

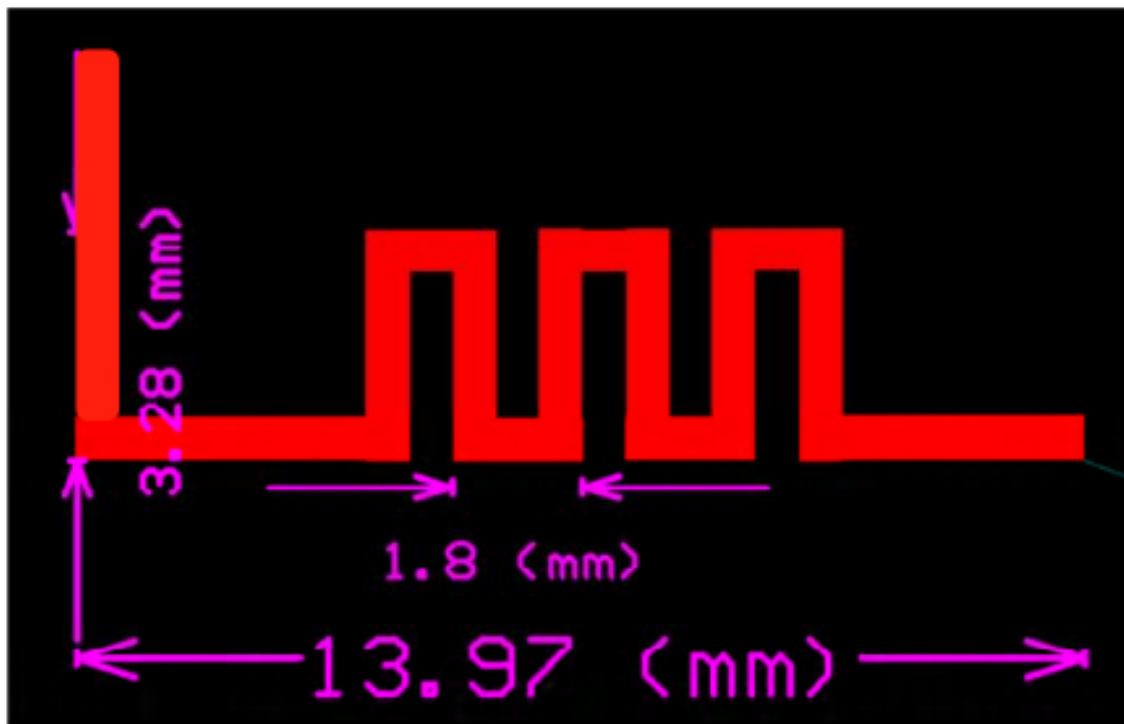
Antenna Specification

Specifications

Summary

ITEM	SPEC.	
Model Name	ISM 2.4 GHz	
Center Frequency	2402MHz	3.85 dBi
	2440MHz	3.18 dBi
	2480MHz	2.80 dBi
MAX. GAIN	3.85dBi	
Polarization	Horizontal	
Azimuth Beam Pattern	Omni-directional	
Impedance	50 Ω	
Antenna Length	13.97mm	

Antenna Photo & Length



1. Mainantenna :2402MHz

1.1 Horizontal

Location: **RF Chamber3**

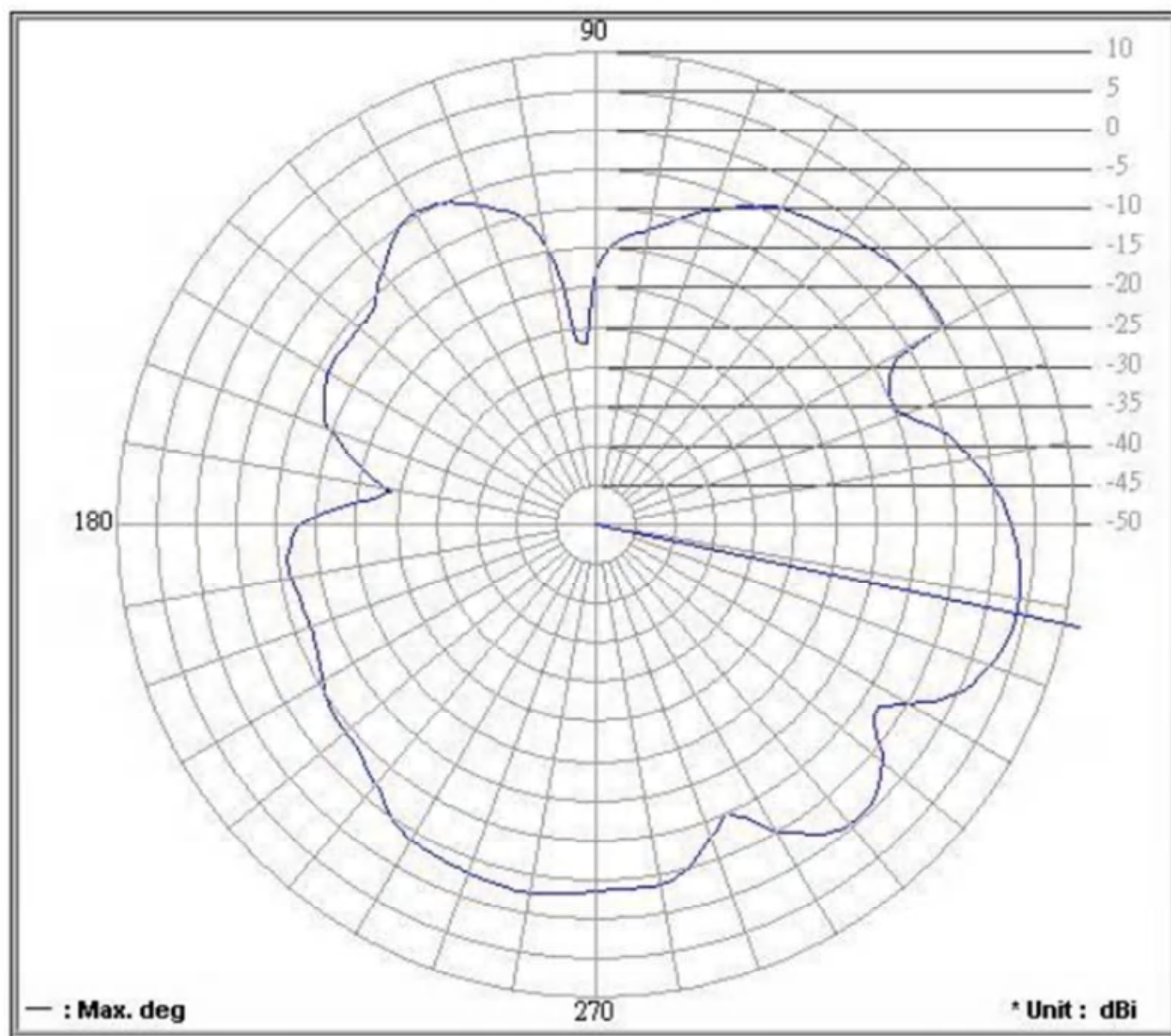
Date: 2015/11/16

Time: **15:20:43**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz): 2402

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

Location: **RF Chamber3**

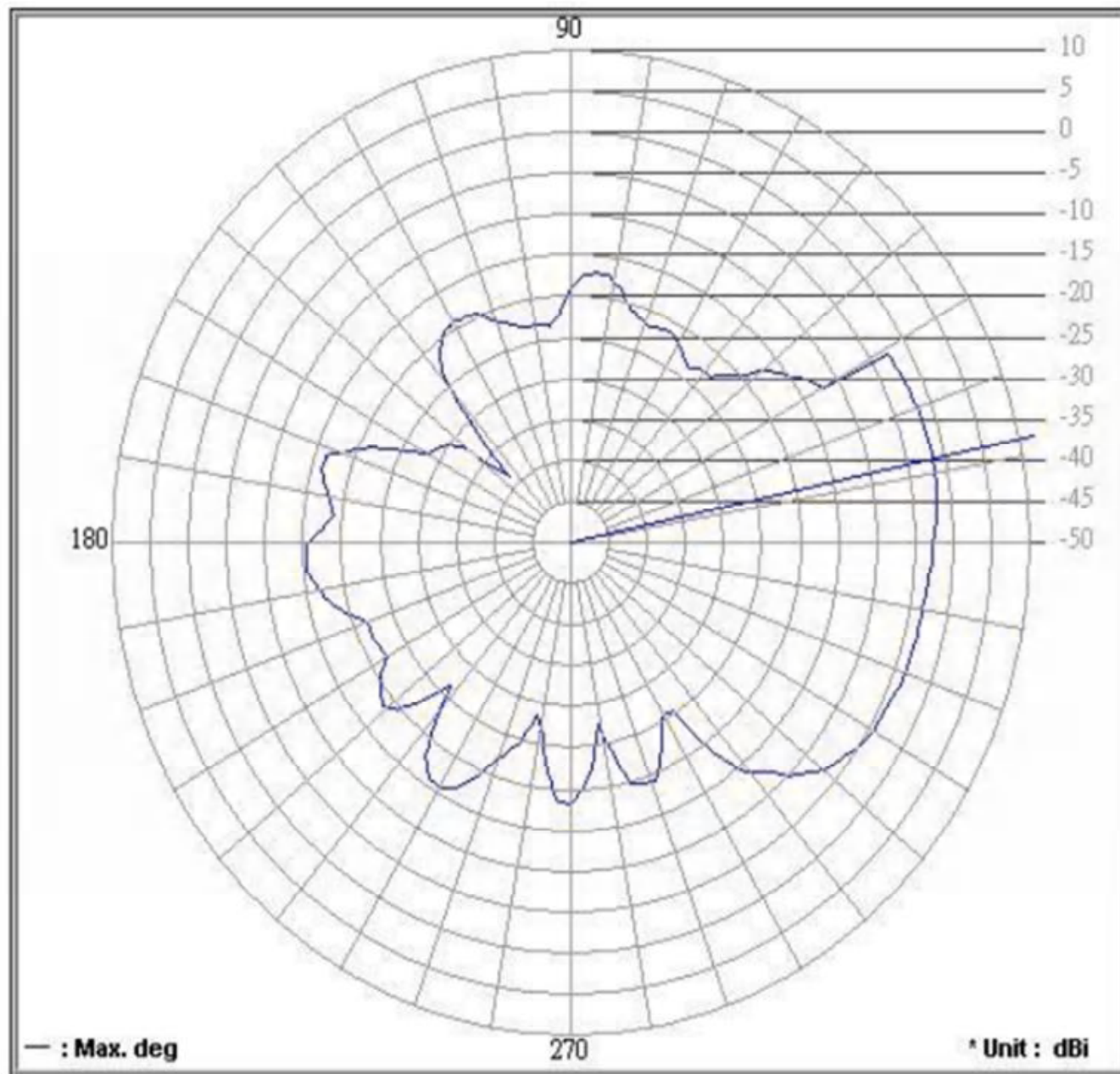
Date: 2015/11/16

Time: **15:34:49**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz): 2402

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**

2. Mainantenna :2440MHz

2.1 Horizontal

Location: **RF Chamber3**

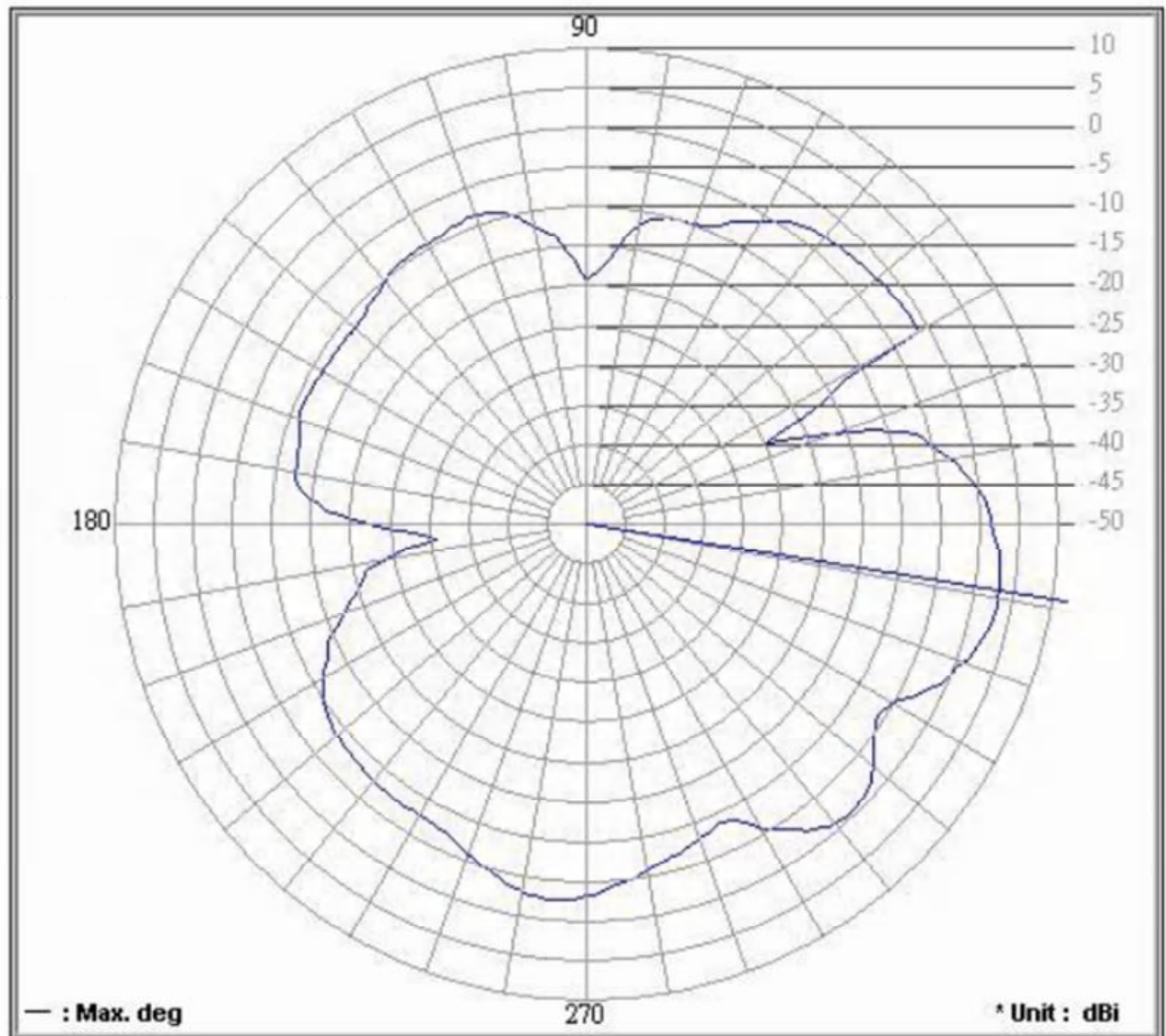
Date: 2015/11/16

Time: **15:23:51**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz): 2440

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

Location: **RF Chamber3**

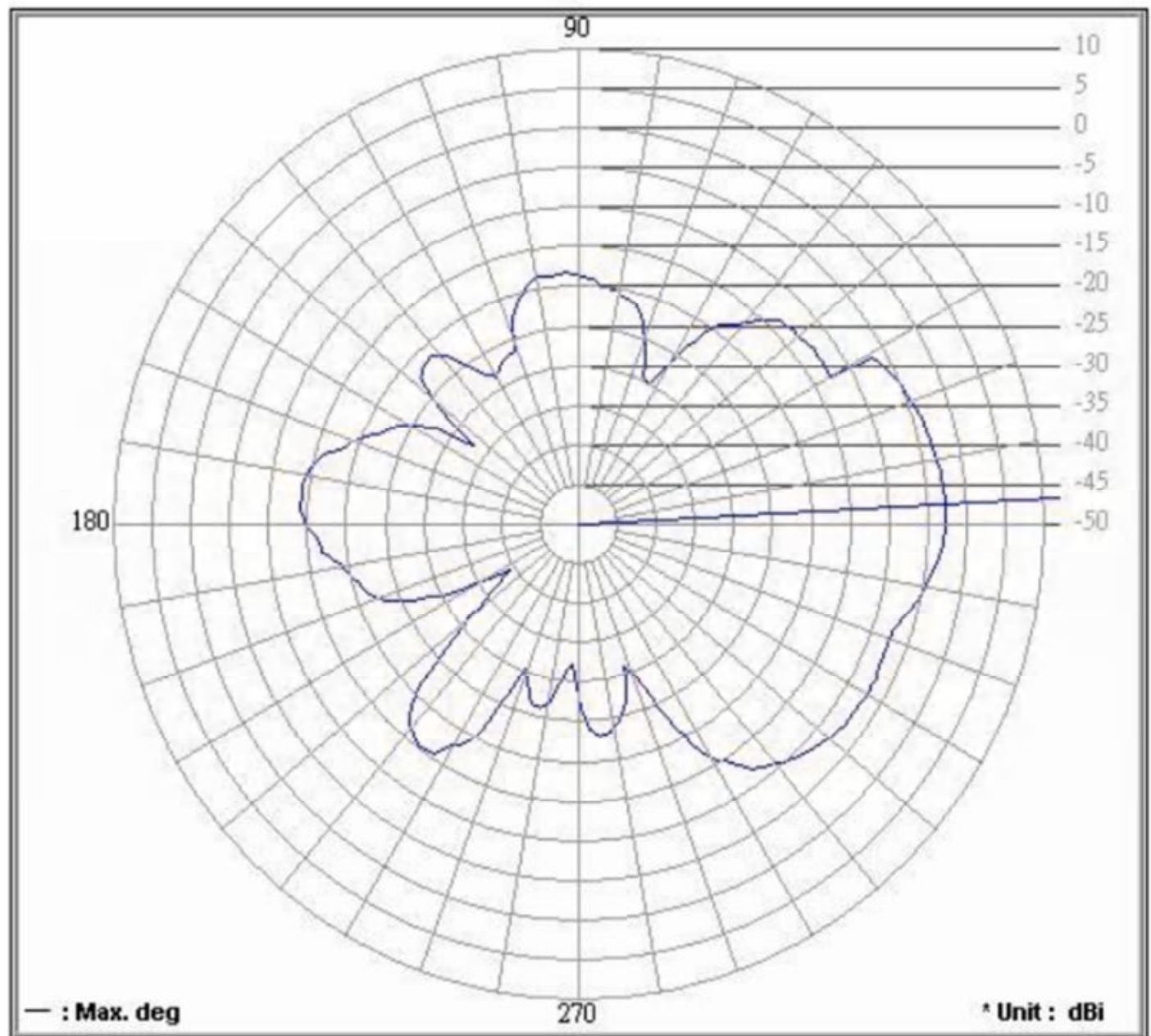
Date: 2015/11/16

Time: **15:32:20**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz): 2440

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**

3 Mainantenna :2480MHz

3.1 Horizontal

Location: **RF Chamber3**

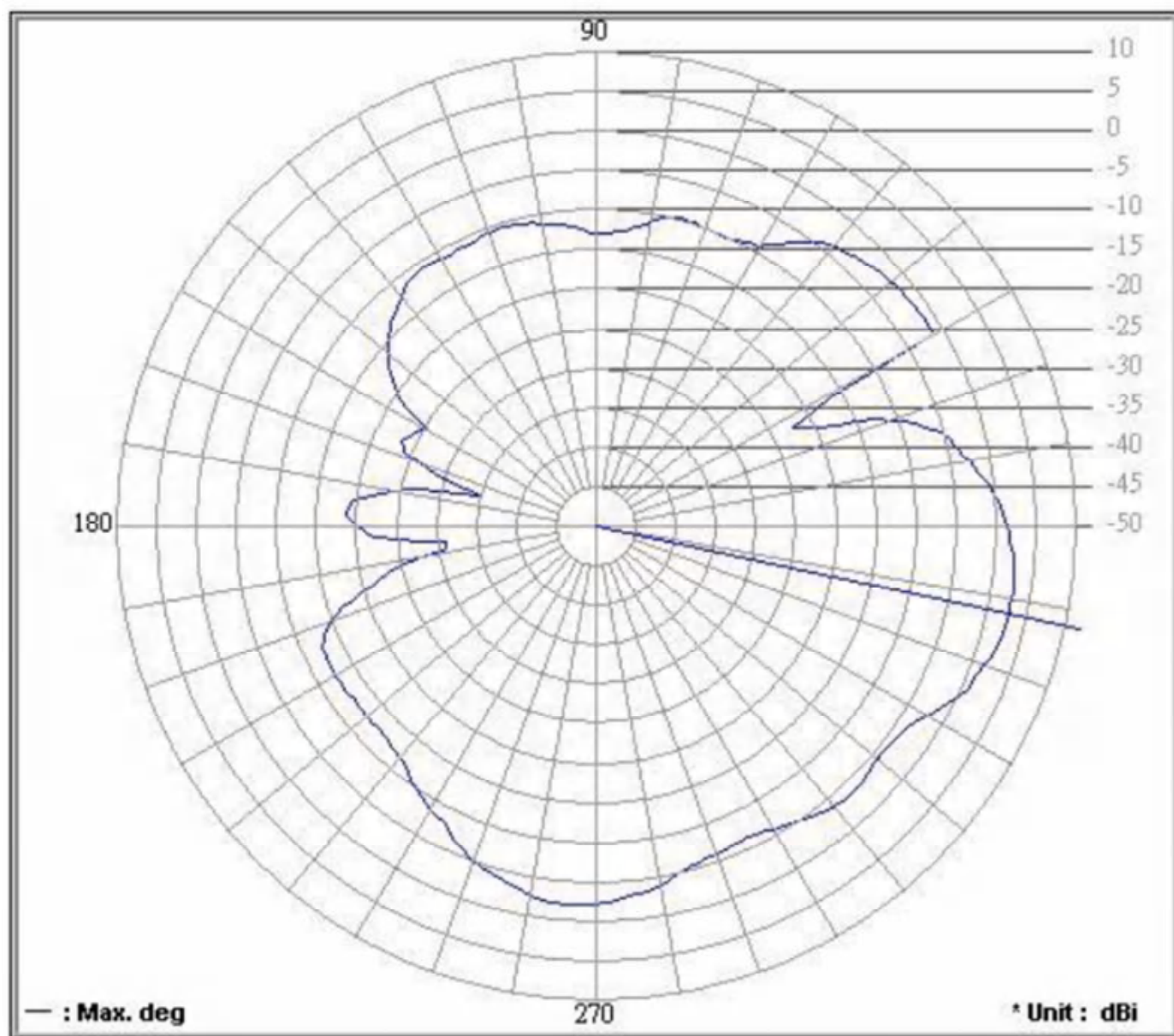
Date: 2015/11/16

Time: **15:26:19**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz) : 2480

Antenna Polarity : **Horizontal**

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

Maximum Gain (dB) : **2.80**

Maximum Gain (degree) : **348**

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

Minimum Gain (degree) : **165**

3.2 Vertical

Location: **RF Chamber3**

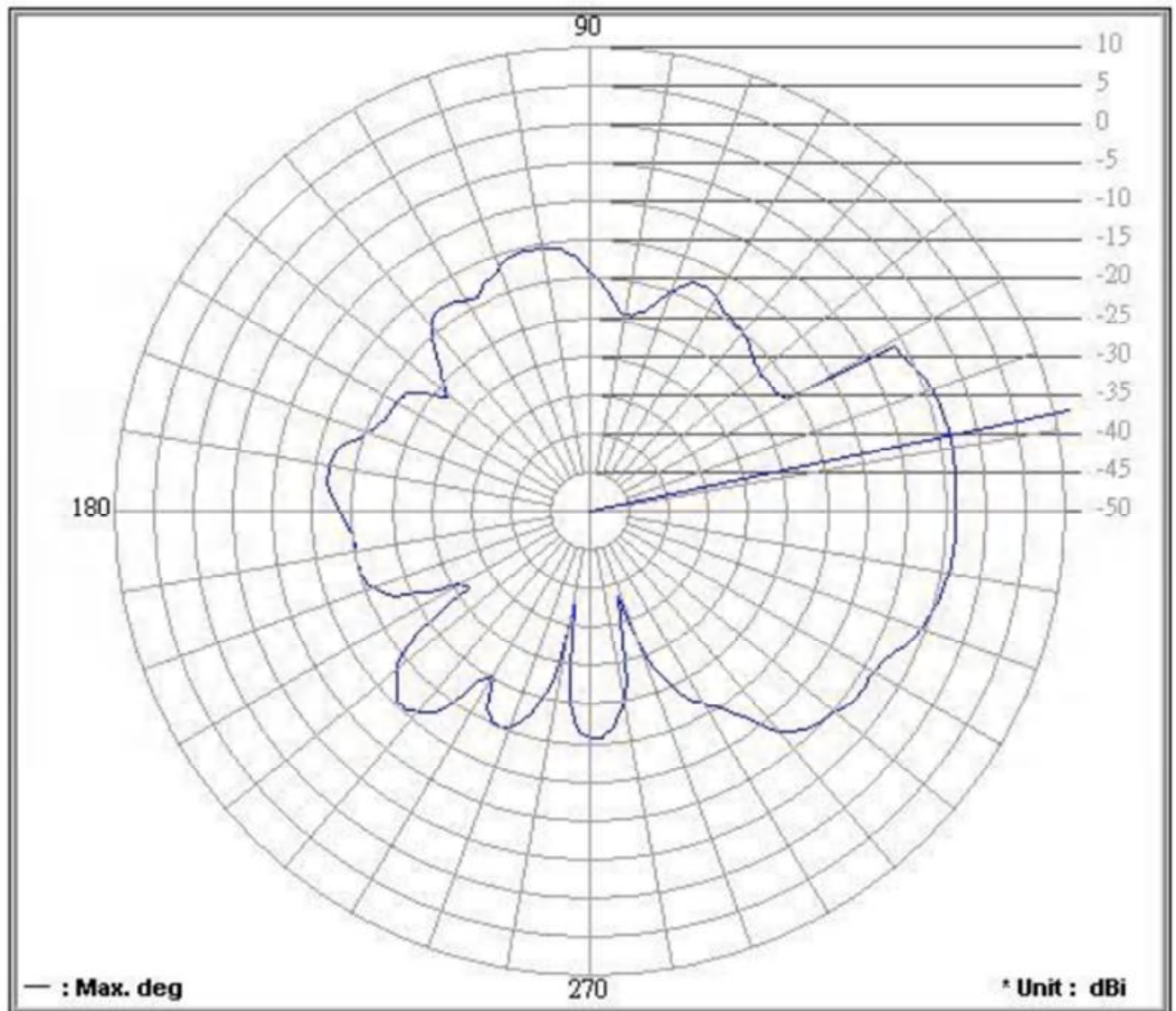
Date: 2015/11/16

Time: **15:29:55**

Temperatuer (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz) : 2480

ra Polarity : **Vertical**

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

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

Maximum Gain (degree) : **12**

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

Minimum Gain (degree) : **288**

4. Result

Center Frequency		Maximum Ant Gain
2402 MHZ	H	3.85 dBi
	V	-1.54 dBi
2440 MHZ	H	3.18 dBi
	V	-2.58 dBi
2480 MHZ	H	2.80 dBi
	V	-3.47 dBi