

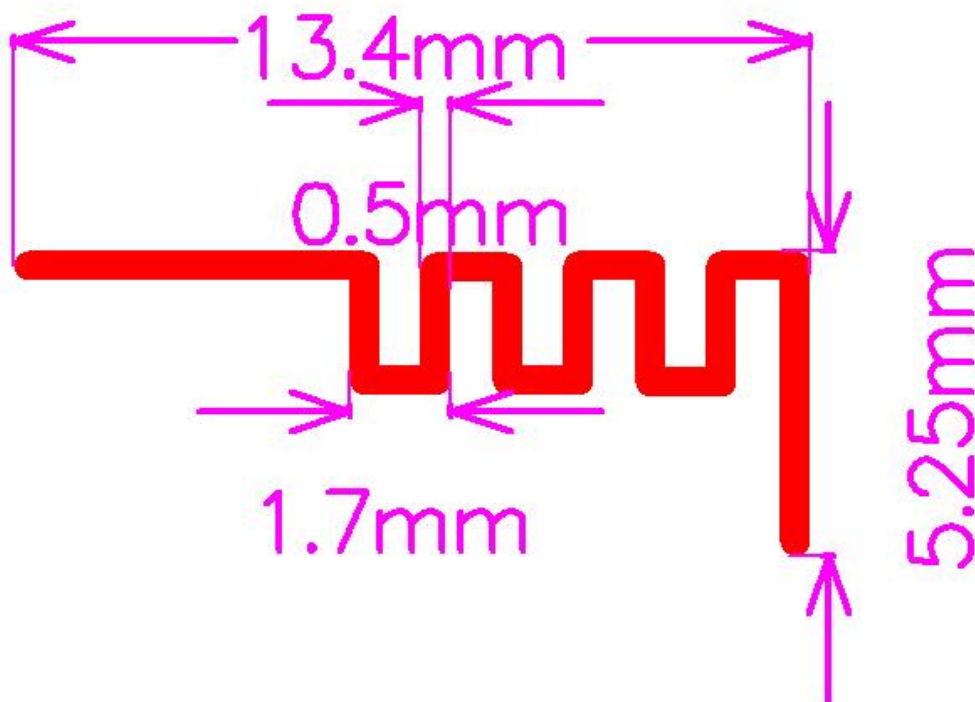
Antenna Specification

Specifications

Summary

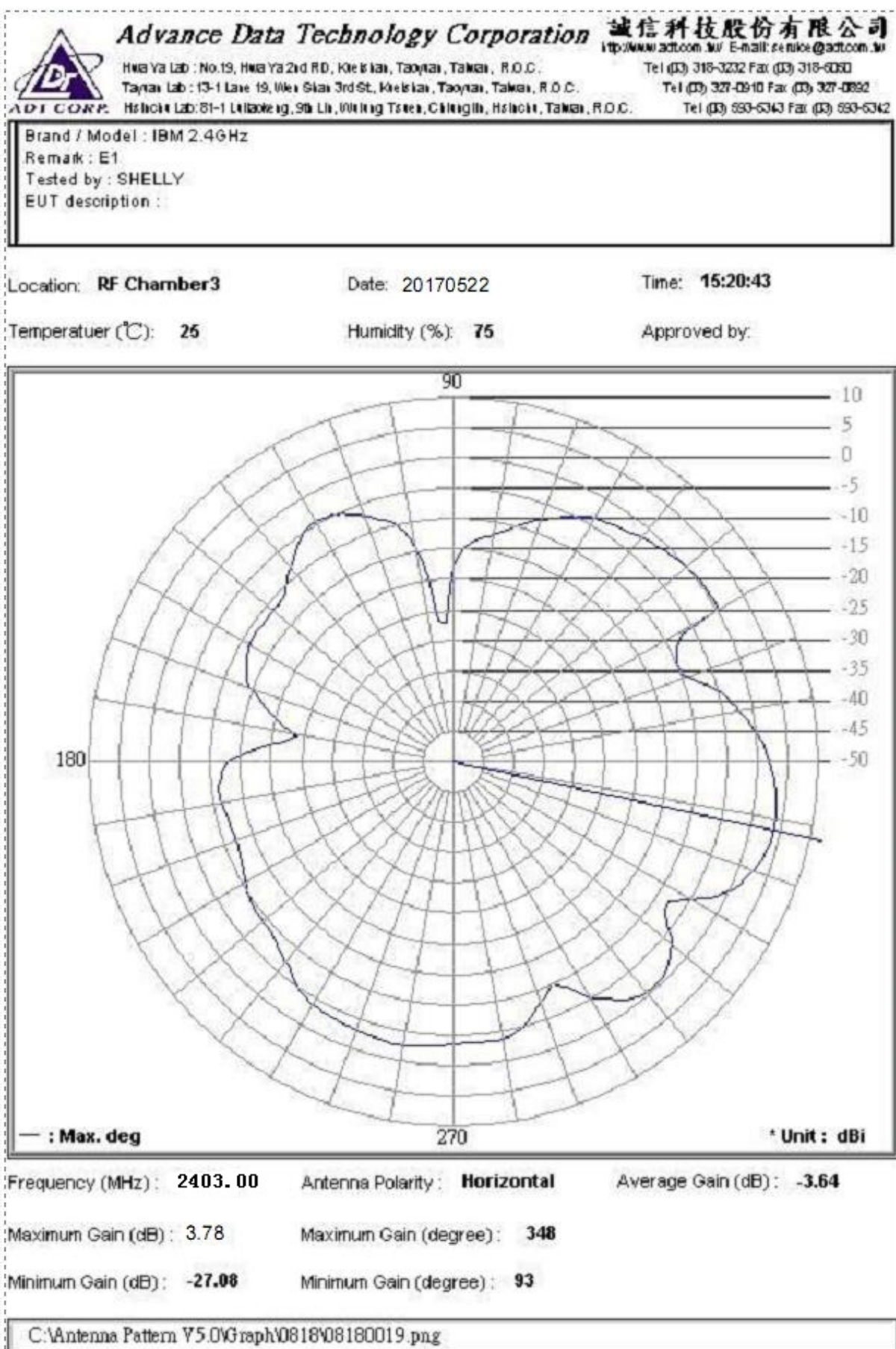
ITEM	SPEC.	
Model Name	ISM 2.4 GHz	
Center Frequency	2403 MHz 2441 MHz 2480 MHz	3.78 dBi 3.26 dBi 2.83 dBi
MAX. GAIN	3.78 dBi	
Polarization	Horizontal	
Azimuth Beam Pattern	Omni-directional	
Impedance	50 Ω	
Antenna Length	13.4 mm	

Antenna Photo & Length

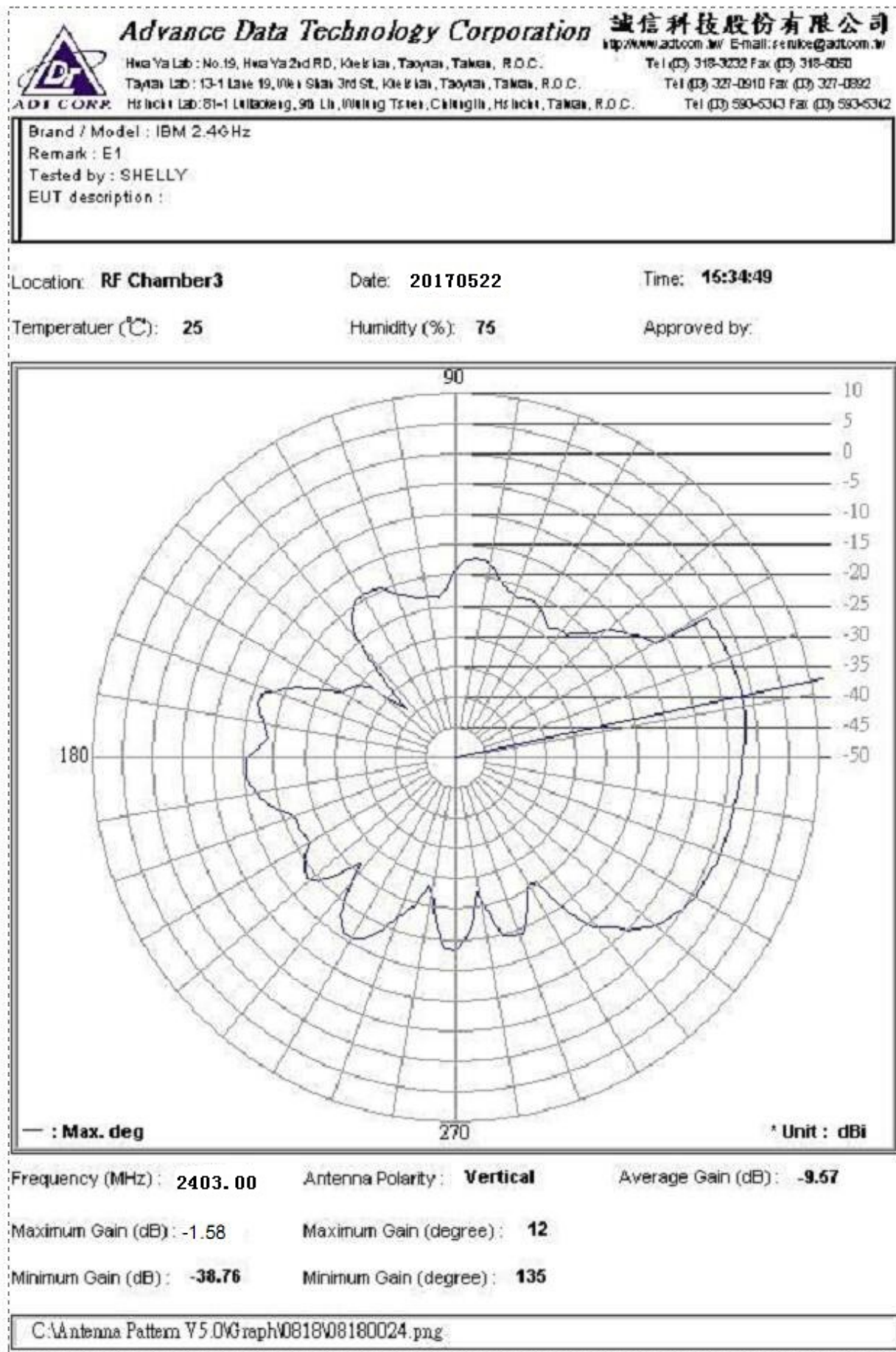


1.Main antenna : 2403 MHz

1.1 Horizontal



1.2 Vertical



2.Main antenna : 2441MHz

2.1 Horizontal



Advance Data Technology Corporation

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Hsichui Lab: 81-1 Lilaokang, 9th Lla, Wuling Tsuen, Chinglin, Hsichui, Taiwan, R.O.C.

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

Brand / Model : IBM 2.4GHz

Remark : E1

Tested by : SHELLY

EUT description :

Location: **RF Chamber3**

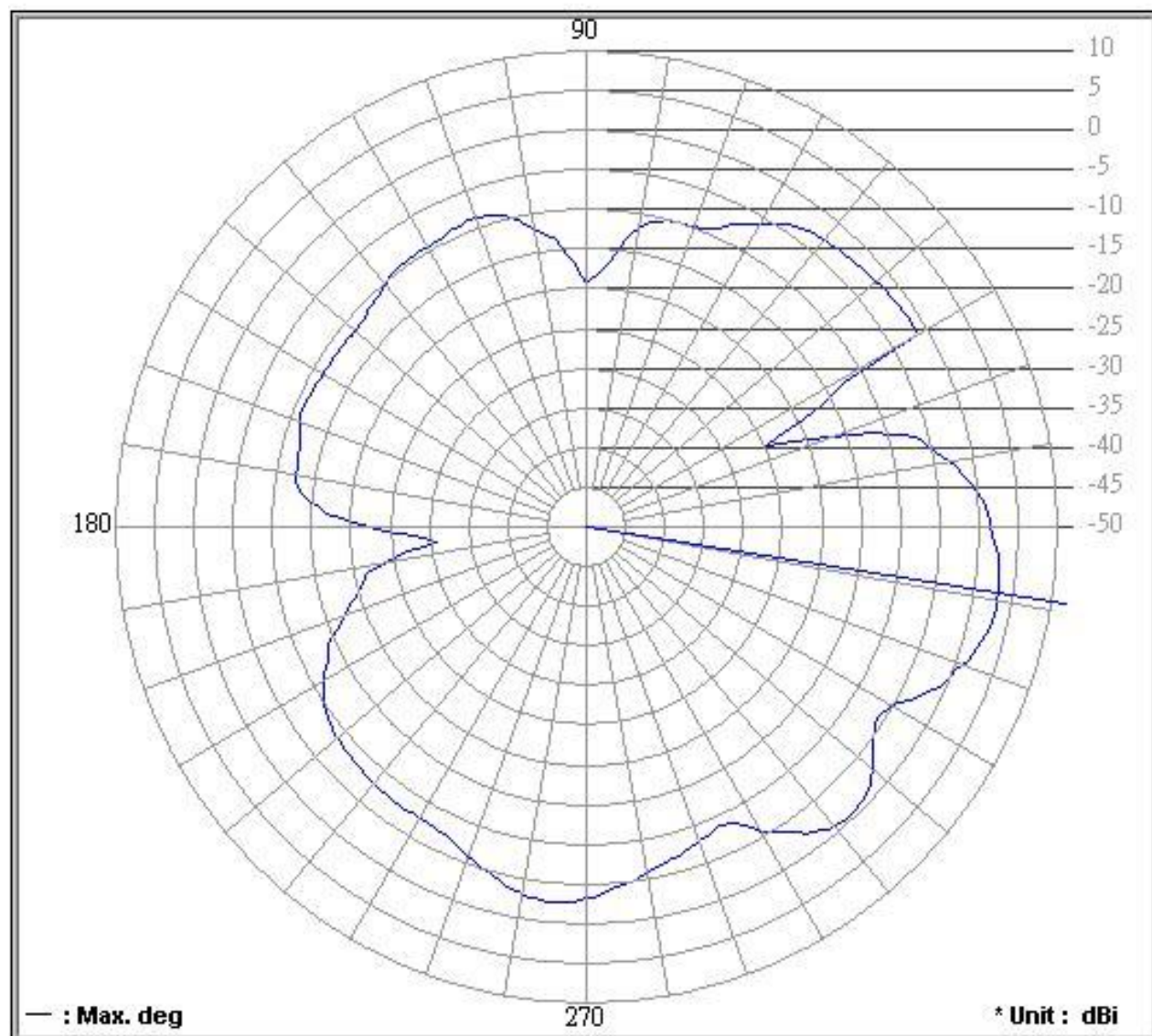
Date: 20170522

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): **3.26**

Maximum Gain (degree): **351**

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

Minimum Gain (degree): **186**

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2.2 Vertical



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Brand / Model : IBM 2.4GHz

Remark : E1

Tested by : SHELLEY

EUT description :

Location: **RF Chamber3**

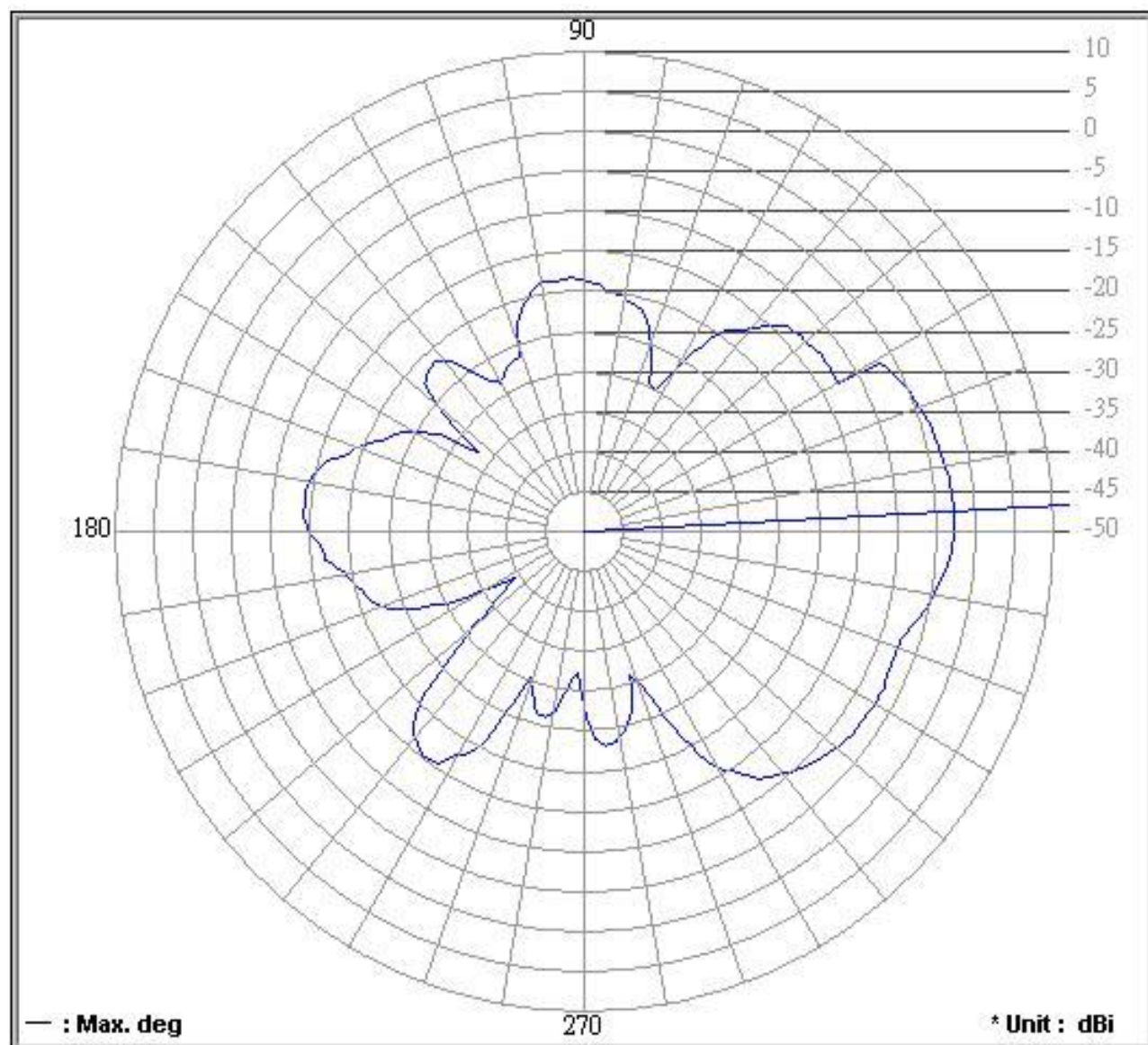
Date: 20170522

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) : **-2.56**

Maximum Gain (degree) : **3**

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

Minimum Gain (degree) : **213**

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3.Main antenna : 2480 MHz

3.1 Horizontal



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

Brand / Model : IBM 2.4GHz

Remark : E1

Tested by : SHELLY

EUT description :

Location: **RF Chamber3**

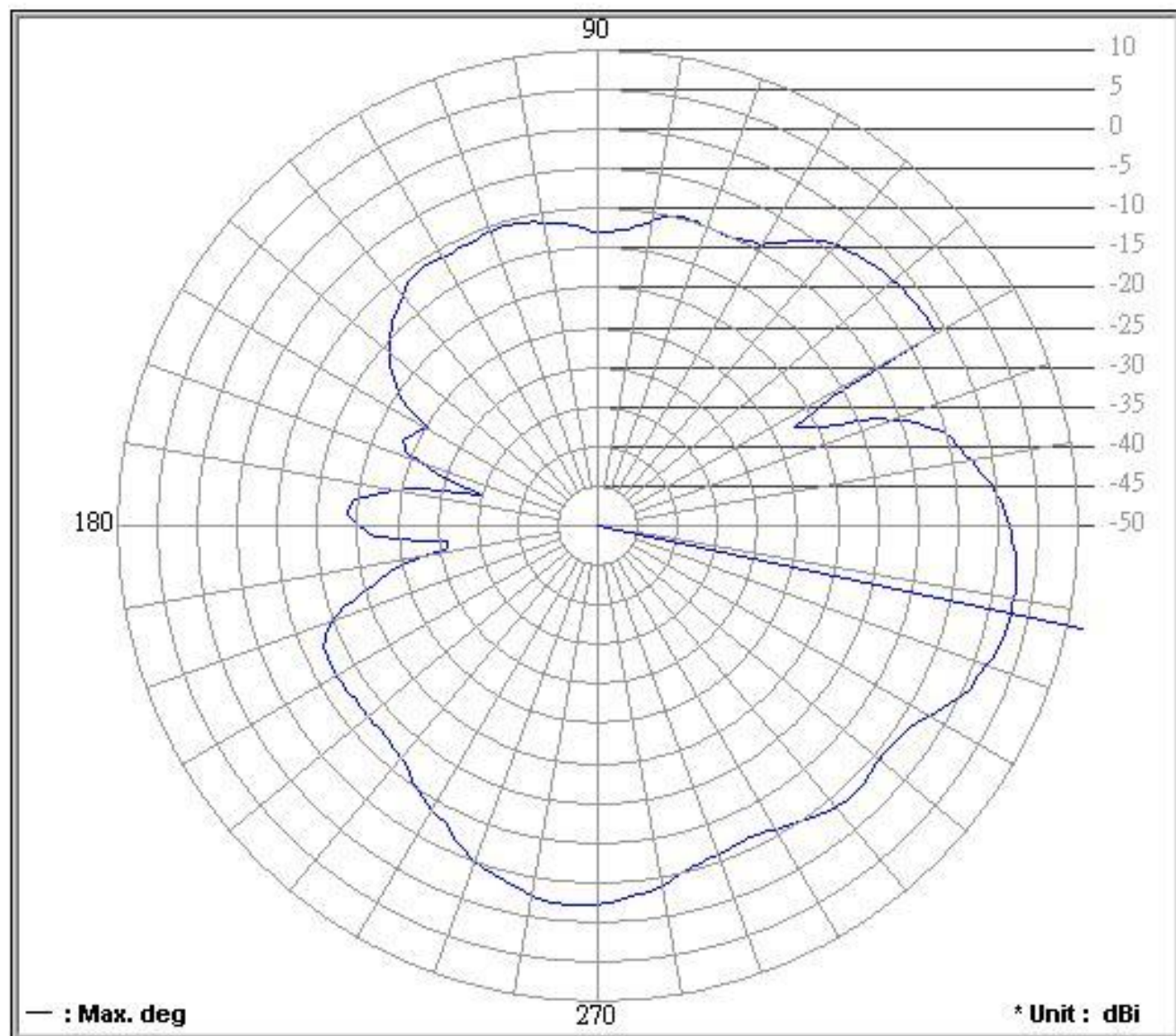
Date: 20170522

Time: **15:26:19**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz) : 2480.00

Antenna Polarity : **Horizontal**

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

Maximum Gain (dB) : 2.83

Maximum Gain (degree) : **348**

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

Minimum Gain (degree) : **165**

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3.2 Vertical



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Brand / Model : IBM 2.4GHz

Remark : E1

Tested by : SHELLY

EUT description :

Location: **RF Chamber3**

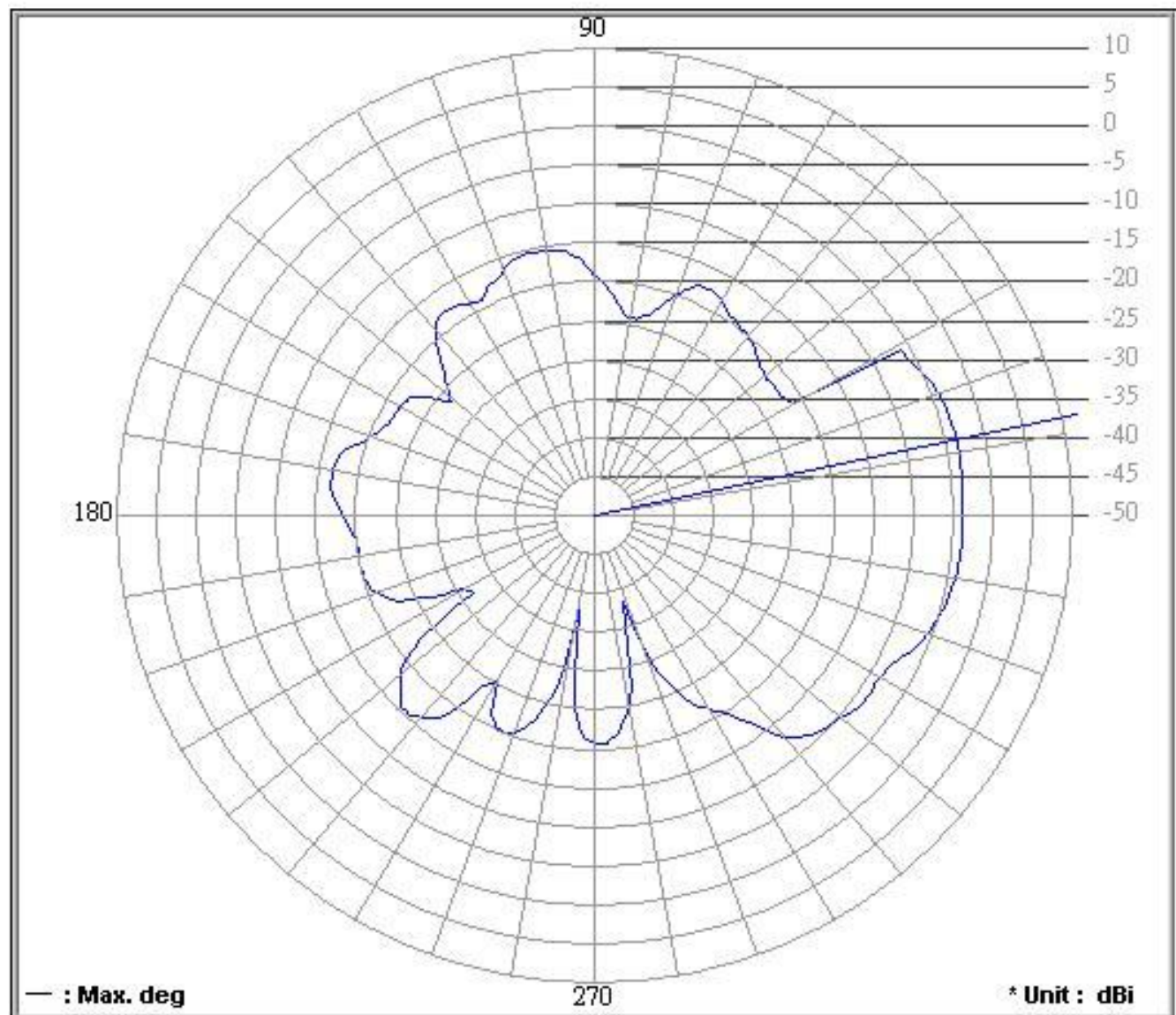
Date: 21070522

Time: **15:29:55**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz) : 2480.00

Antenna Polarity : **Vertical**

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

Maximum Gain (dB) : **-3.45**

Maximum Gain (degree) : **12**

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

Minimum Gain (degree) : **288**

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4. Result

Center Frequency		Maximum Ant Gain
2403 MHz	H	3.78 dBi
	V	-1.58 dBi
2441 MHz	H	3.26 dBi
	V	-2.56 dBi
2480 MHz	H	2.83 dBi
	V	-3.45 dBi