

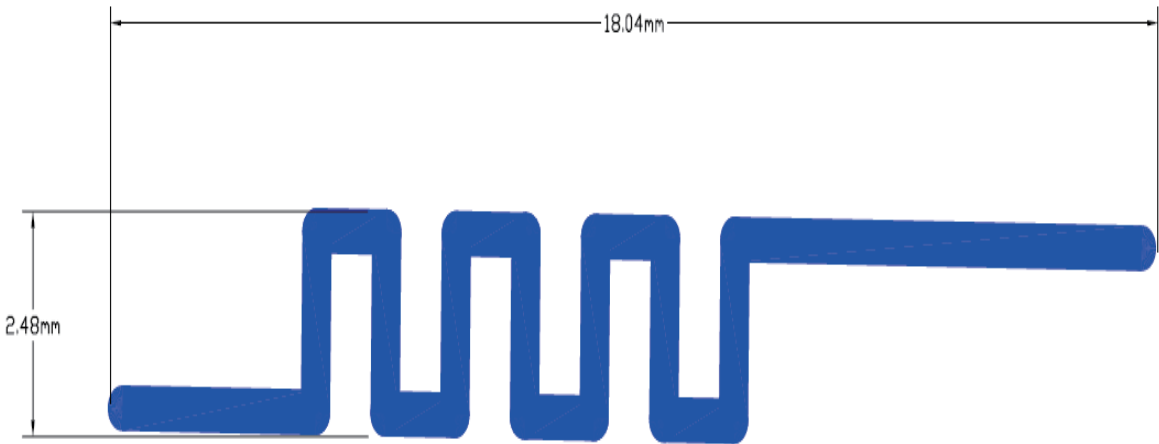
Antenna Specification

Specifications

Summary

ITEM	SPEC.	
Brand	PERIXX	
Model Name	PERIMICE-821	
Center Frequency	2402 MHz 2441 MHz 2480 MHz	3.85 dBi 3.18 dBi 2.80 dBi
MAX. GAIN	3.85 dBi	
Polarization	Horizontal	
Azimuth Beam Pattern	Omni-directional	
Impedance	50 Ω	
Antenna type	PCB Antenna	
Manufacturer	Perixx Computer GmbH	
Add	Heerdter Landstrasse 189e 40549, Dusseldorf, Germany	

Antenna Photo & Length



1.Main antenna : 2402 MHz

1.1 Horizontal



Advance Data Technology Corporation

誠信科技股份有限公司

Hwa Ya Lab : No.19, Hwa Ya 2nd RD, Kieiklai, Taoyuan, Taiwan, R.O.C.

<http://www.adt.com.tw> E-mail: service@adt.com.tw

Taipei Lab : 13-1 Lane 19, Wei Shai 3rd St, Kieiklai, Taoyuan, Taiwan, R.O.C.

Tel (03) 318-3232 Fax (03) 318-5050

Hsichin Lab: 81-1 Lufbacking, 9th Lin, Wuling Tzuei, Chinglin, Hsichin, Taiwan, R.O.C.

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

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

Brand / Model : PERIMICE-821

Remark : E1

Tested by : SHELLY

EUT description :

Location: **RF Chamber3**

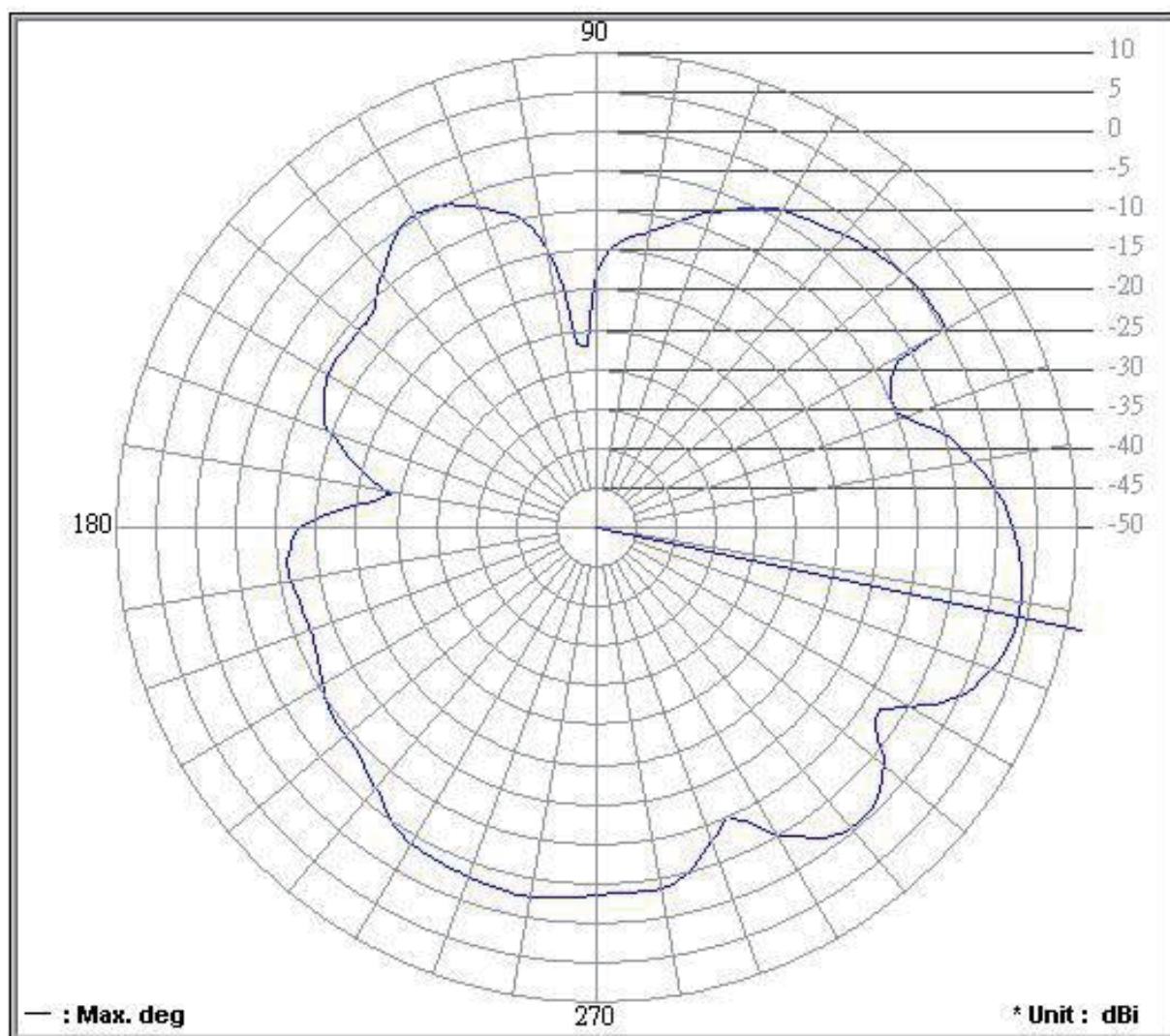
Date: **2015/05/08**

Time: **15:20:43**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz): **2402.00**

Antenna Polarity : **Horizontal**

Average Gain (dBi): **-3.64**

Maximum Gain (dBi): **3.85**

Maximum Gain (degree): **348**

Minimum Gain (dBi): **-27.08**

Minimum Gain (degree): **93**

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1.2 Vertical



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誠信科技股份有限公司

http://www.adt.com.tw/ E-mail: service@adt.com.tw

Hwa Ya Lab : No.19, Hwa Ya 2nd RD, Kieik kai, Taoyuan, Taiwan, R.O.C.

Tel (03) 318-3232 Fax (03) 318-5050

Taipei Lab : 13-1 Lane 19, Wei Shai 3rd St, Kieik kai, Taoyuan, Taiwan, R.O.C.

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

Brand / Model : PERIMICE-821

Remark : E1

Tested by : SHELLY

EUT description :

Location: **RF Chamber3**

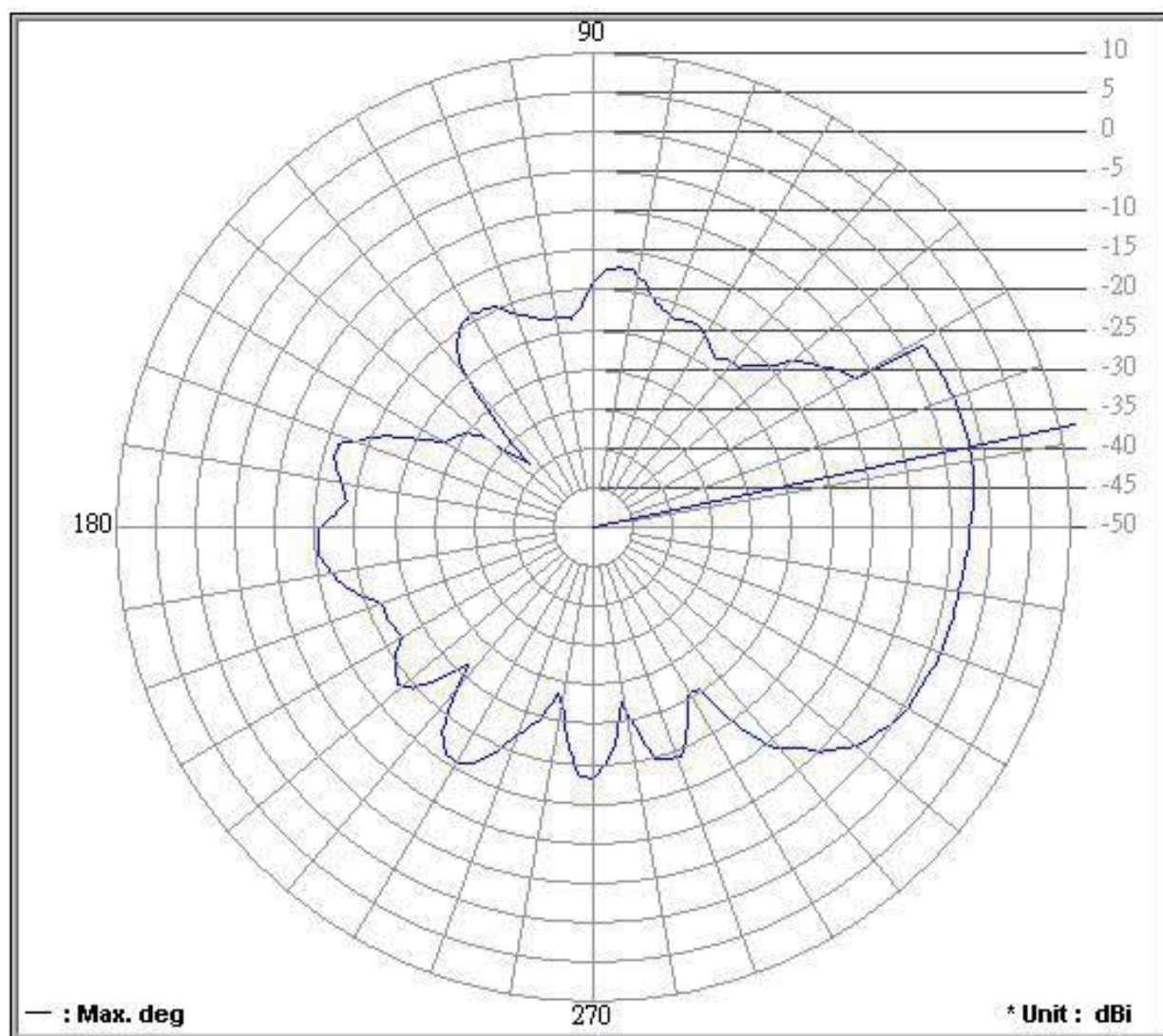
Date: **2015/05/08**

Time: **15:34:49**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz) : **2402.00**

Antenna Polarity : **Vertical**

Average Gain (dBi): **-9.57**

Maximum Gain (dBi): **-1.54**

Maximum Gain (degree): **12**

Minimum Gain (dBi): **-38.76**

Minimum Gain (degree): **135**

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2.Main antenna : 2441MHz

2.1 Horizontal



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<http://www.adt.com.tw/> E-mail: service@adt.com.tw

Hwa Ya Lab : No.19, Hwa Ya 2nd RD, Kieiklan, Taoyuan, Taiwan, R.O.C.

Tel (03) 318-3232 Fax (03) 318-5050

Tayuan Lab : 13-1 Lane 19, Wei Shan 3rd St, Kieiklan, Taoyuan, Taiwan, R.O.C.

Tel (03) 327-0910 Fax (03) 327-0882

Hsichin Lab: 81-1 Lailakeing, 9th Lla, Wuling Tseai, Chilinglin, Hsichin, Taiwan, R.O.C.

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

Brand / Model : PERIMICE-821

Remark : E1

Tested by : SHELLY

EUT description :

Location: **RF Chamber3**

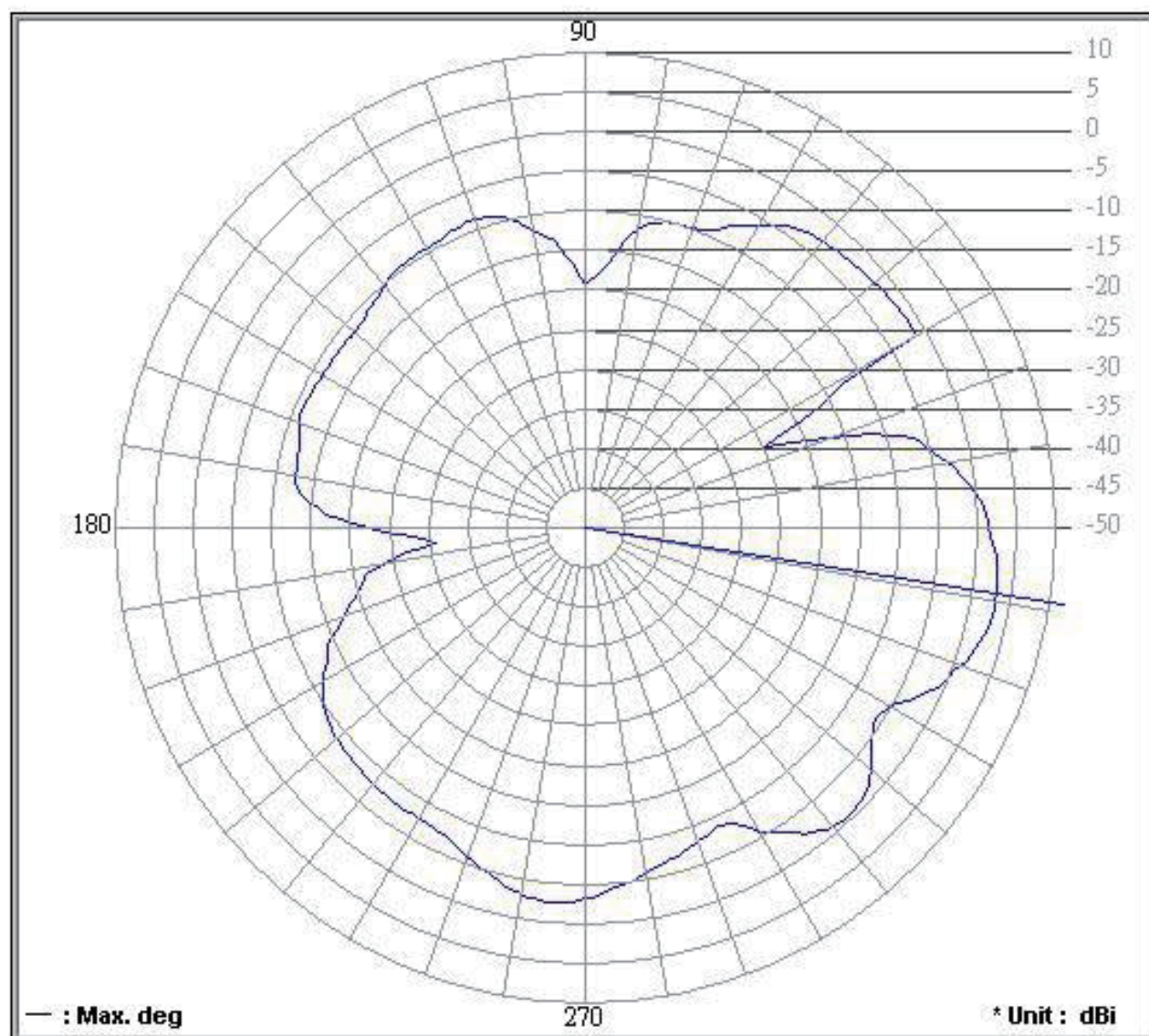
Date: **2015/05/08**

Time: **15:23:51**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz) : **2441.00**

Antenna Polarity : **Horizontal**

Average Gain (dBi): **-4.64**

Maximum Gain (dBi): **3.18**

Maximum Gain (degree): **351**

Minimum Gain (dBi): **-30.92**

Minimum Gain (degree): **186**

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2.2 Vertical



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http://www.adt.com.tw E-mail: service@adt.com.tw

Hwa Ya Lab: No.19, Hwa Ya 2nd RD, Kiekiang, Taoyuan, Taiwan, R.O.C.

Tel (03) 318-3232 Fax (03) 318-6060

Taipei Lab: 13-1 Lane 19, Wei Shai 3rd St, Kiekiang, Taoyuan, Taiwan, R.O.C.

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

Hsichui Lab: 81-1 Lidaokeng, 9th Ln, Wuling Tzuen, Chikunglin, Hsichui, Taiwan, R.O.C.

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

Brand / Model : PERIMICE-821

Remark : E1

Tested by : SHELLY

EUT description :

Location: **RF Chamber3**

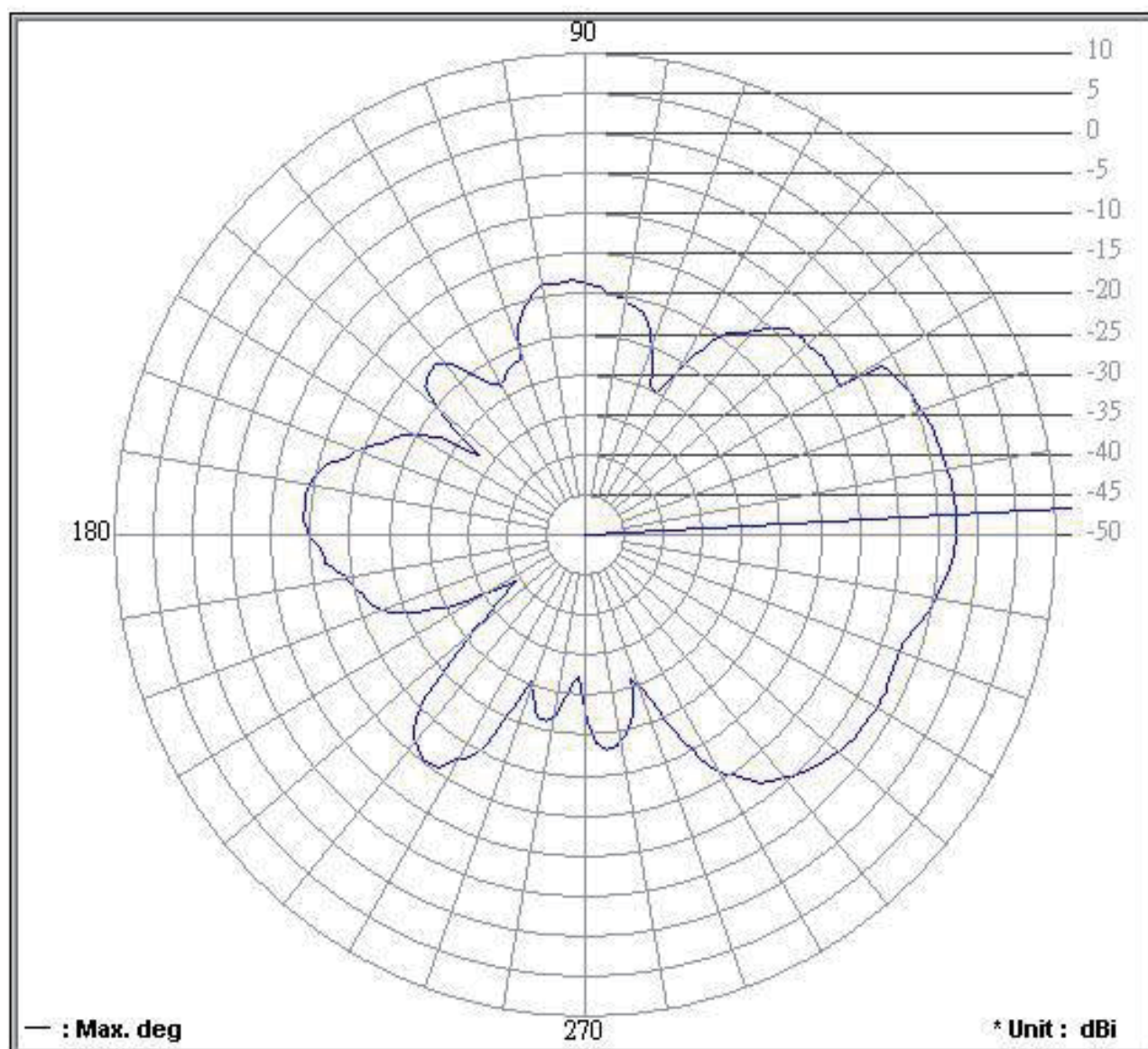
Date: **2015/05/08**

Time: **15:32:20**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz): **2441.00**

Antenna Polarity: **Vertical**

Average Gain (dBi): **-11.06**

Maximum Gain (dBi): **-2.58**

Maximum Gain (degree): **3**

Minimum Gain (dBi): **-39.35**

Minimum Gain (degree): **213**

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3.Main antenna : 2480 MHz

3.1 Horizontal



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http://www.adt.com.tw/ E-mail: service@adt.com.tw

Hwa Ya Lab : No.19, Hwa Ya 2nd RD, Kieki Kai, Taoyuan, Taiwan, R.O.C.

Tel (03) 318-3232 Fax (03) 318-5050

Tayuan Lab : 13-1 Lane 19, Wei Shai 3rd St, Kieki Kai, Taoyuan, Taiwan, R.O.C.

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Brand / Model : PERIMICE-821

Remark : E1

Tested by : SHELLY

EUT description :

Location: **RF Chamber3**

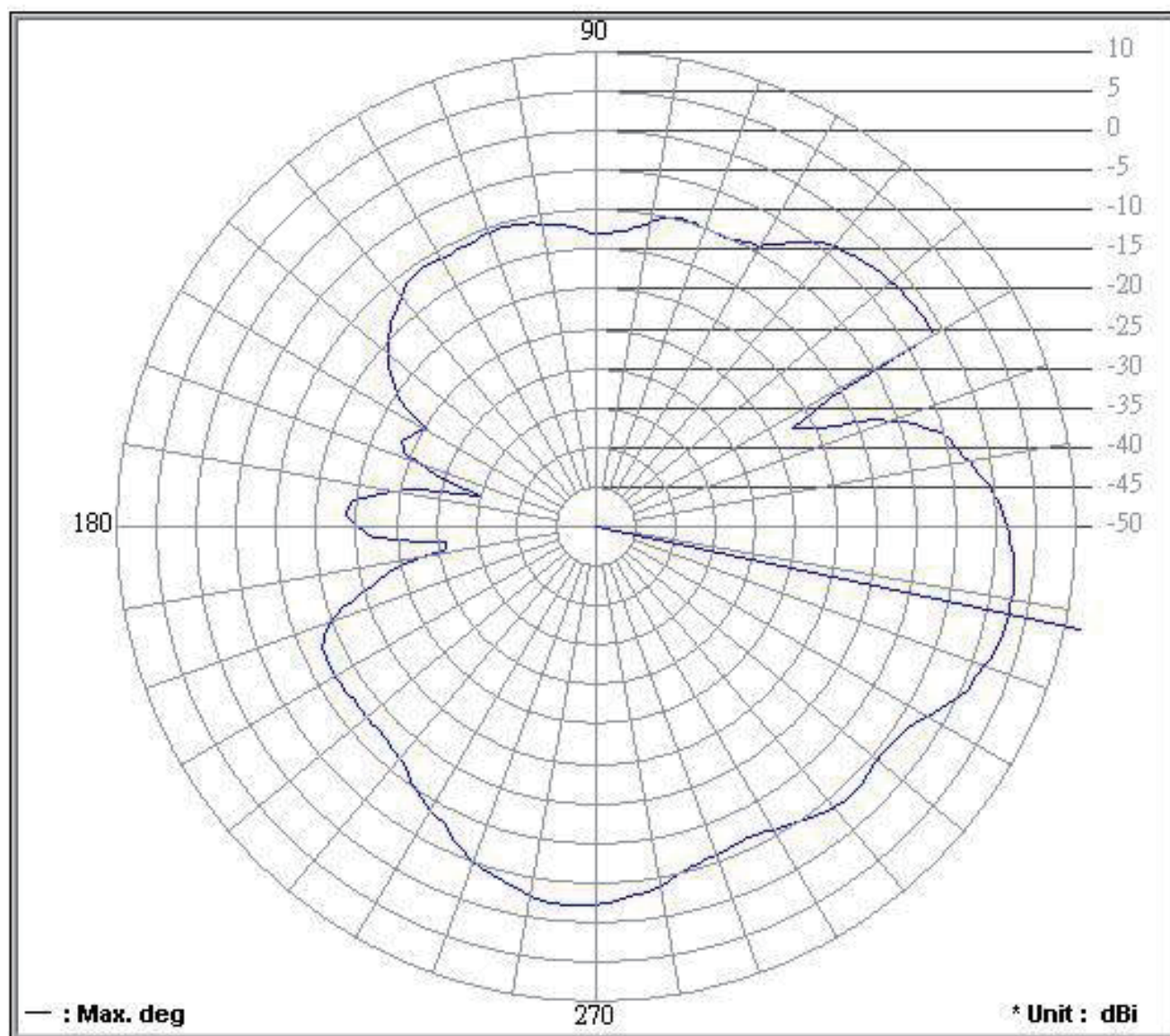
Date: **2015/05/08**

Time: **15:26:19**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz): **2480.00**

Antenna Polarity: **Horizontal**

Average Gain (dBi): **-4.84**

Maximum Gain (dBi): **2.80**

Maximum Gain (degree): **348**

Minimum Gain (dBi): **-34.80**

Minimum Gain (degree): **165**

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3.2 Vertical



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Hua Ya Lab : No.19, Hua Ya 2nd RD, Kieik kai, Taoyuan, Taiwan, R.O.C.

http://www.adt.com.tw E-mail: service@adt.com.tw

Taipei Lab : 13-1 Lane 19, Wei Shai 3rd St, Kieik kai, Taoyuan, Taiwan, R.O.C.

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Brand / Model : PERIMICE-821

Remark : E1

Tested by : SHELLY

EUT description :

Location: **RF Chamber3**

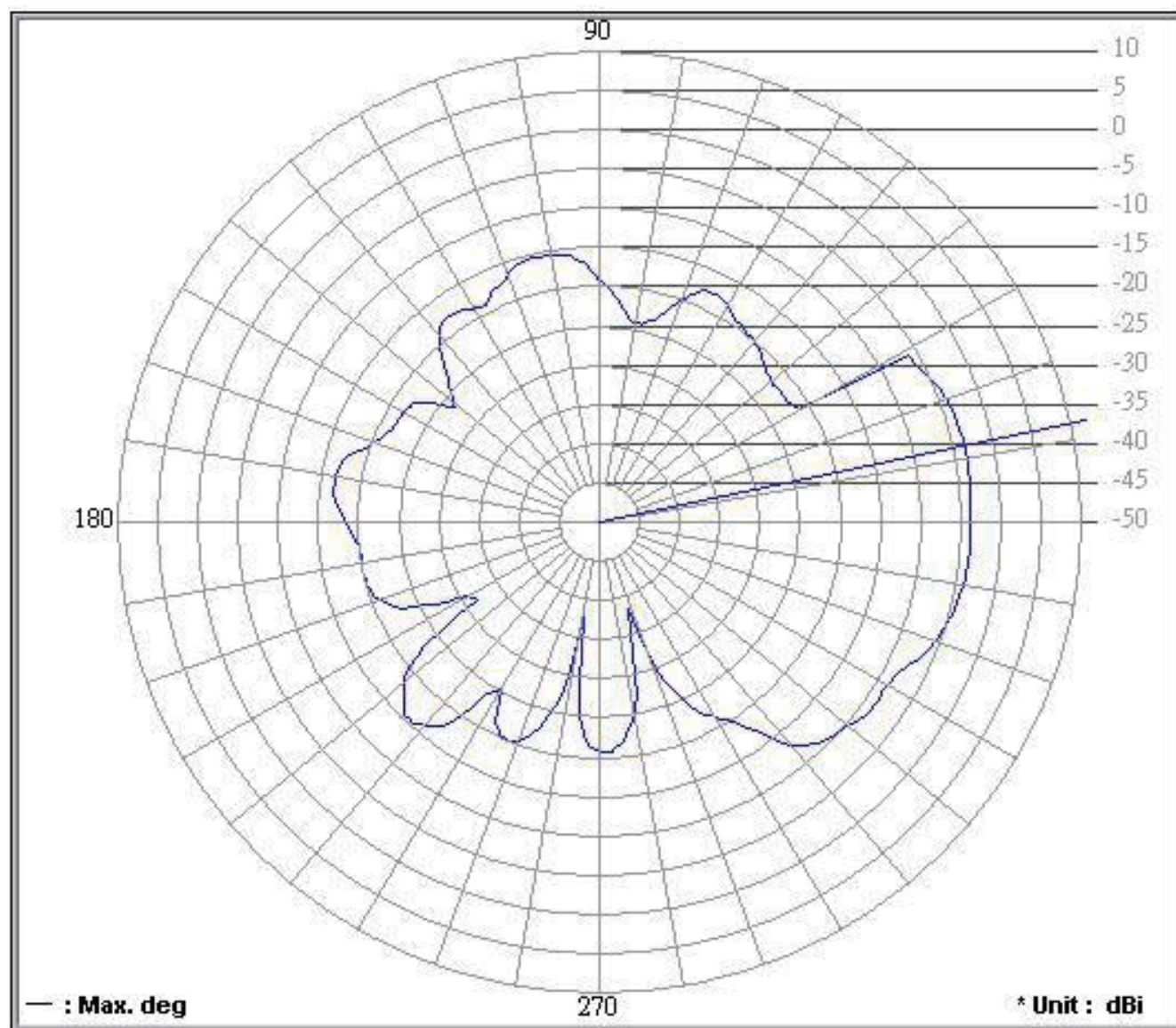
Date: **2015/05/08**

Time: **15:29:55**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz) : **2480.00**

Antenna Polarity : **Vertical**

Average Gain (dBi): **-11.34**

Maximum Gain (dBi): **-3.47**

Maximum Gain (degree): **12**

Minimum Gain (dBi): **-38.33**

Minimum Gain (degree): **288**

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4. Result

Center Frequency		Maximum Ant Gain
2402 MHz	H	3.85 dBi
	V	-1.54 dBi
2441 MHz	H	3.18 dBi
	V	-2.58 dBi
2480 MHz	H	2.80 dBi
	V	-3.47 dBi