

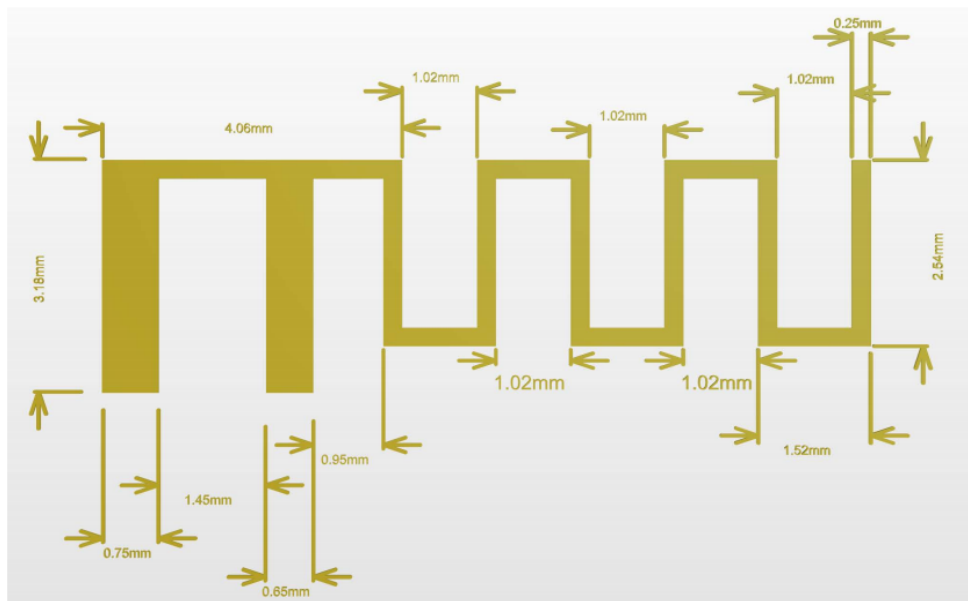
Antenna Specification

Specifications

Summary

ITEM	SPEC.	
Model Name	ISM 2.4 GHz	
Center Frequency	2402.00MHz 2441.00MHz 2480.00MHz	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



Advance Data Technology Corporation

誠信科技股份有限公司

Hwa Ya Lab : No.19, Hwa Ya 2nd RD, Kie K'ia, Taoyuan, Taiwan, R.O.C.

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

Tayuan Lab : 13-1 Lane 19, Wei Siak 3rd St, Kie K'ia, Taoyuan, Taiwan, R.O.C.

Tel (886) 318-3232 Fax (886) 318-8050

Hsichih Lab: 81-1 Lillackeng, 9th Ln, Wuling Tstet, Chungli, Hsichih, Taiwan, R.O.C.

Tel (886) 327-0910 Fax (886) 327-0892

Tel (886) 693-6343 Fax (886) 693-6342

Brand / Model : IBM 2.4GHz

Remark : E1

Tested by : SHELLY

EUT description :

Location: **RF Chamber3**

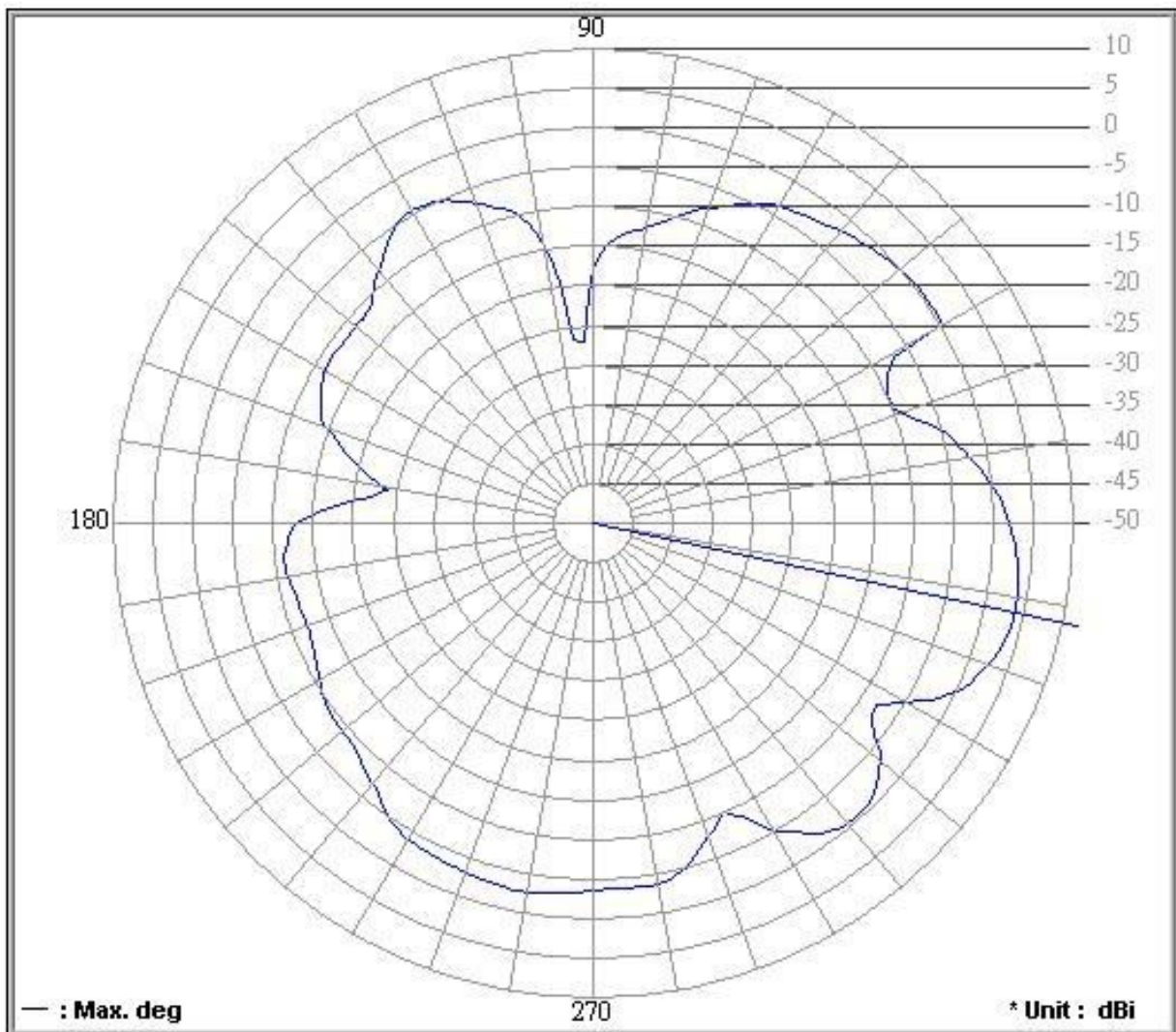
Date: 2021/11/16

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**

C:\Antenna Pattern V5.0\Graph\0818\08180019.png

1.2 Vertical



Advance Data Technology Corporation

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 tai, Taoyuan, Taiwan, R.O.C.

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

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

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

Hsichih Lab: 81-1 Lillackeng, 9th Lin, Wuling Tzuen, Ciktunglin, Hsichih, 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**

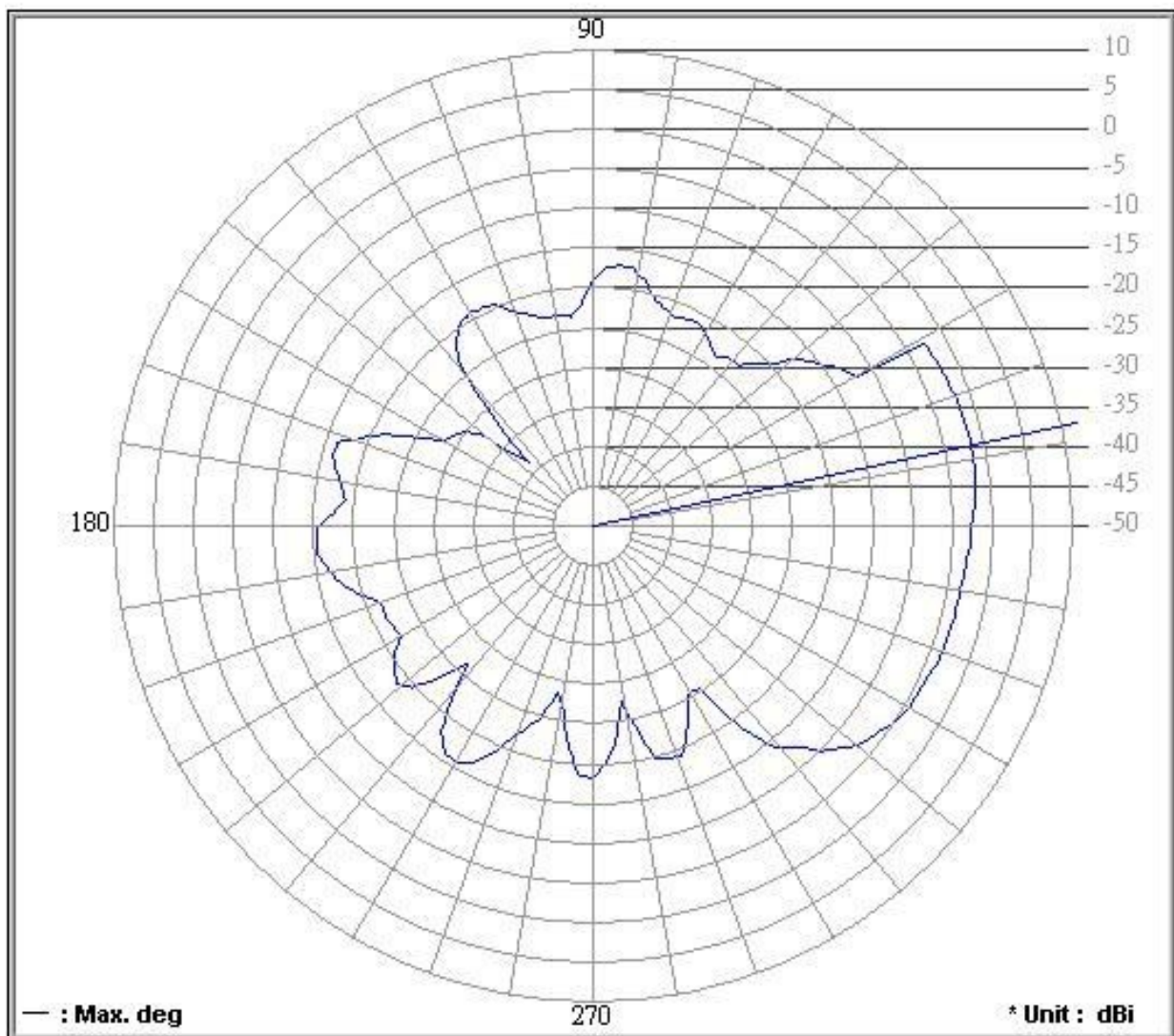
Date: 2021/11/16

Time: **15:34:49**

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



Advance Data Technology Corporation

誠信科技股份有限公司

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

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

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

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

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

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**

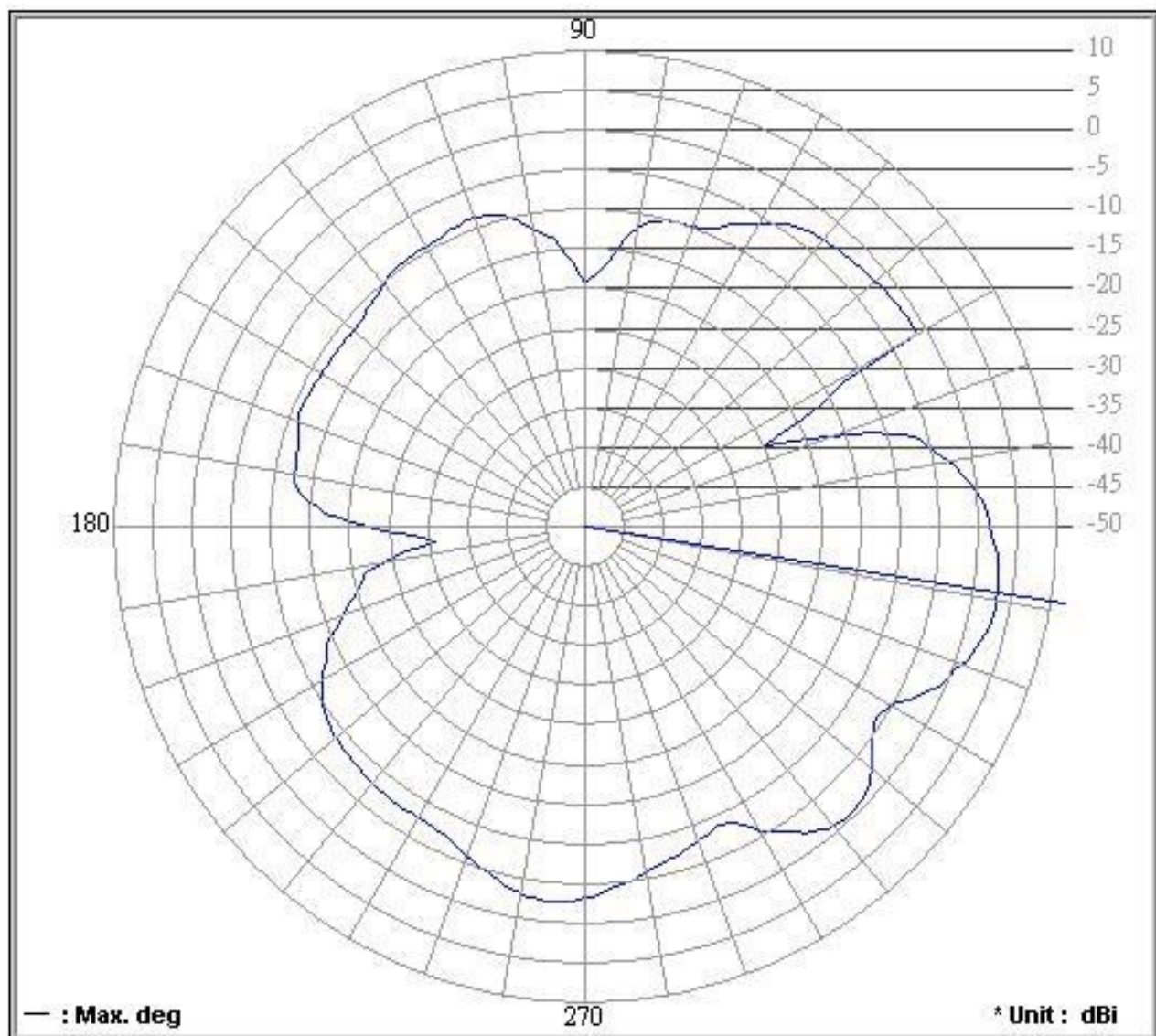
Date: 2021/11/16

Time: **15:23:51**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz): 2441.00

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**

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

2.2 Vertical



Advance Data Technology Corporation

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 ian, Taoyuan, Taiwan, R.O.C.

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

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

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

Hsichih Lab: 81-1 Lihbacking, 9th Ln, Wuling Tstn, Cilinglin, Hsichih, 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**

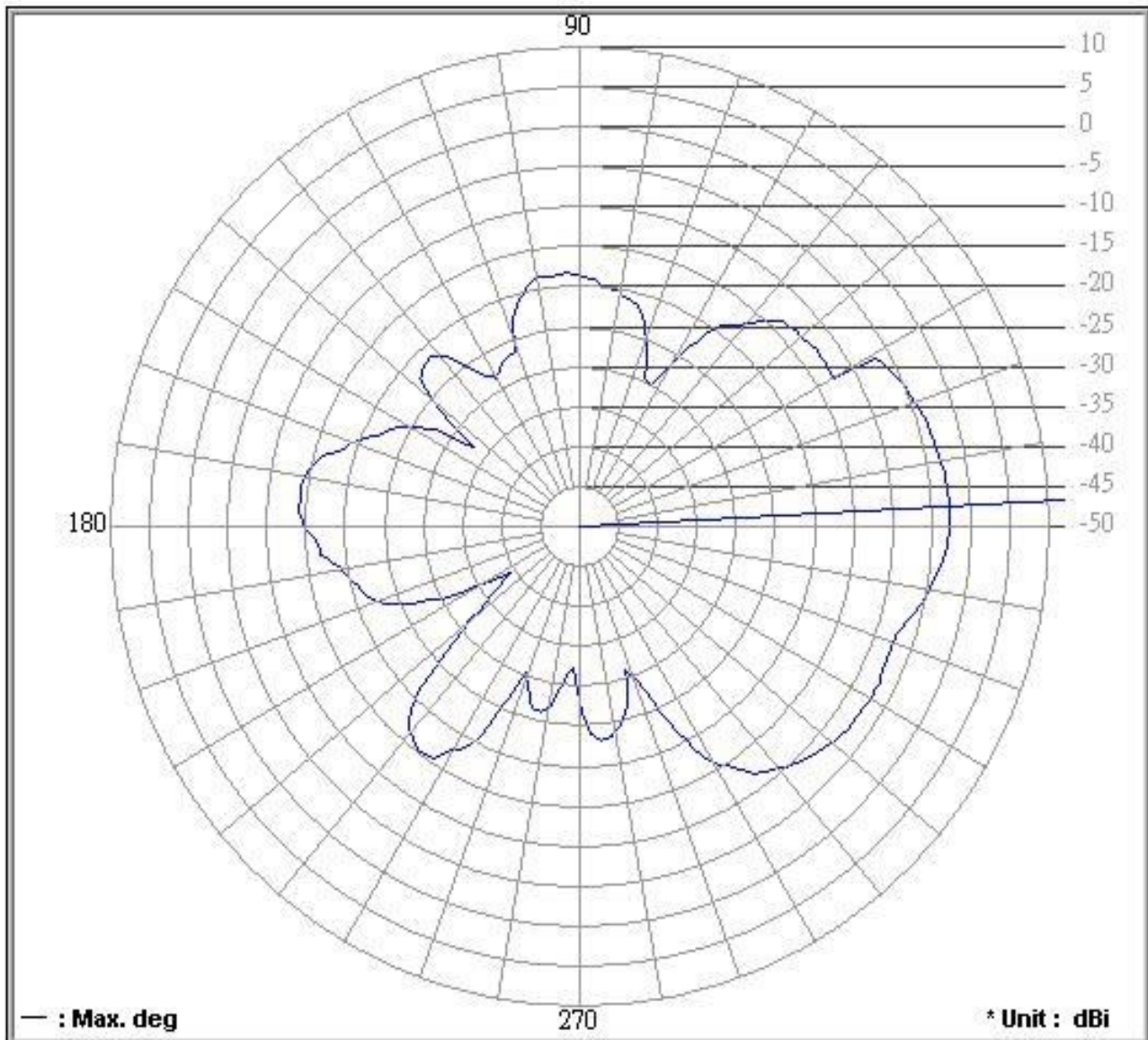
Date: 2021/11/16

Time: **15:32:20**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz) : 2441.00

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**

C:\Antenna Pattern V5.0\Graph\0818\08180023.png