

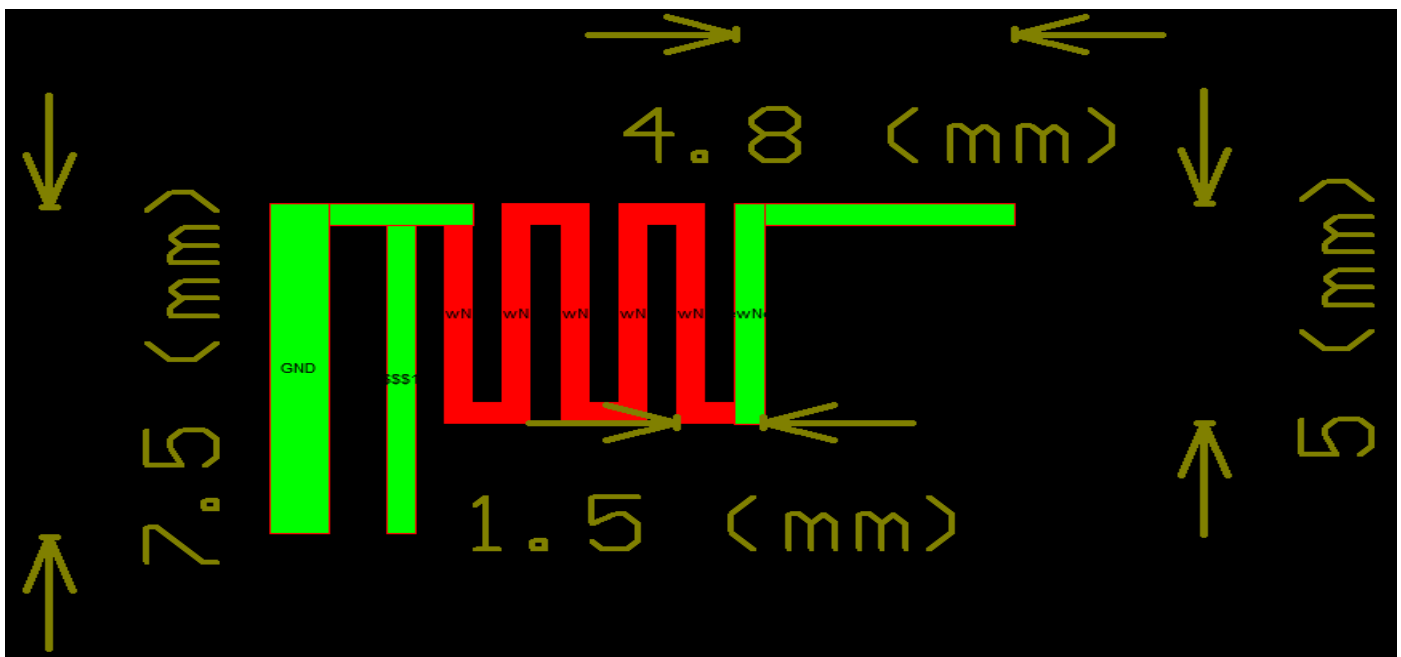
Antenna Specification

Specifications

Summary

ITEM	SPEC.	
Model Name	2400-2500MHz	
Center Frequency	2402MHz 2441MHz 2480MHz	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 Length	41 mm	

Antenna Photo & Length



1. Main antenna : 2441.65 MHz

1.1 Horizontal



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誠信科技股份有限公司

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

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

Hsichui Lab: 81-1 Lillbacking, 9th Lin, Wuling Tsrui, Chinglinli, Hsichui, Taiwan, R.O.C.

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

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

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

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

Brand / Model : IBM 2.4GHz

Remark : E1

Tested by : SHELLY

EUT description :

Location: **RF Chamber3**

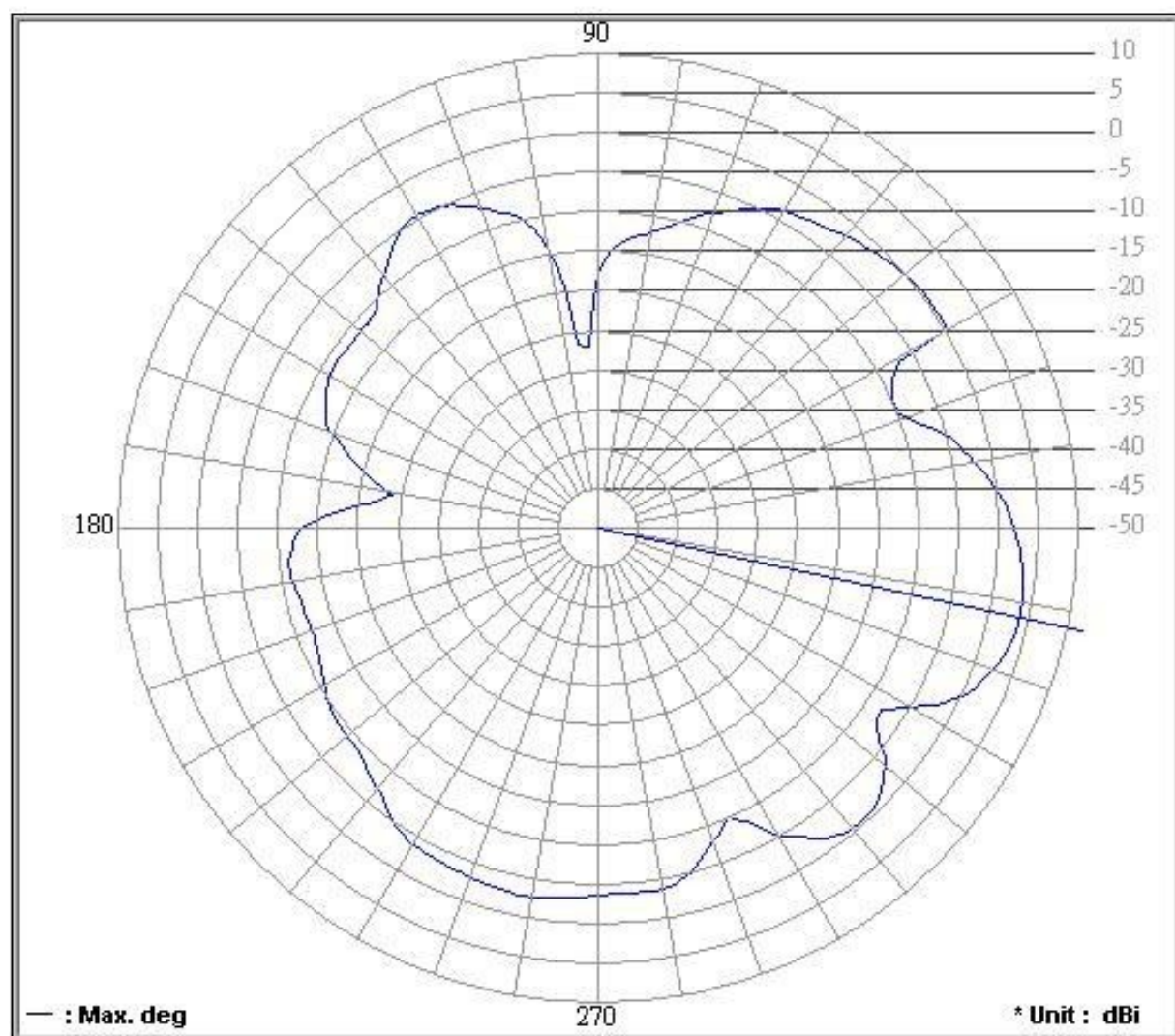
Date: 2015/11/16

Time: **15:20:43**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz) : 2402.65

Antenna Polarity : **Horizontal**

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

Maximum Gain (dB) : **3.85**

Maximum Gain (degree) : **348**

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

Minimum Gain (degree) : **93**

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1.2 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, Kieikiao, Taoyuan, Taiwan, R.O.C.

Tel (03) 318-3232 Fax (03) 318-6050

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

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Brand / Model : IBM 2.4GHz

Remark : E1

Tested by : SHELLY

EUT description :

Location: **RF Chamber3**

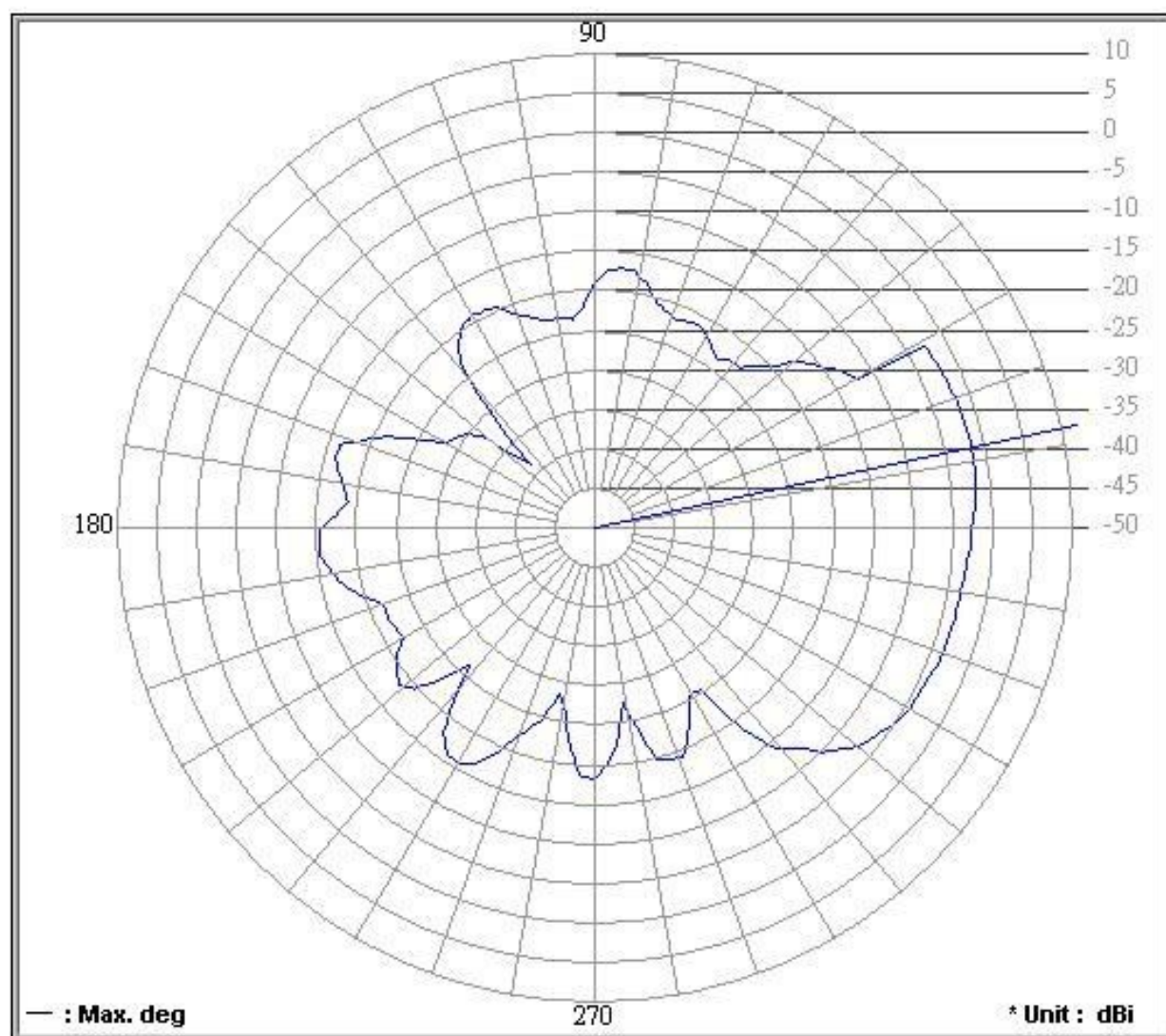
Date: 2015/11/16

Time: **15:34:49**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz) : 2402.65

Antenna Polarity : **Vertical**

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

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

Maximum Gain (degree) : **12**

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

Minimum Gain (degree) : **135**

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2.Main antenna : 2441.65 MHz

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, Kieki kai, Taoyuan, Taiwan, R.O.C.

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

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

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

Hsichui Lab: 81-1 Lillacking, 9th Lin, Wuling Tsien, Chinglin, Hsichui, Taiwan, R.O.C.

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Brand / Model : IBM 2.4GHz

Remark : E1

Tested by : SHELLY

EUT description :

Location: **RF Chamber3**

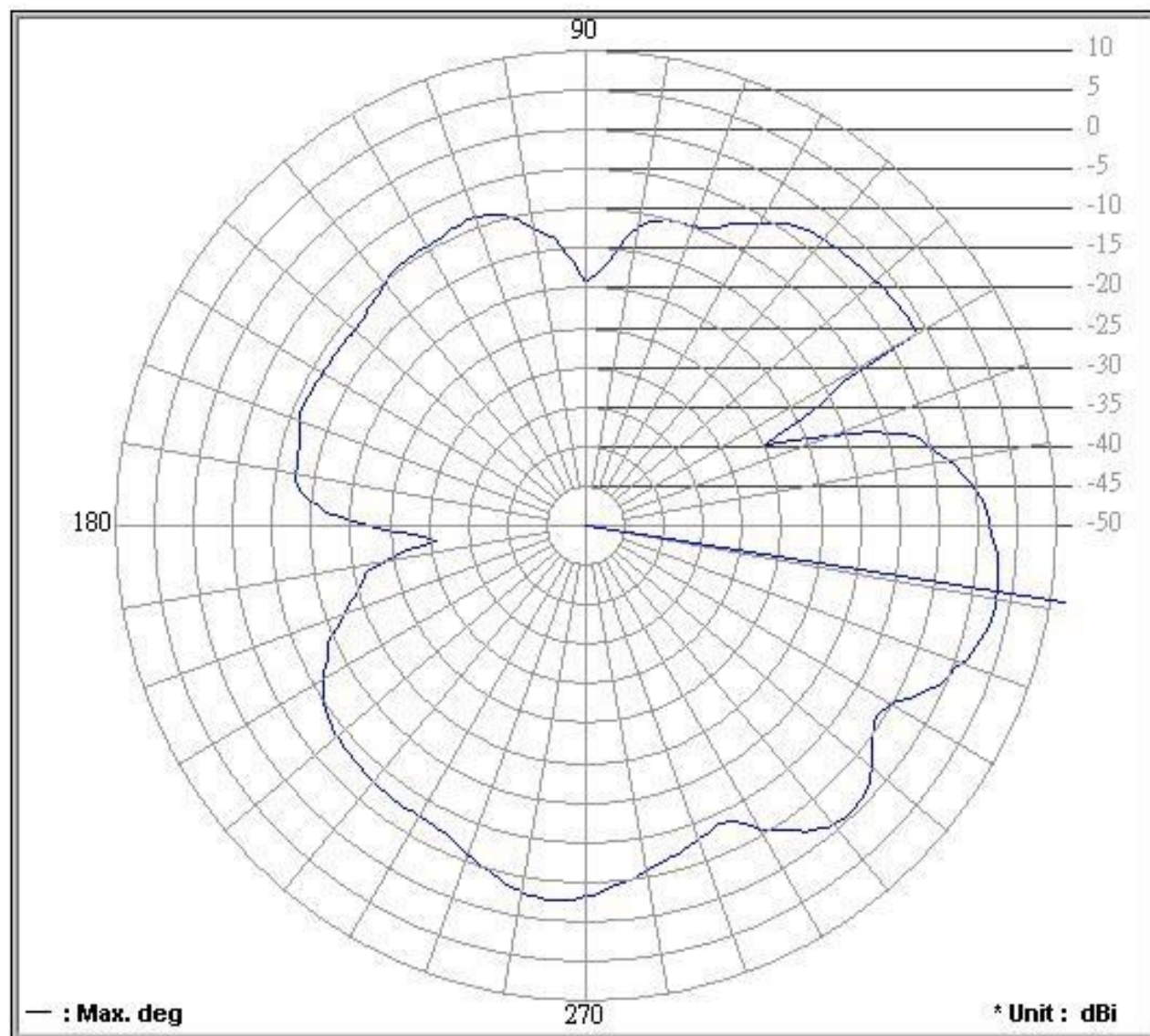
Date: 2015/11/16

Time: **15:23:51**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz): 2441.65

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, Kieik kiai, Taoyuan, Taiwan, R.O.C.

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

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

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Brand / Model : IBM 2.4GHz

Remark : E1

Tested by : SHELLY

EUT description :

Location: **RF Chamber3**

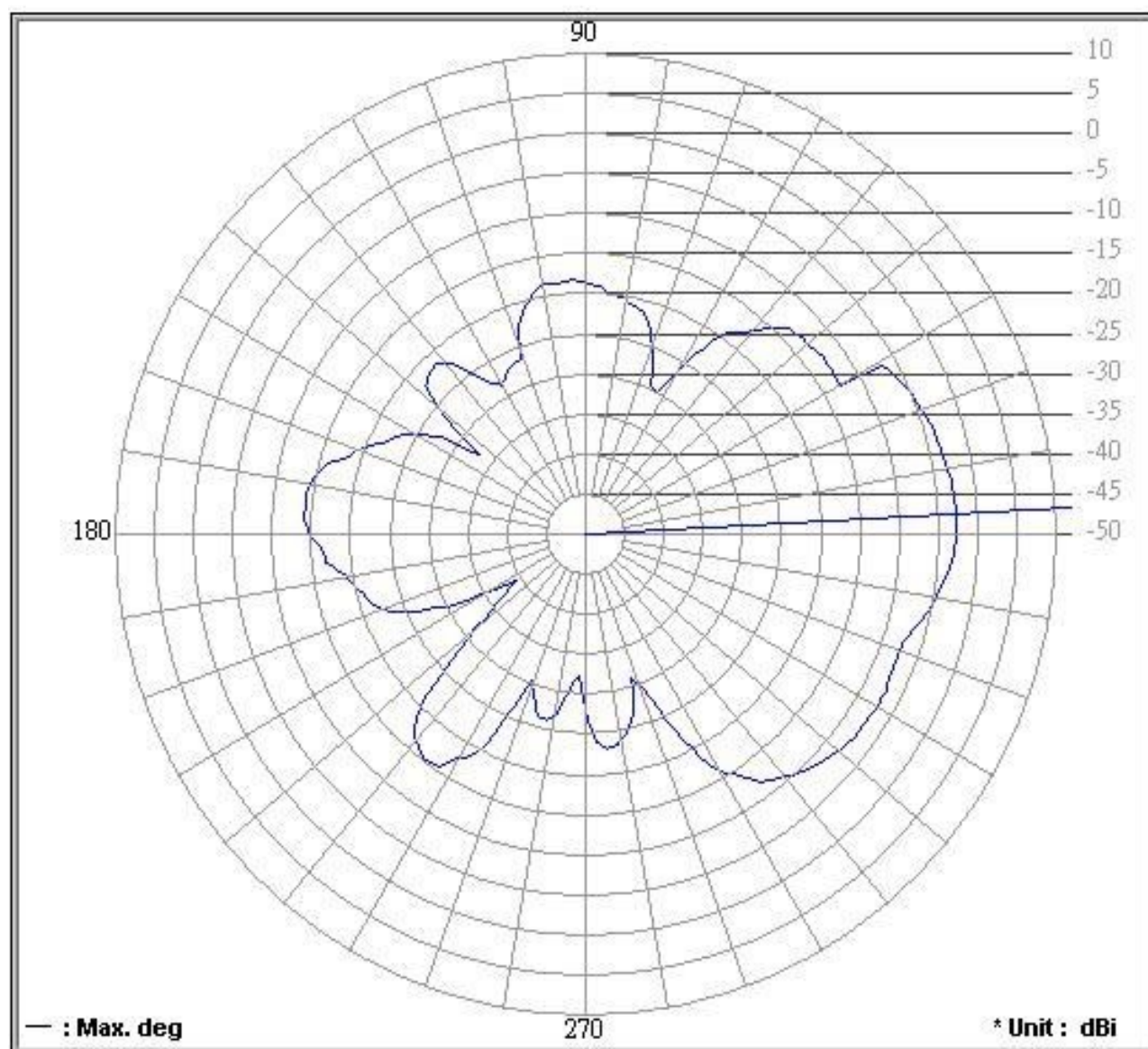
Date: 2015/11/16

Time: **15:32:20**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz) : 2441.65

Antenna Polarity : **Vertical**

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

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

Maximum Gain (degree) : **3**

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

Minimum Gain (degree) : **213**

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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 (886) 318-3232 Fax (886) 318-5050

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

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Brand / Model : IBM 2.4GHz

Remark : E1

Tested by : SHELLY

EUT description :

Location: **RF Chamber3**

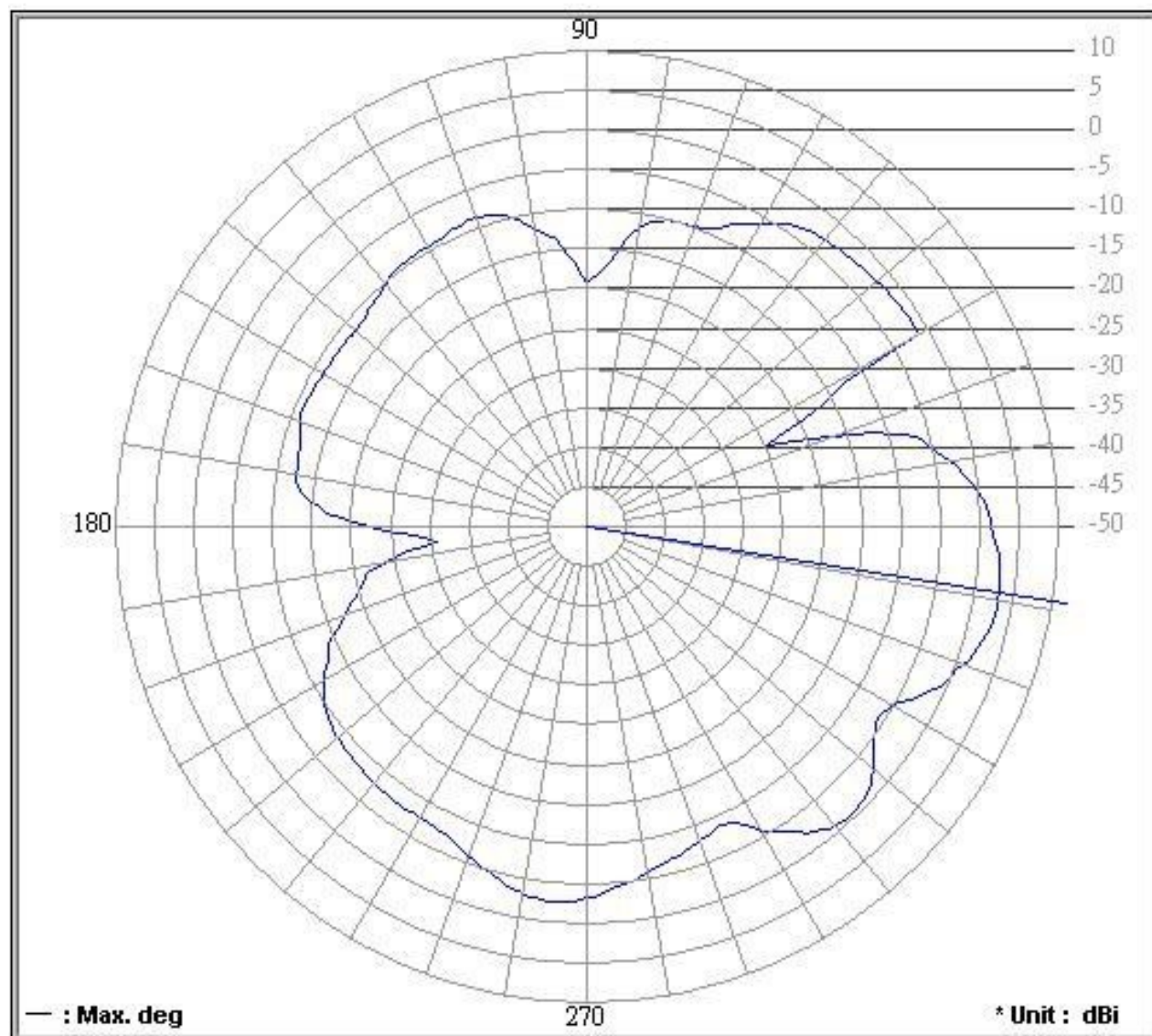
Date:

Time: **15:23:51**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz) : 2480.65

Antenna Polarity : **Horizontal**

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

Maximum Gain (dB) : **3.18**

Maximum Gain (degree) : **351**

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

Minimum Gain (degree) : **186**

C:\Antenna Pattern V5.0\Graph\0818\08180020.png



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Remark : E1

Tested by : SHELLY

EUT description :

Location: **RF Chamber3**

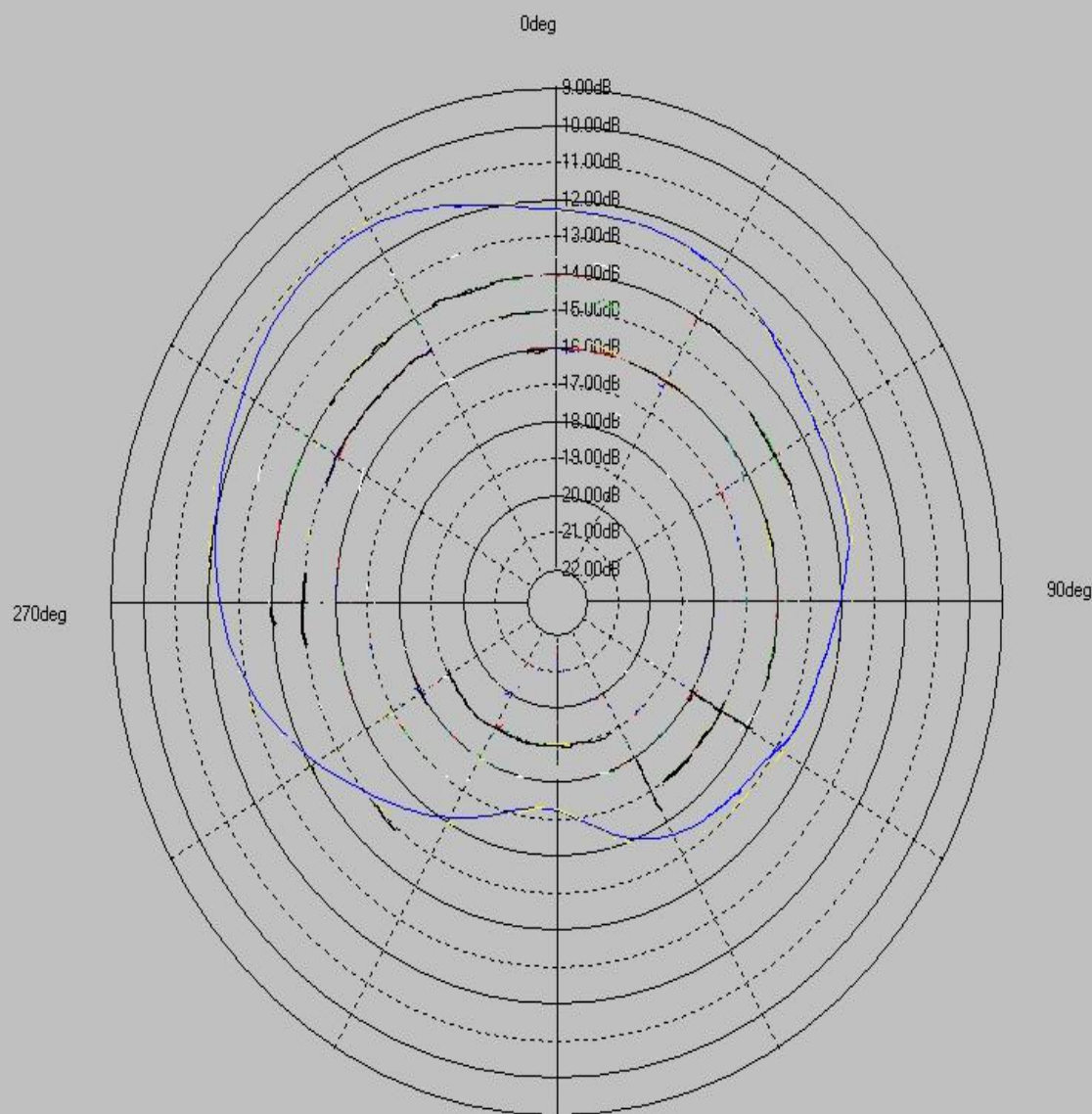
Date:

Time: **15:23:51**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz): **2480.65**

Antenna Polarity: **Horizontal**

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

Maximum Gain (dB): **3.18**

Maximum Gain (degree): **351**

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

Minimum Gain (degree): **186**

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