

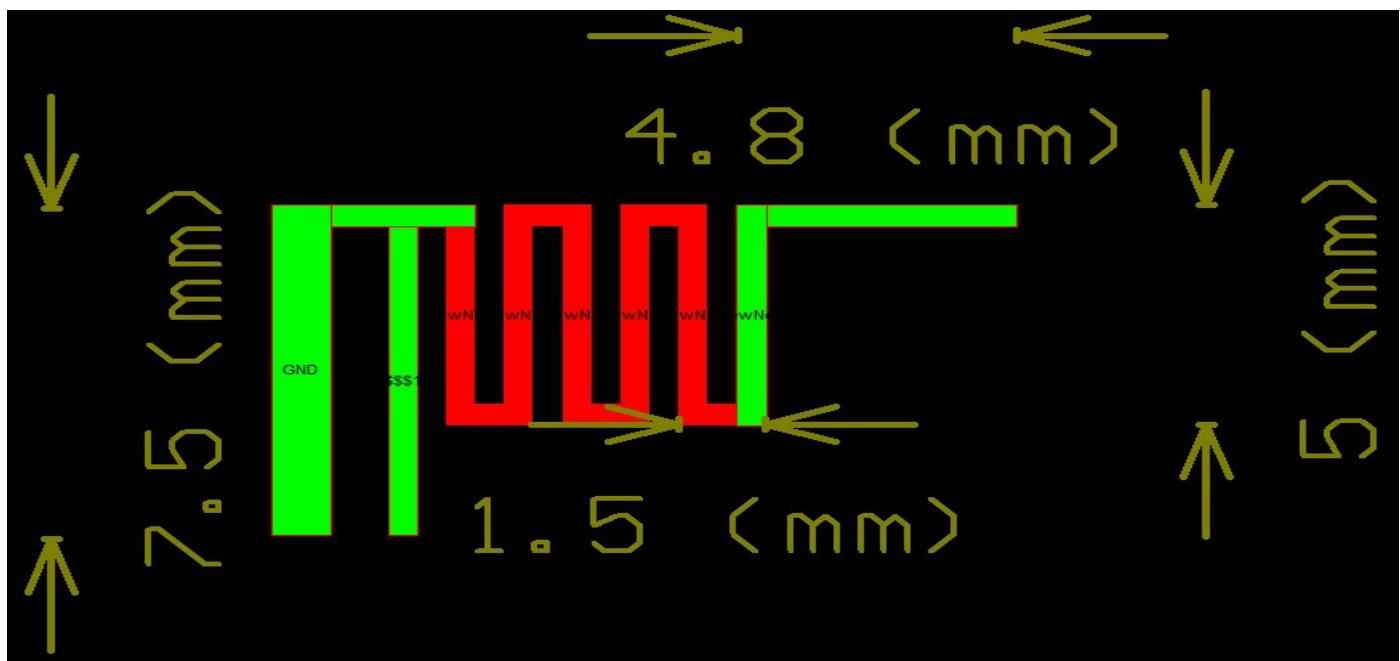
Antenna Specification

Specifications

Summary

ITEM	SPEC.	
Model Name	ISM 2.4 GHz	
Center Frequency	2402. 00MHz	3.85 dBi
	2440. 00MHz	3.18 dBi
	2480. 00MHz	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 : 2441.65MHz

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, Kielkuan, Taoyuan, Taiwan, R.O.C.

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

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

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

Hsinchu Lab: 81-1 Liulaoqiao, 9th Ln, Wuting Town, Chingliu, Hsinchu, Taiwan, R.O.C.

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

Tel (03) 533-5343 Fax (03) 533-5342

Brand / Model : IBM 2.4GHz

Remark : E1

Tested by : SHELLY

EUT description :

Location: RF Chamber3

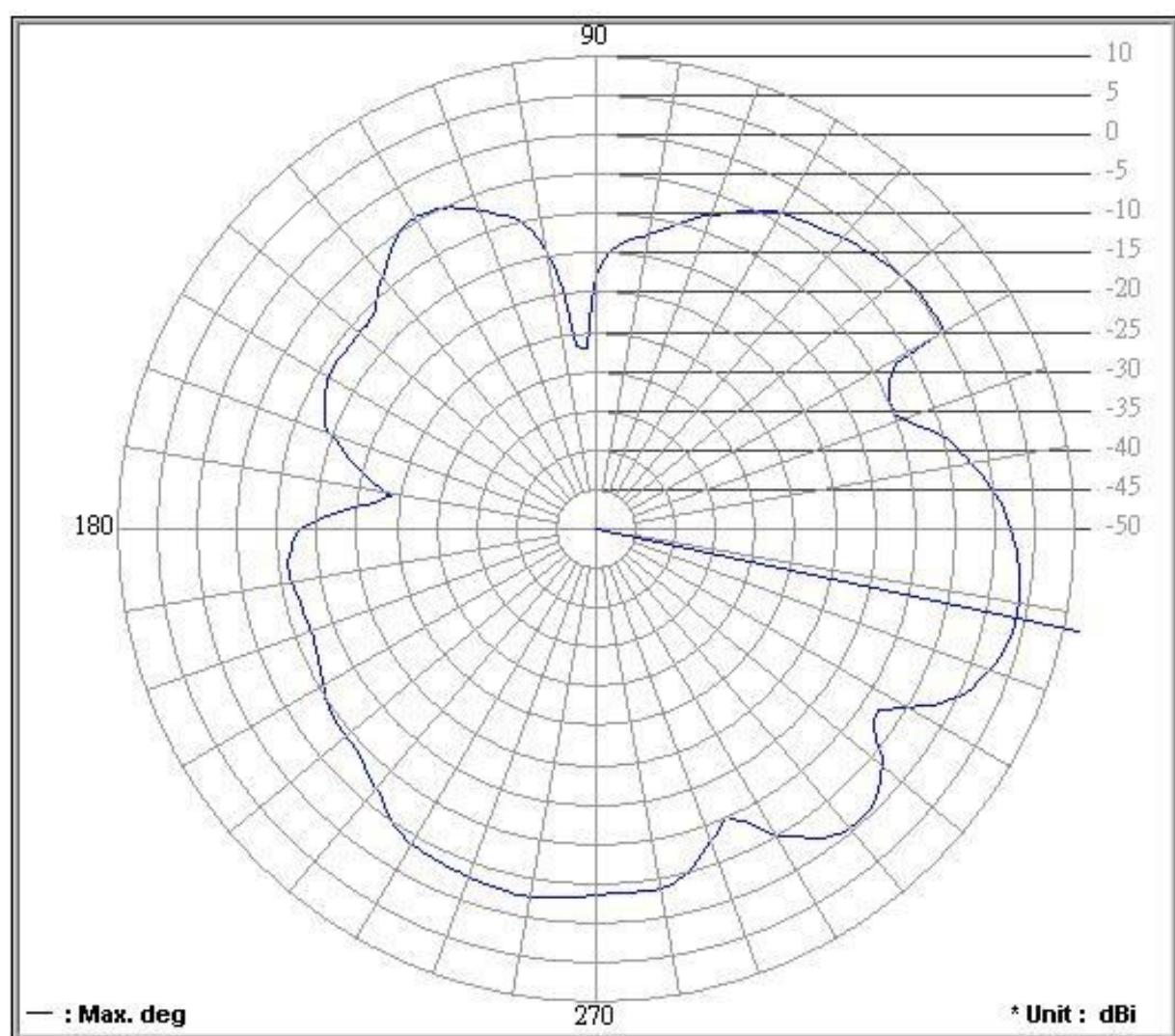
Date: 2021/11/16

Time: 15:20:43

Temperatuer (°C): 25

Humidity (%): 75

Approved by:



Frequency (MHz) : 2402.00

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

1.2 Vertical



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

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

Tel (03) 318-3236 Fax (03) 318-6060

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

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

Hsinchu Lab: 81-1 Liubaoqiao, 9th Ln, Wuting Town, Chingliu, Hsinchu, Taiwan, R.O.C.

Tel (03) 533-6343 Fax (03) 533-6342

Brand / Model : IBM 2.4GHz

Remark : E1

Tested by : SHELLY

EUT description :

Location: **RF Chamber3**

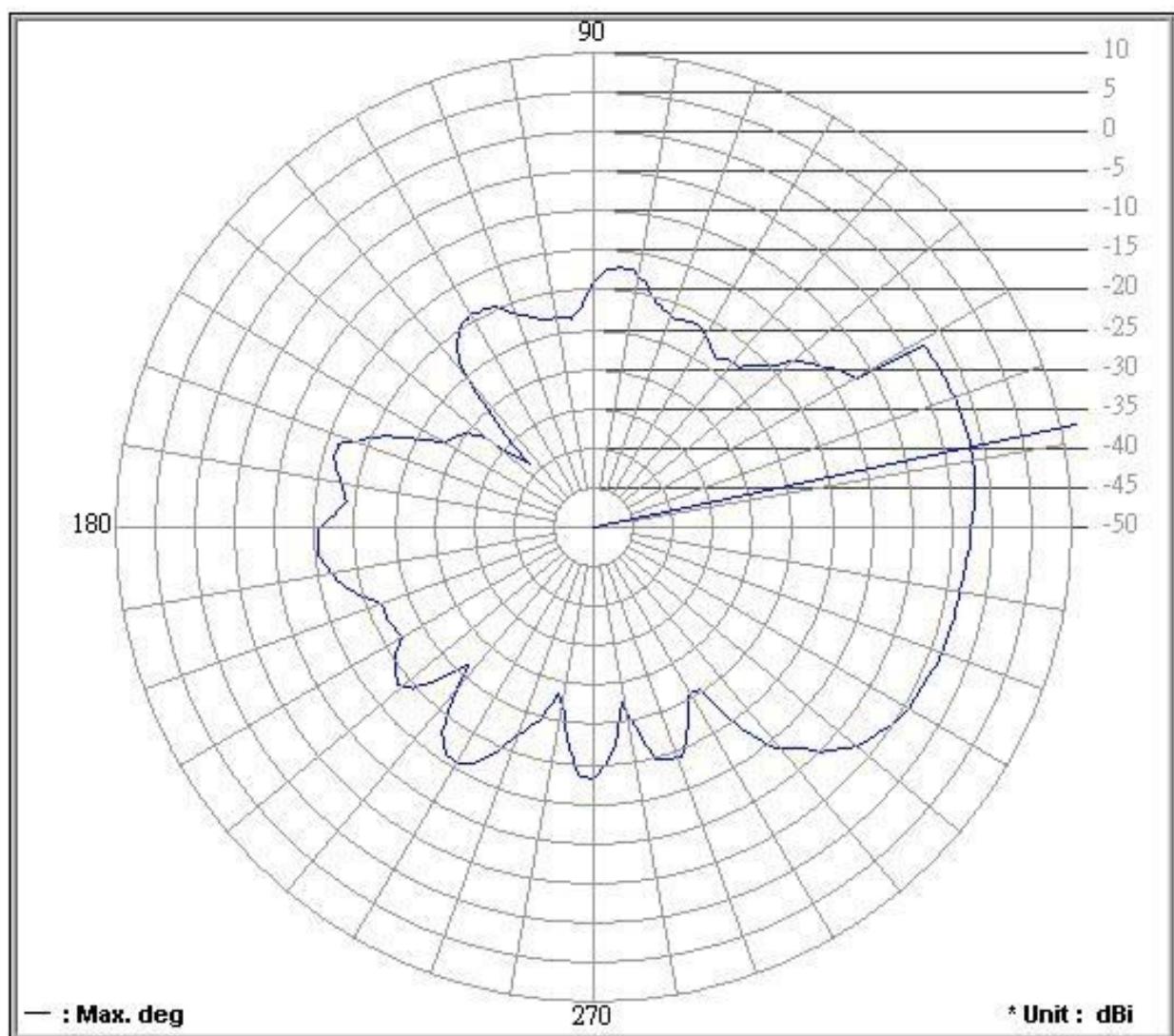
Date: 2021/11/16

Time: **15:34:49**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz) : 2402.00

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**

C:\Antenna Pattern V5.0\Graph\0818\08180024.png

2. Main antenna : 2441.65 MHz

2.1 Horizontal



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

Hsinchu Lab: 81-1 Liubaoqng, 9th Ln, WuLing Tower, Chingshui, Hsinchu, Taiwan, R.O.C.

<http://www.adtcom.tw> E-mail: service@adtcom.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**

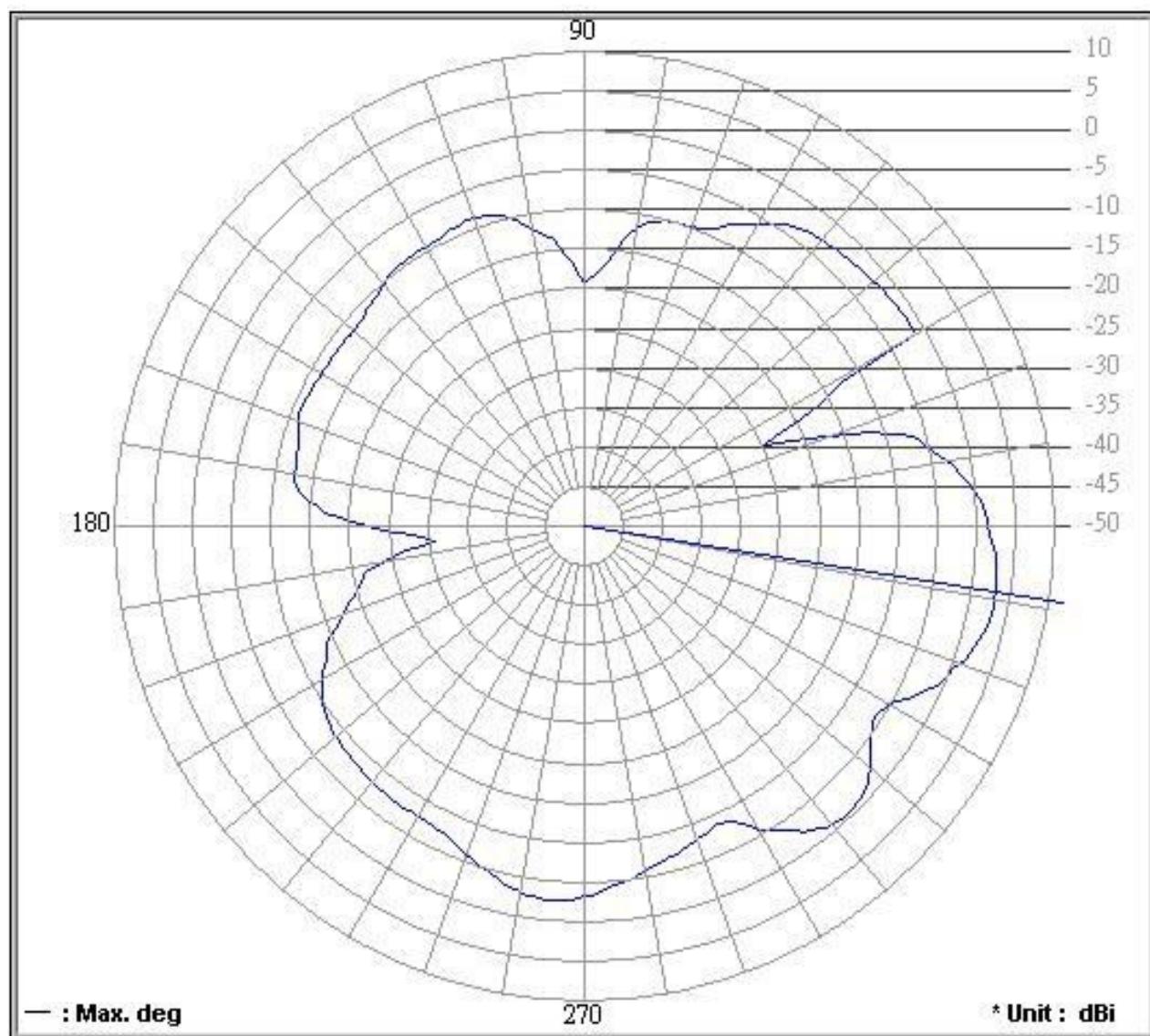
Date: 2021/11/16

Time: **15:23:51**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz) : 2440.00 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**

2.2 Vertical



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

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

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Hsinchu Lab: 81-1 Liulaocheng, 9th Ln, Wuting Town, Chinglin, Hsinchu, Taiwan, R.O.C.

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

Brand / Model : IBM 2.4GHz

Remark : E1

Tested by : SHELLY

EUT description :

Location: **RF Chamber3**

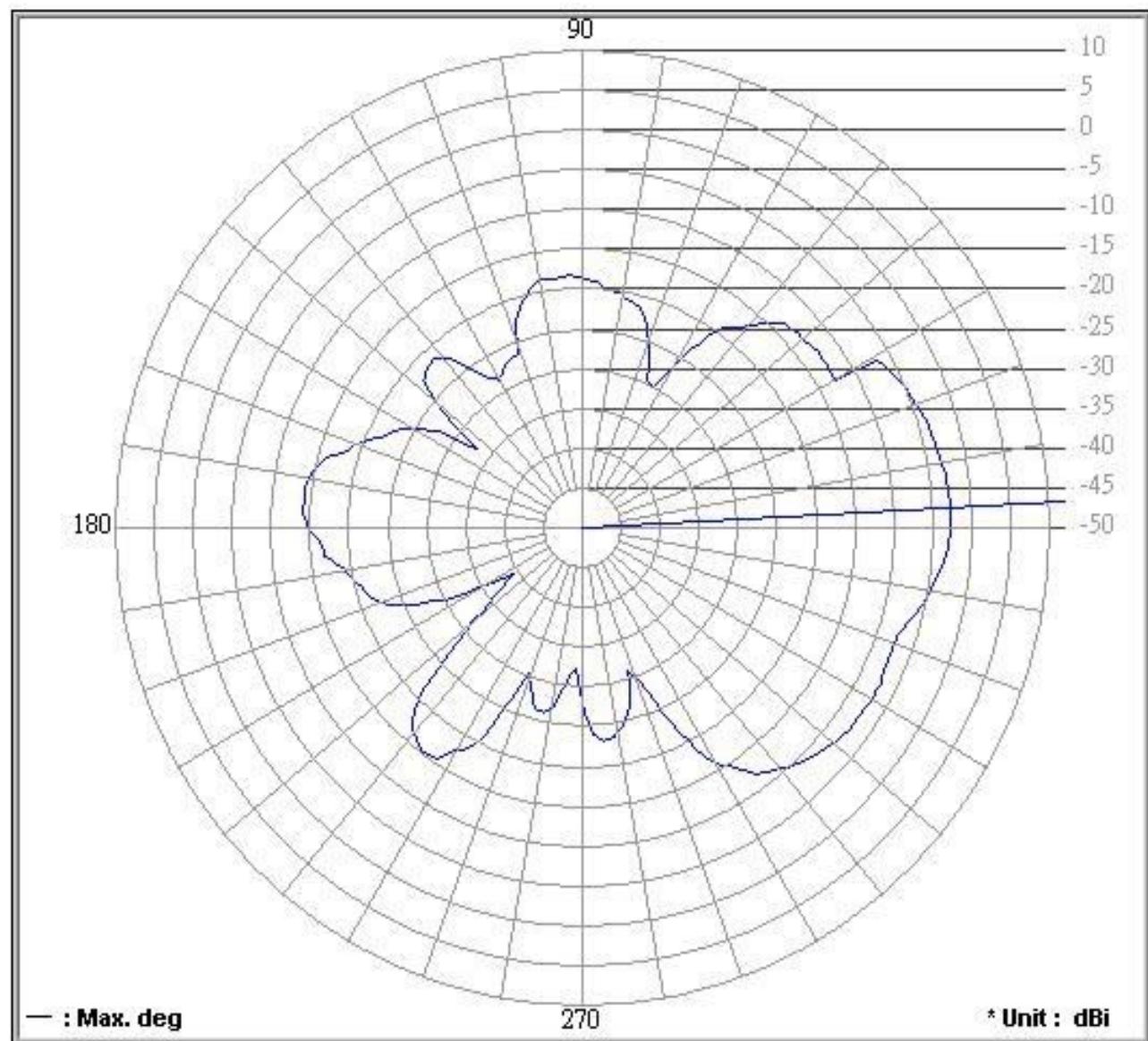
Date: 2021/11/16

Time: **15:32:20**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz): **2440.00**

Antenna Polarity : **Vertical**

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

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

Maximum Gain (degree) : **3**

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

Minimum Gain (degree) : **213**