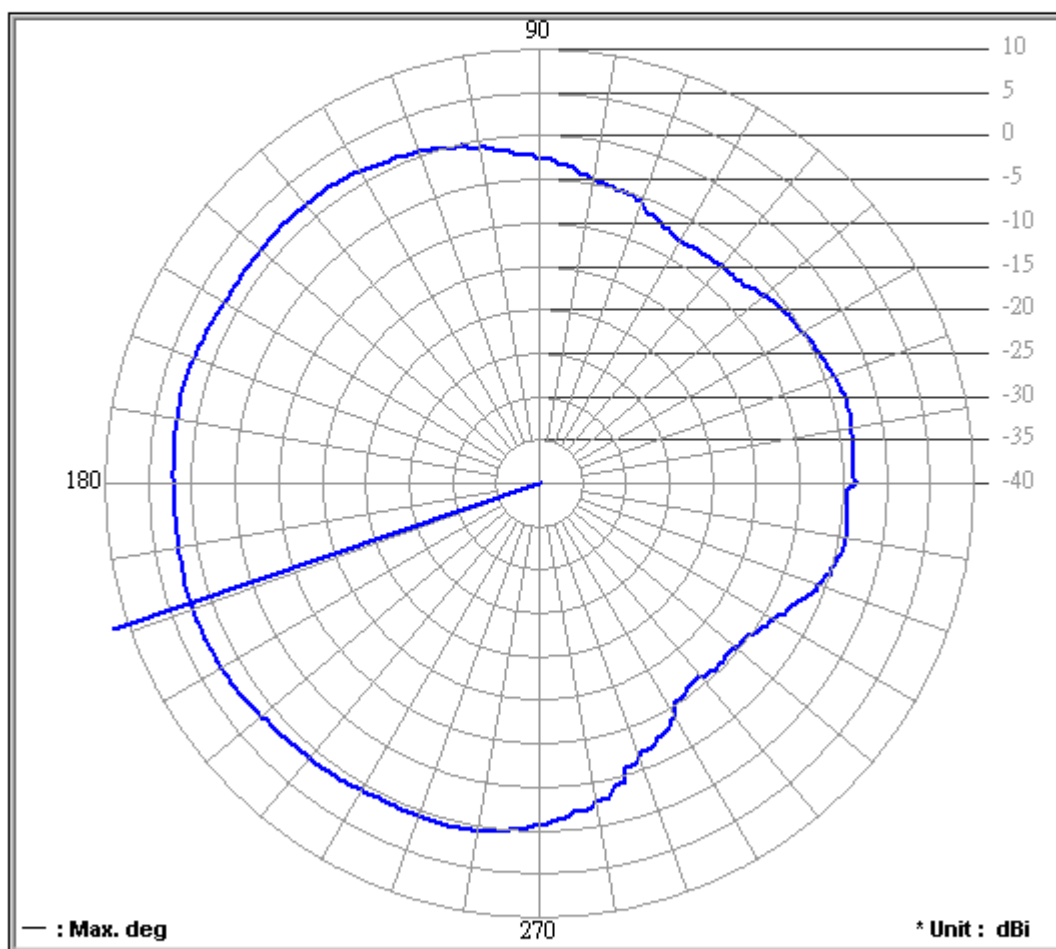
Date: **2005/11/28**

Time: **09:58:48**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz): **2472.00**

Antenna Polarity : **Vertical**

Average Value (dB) : **-0.72**

Maximum Value (dB) : **2.43**

Maximum Value (degree) : **199**

Minimum Value (dB) : **-11.13**

Minimum Value (degree) : **309**

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Brand / Model : ASP-200

Remark : L+O-ANT

Tested by : DYLAN

EUT description :

Location: **RF Chamber3**

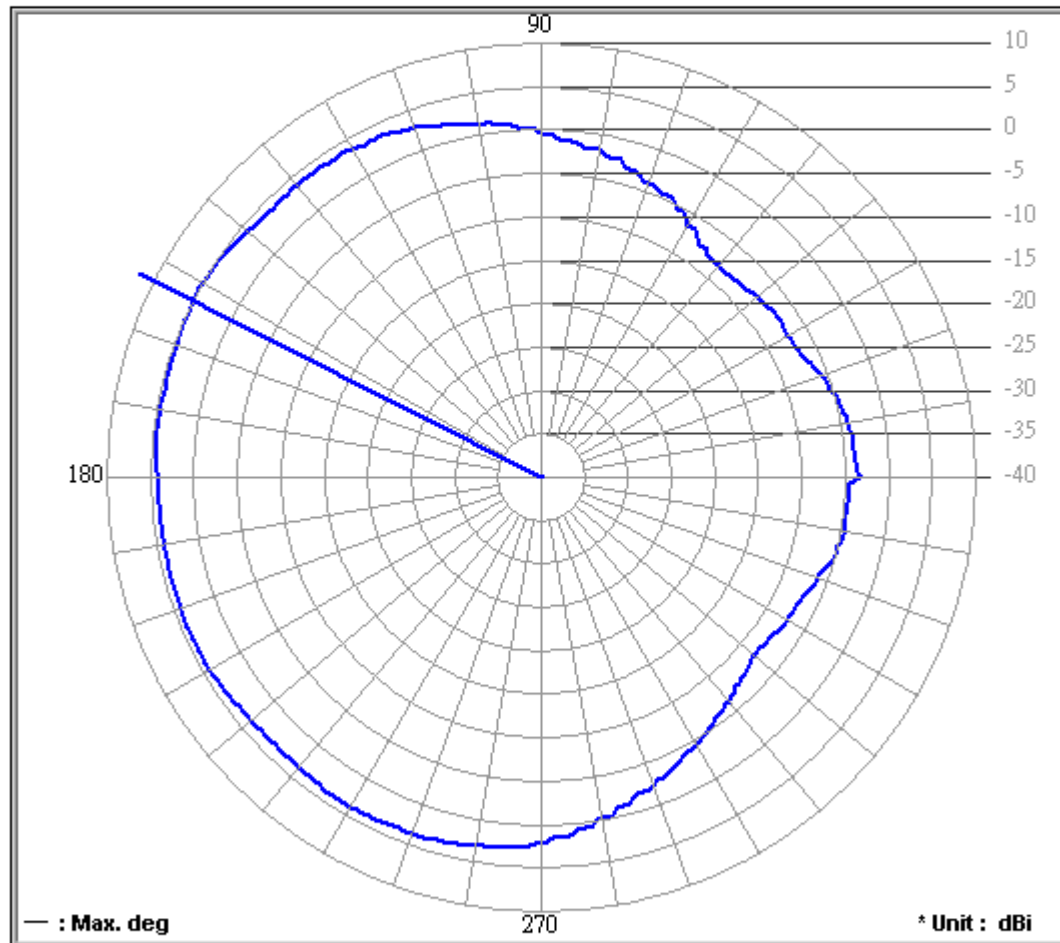
Date: **2005/11/28**

Time: **10:04:33**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz): **2412.00**

Antenna Polarity : **Vertical**

Average Value (dB): **1.38**

Maximum Value (dB): **4.94**

Maximum Value (degree): **153**

Minimum Value (dB): **-8.26**

Minimum Value (degree): **47**

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