

1. ELECTRICAL SPECIFICATIONS

1-1 ELECTRIC LENGTH: $\lambda/4$ dipole

1-2 Antenna type: patch Antenna

1-3 FREQUENCY BAND

FREQUENCY BAND	FREQUENCY
2.4GHz	2.4GHz~2.5GHz

1-4 POLARIZATION: Horizontal and Vertical

1-5 GAIN: (see attached figure for detail)

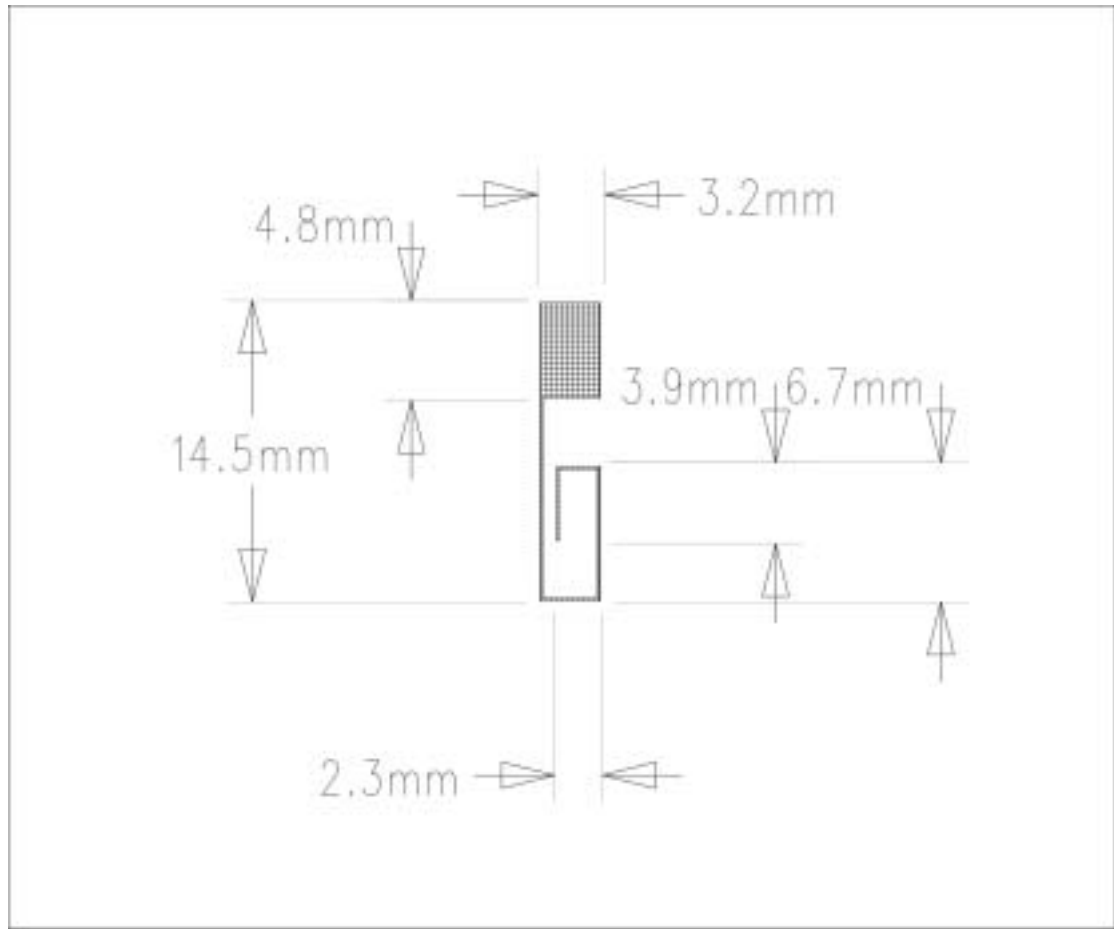
typical value (average gain)

FREQUENCY BAND	FREQUENCY	
	2.4~2.5GHz	
	Horizontal	Vertical
2.412GHz	-1.75dBi	-4.53dBi
2.447GHz	-3.14 dBi	-5.26 dBi
2.484GHz	-3.20 dBi	-6.07 dBi

2. OPERATING TEMPERATURE RANGE: -20~65

3. STORAGE TEMPERATURE: -30~75

Antenna structural drawing



ANTENNA GAIN



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http://www.adt.com.tw/ E-mail: service@mail.adt.com.tw TEL: 886-3-3270910 FAX: 886-3-3270192

Brand / Model : PCMCIA
Remark : ANT1
Tested by : JASON
EUT description : HORIZONTAL

Location:

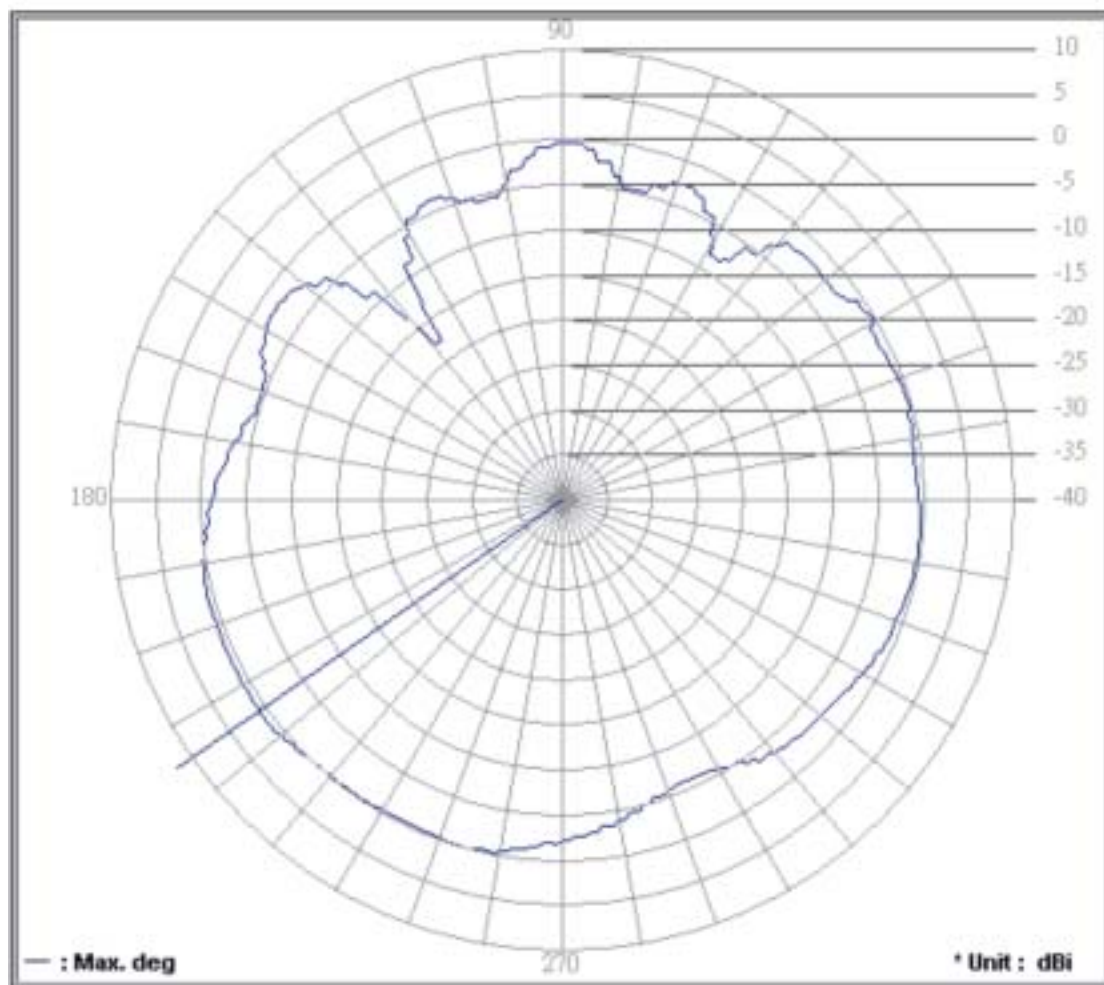
Date: 2004/3/18

Time: 下午 09:38:58

Temperatuer (°C): 20

Humidity (%): 60

Approved by:



Frequency (MHz): 2412.00

Antenna Polarity: Horizontal

Average Gain (dB): -1.75

Maximum Gain (dB): 0.89

Maximum Gain (degree): 215

Minimum Gain (dB): -17.74

Minimum Gain (degree): 127

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Brand / Model : PCMCIA
Remark : ANT1
Tested by : JASON
EUT description : VERTICAL

Location:

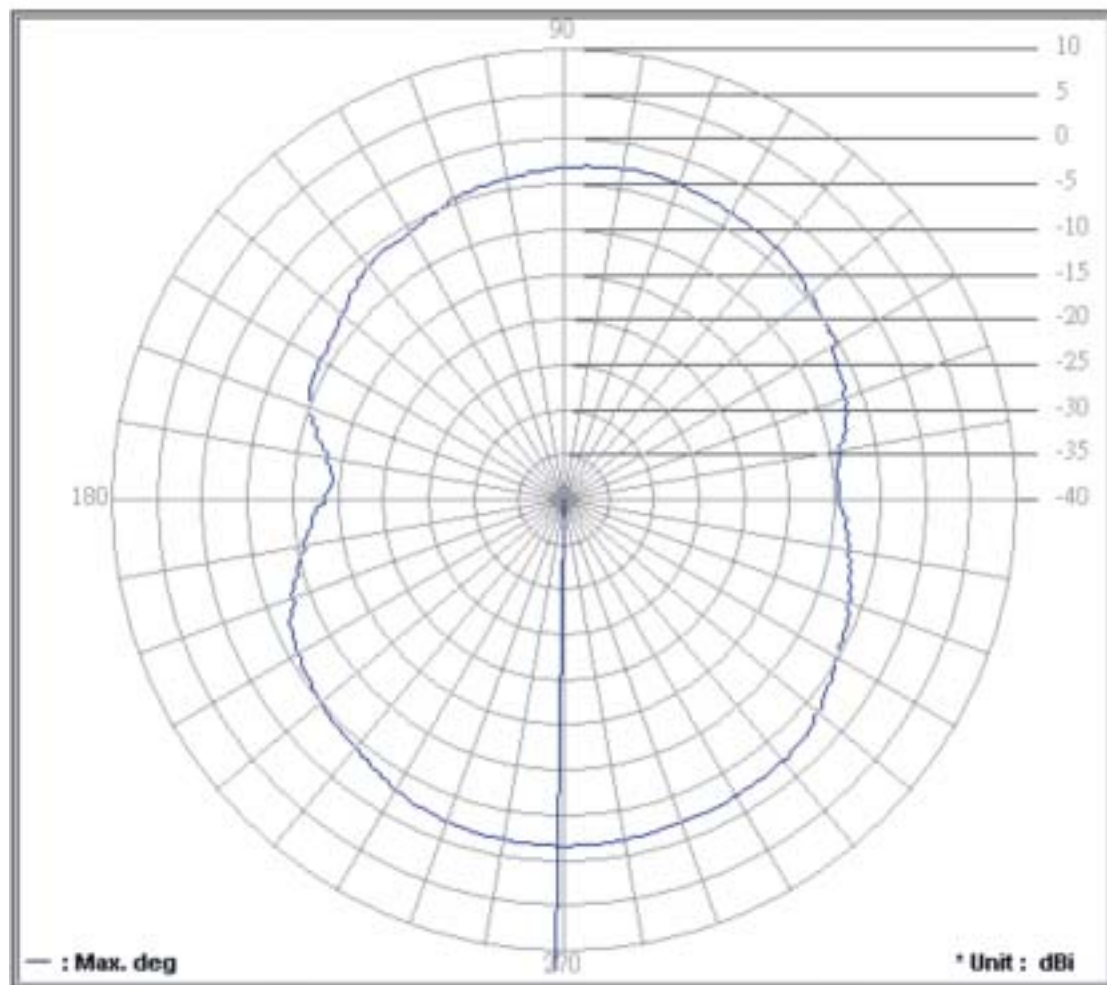
Date: **2004/3/18**

Time: **下午 09:24:31**

Temperature (°C): **20**

Humidity (%): **60**

Approved by:



Frequency (MHz): **2412.00**

Antenna Polarity : **Vertical**

Average Gain (dB): **-4.53**

Maximum Gain (dB): **-1.62**

Maximum Gain (degree): **269**

Minimum Gain (dB): **-14.27**

Minimum Gain (degree): **174**

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Brand / Model : PCMCIA
Remark : ANT1
Tested by : JASON
EUT description : HORIZONTAL

Location:

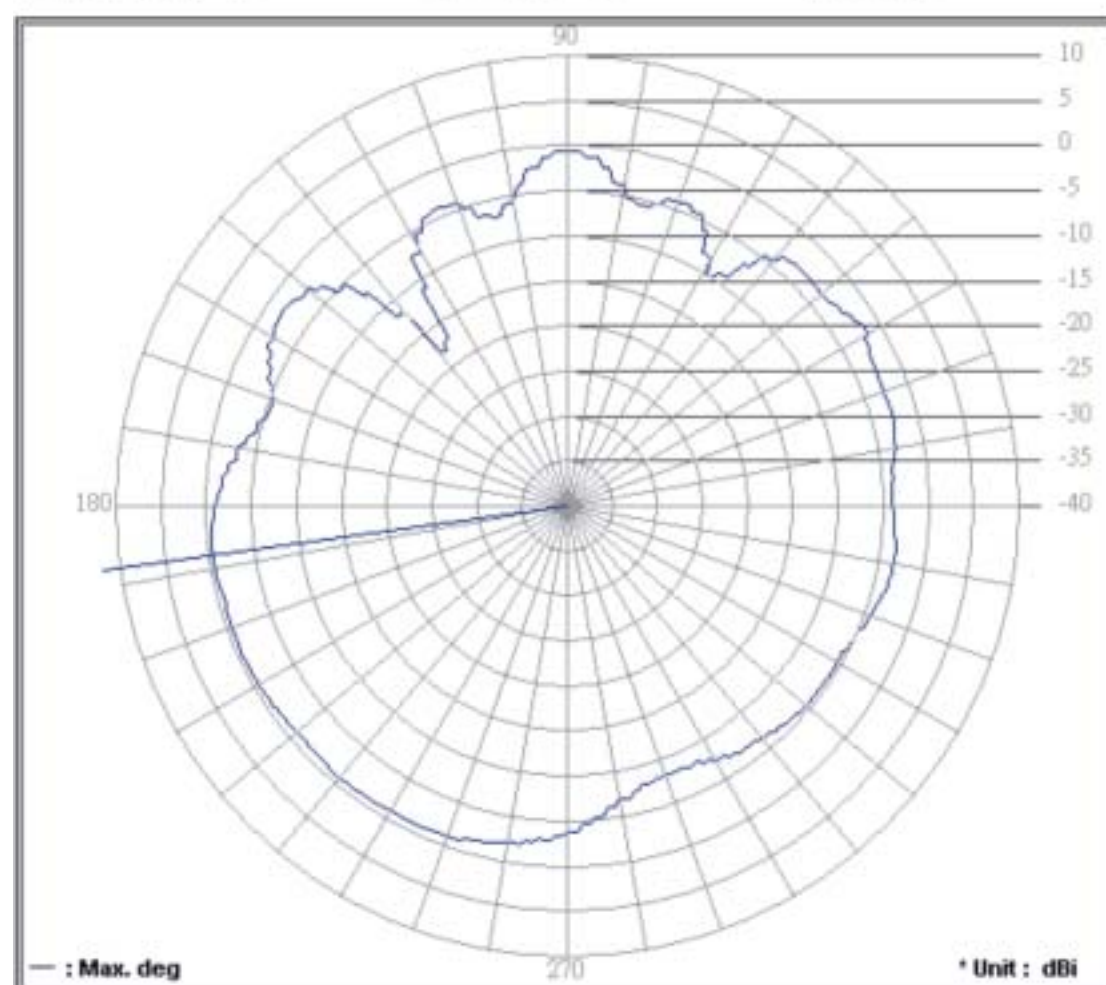
Date: **2004/3/18**

Time: **下午 09:41:35**

Temperature (°C): **20**

Humidity (%): **60**

Approved by:



Frequency (MHz): **2447.00**

Antenna Polarity: **Horizontal**

Average Gain (dB): **-3.14**

Maximum Gain (dB): **-0.37**

Maximum Gain (degree): **188**

Minimum Gain (dB): **-18.12**

Minimum Gain (degree): **128**

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Brand / Model : PCMCIA
Remark : ANT1
Tested by : JASON
EUT description : VERTICAL

Location:

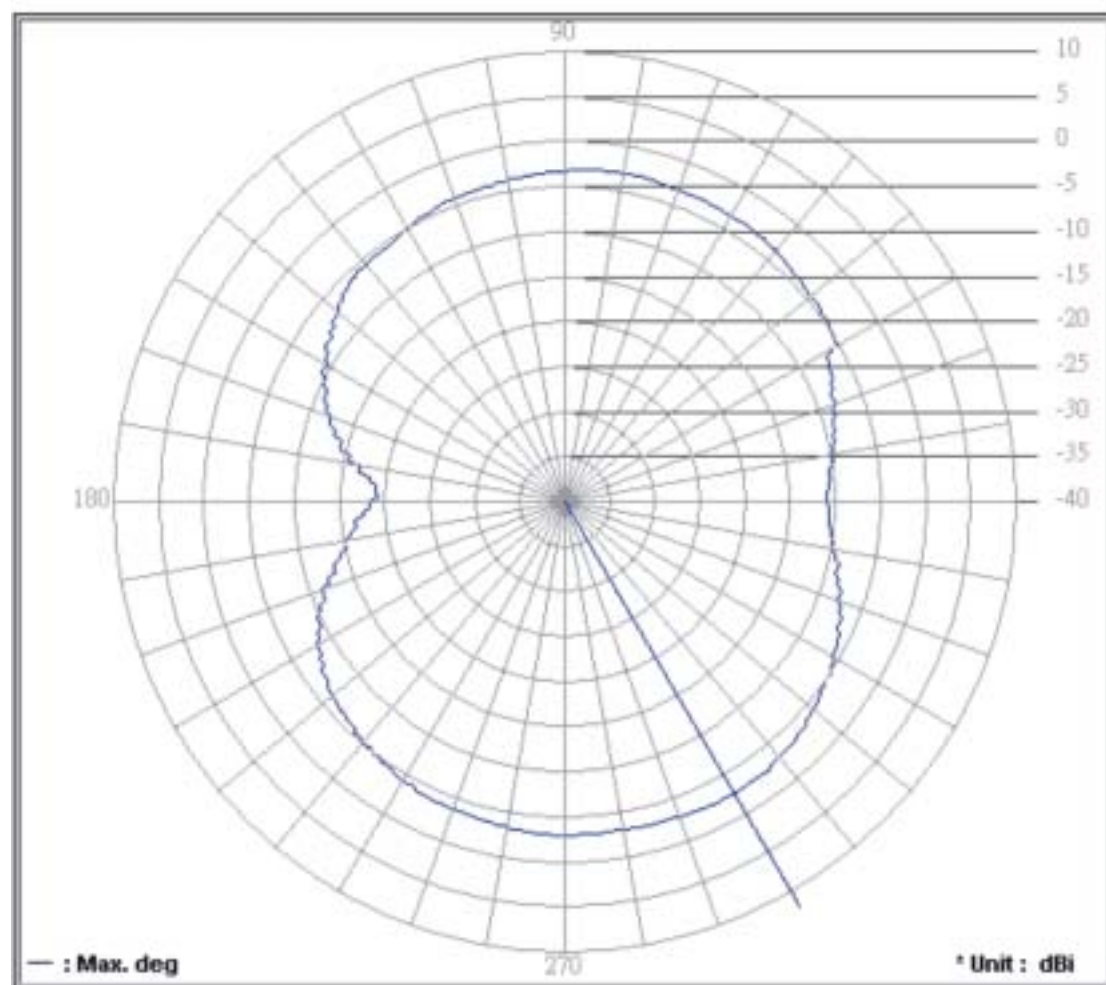
Date: 2004/3/18

Time: 下午 09:26:56

Temperature (°C): 20

Humidity (%): 60

Approved by:



Frequency (MHz): 2447.00

Antenna Polarity: Vertical

Average Gain (dB): -5.26

Maximum Gain (dB): -2.58

Maximum Gain (degree): 300

Minimum Gain (dB): -19.24

Minimum Gain (degree): 178

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Brand / Model : PCMCIA
Remark : ANT1
Tested by : JASON
EUT description : HORIZONTAL

Location:

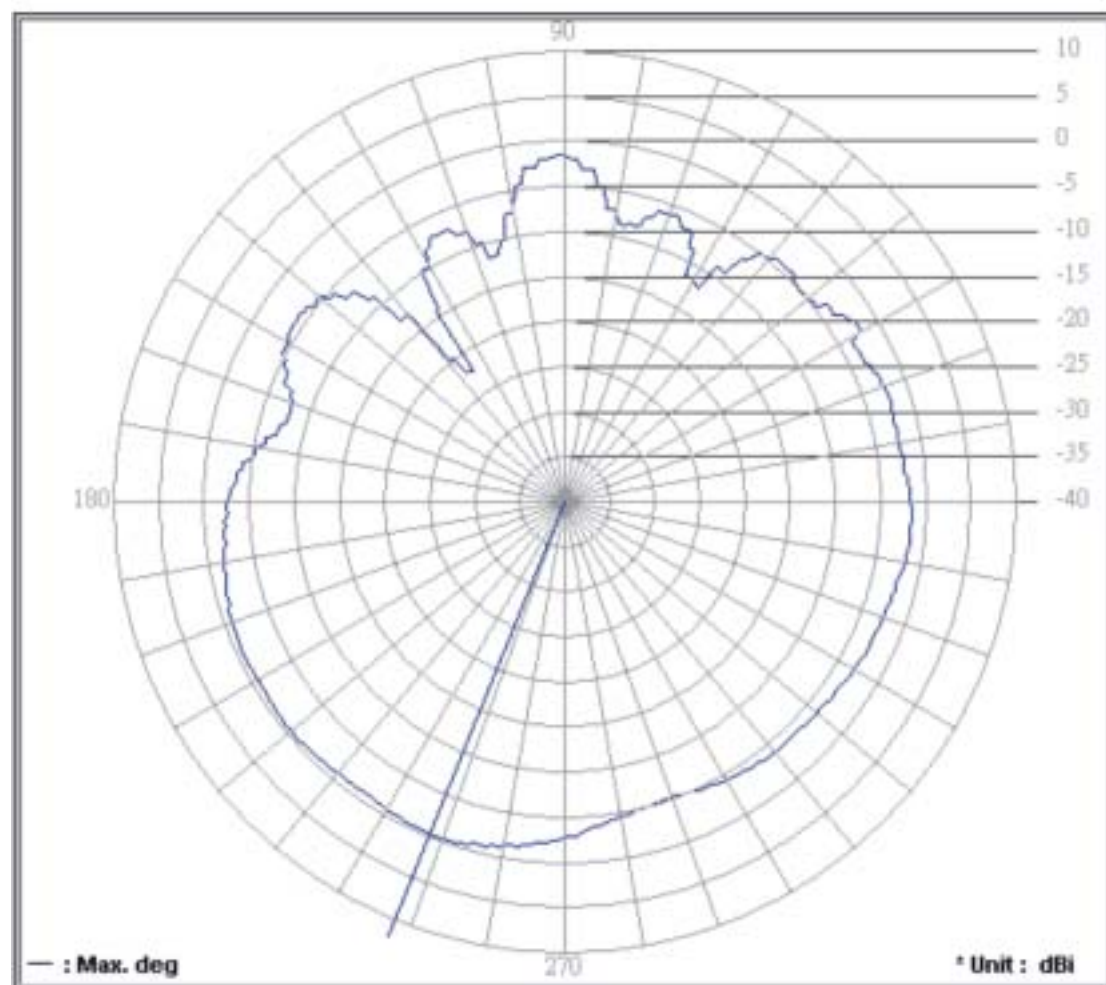
Date: 2004/3/18

Time: 下午 09:44:19

Temperature (°C): 20

Humidity (%): 60

Approved by:



Frequency (MHz): 2484.00

Antenna Polarity: Horizontal

Average Gain (dB): -3.20

Maximum Gain (dB): -0.23

Maximum Gain (degree): 248

Minimum Gain (dB): -22.19

Minimum Gain (degree): 125

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Brand / Model : PCMCIA
Remark : ANT1
Tested by : JASON
EUT description : VERTICAL

Location:

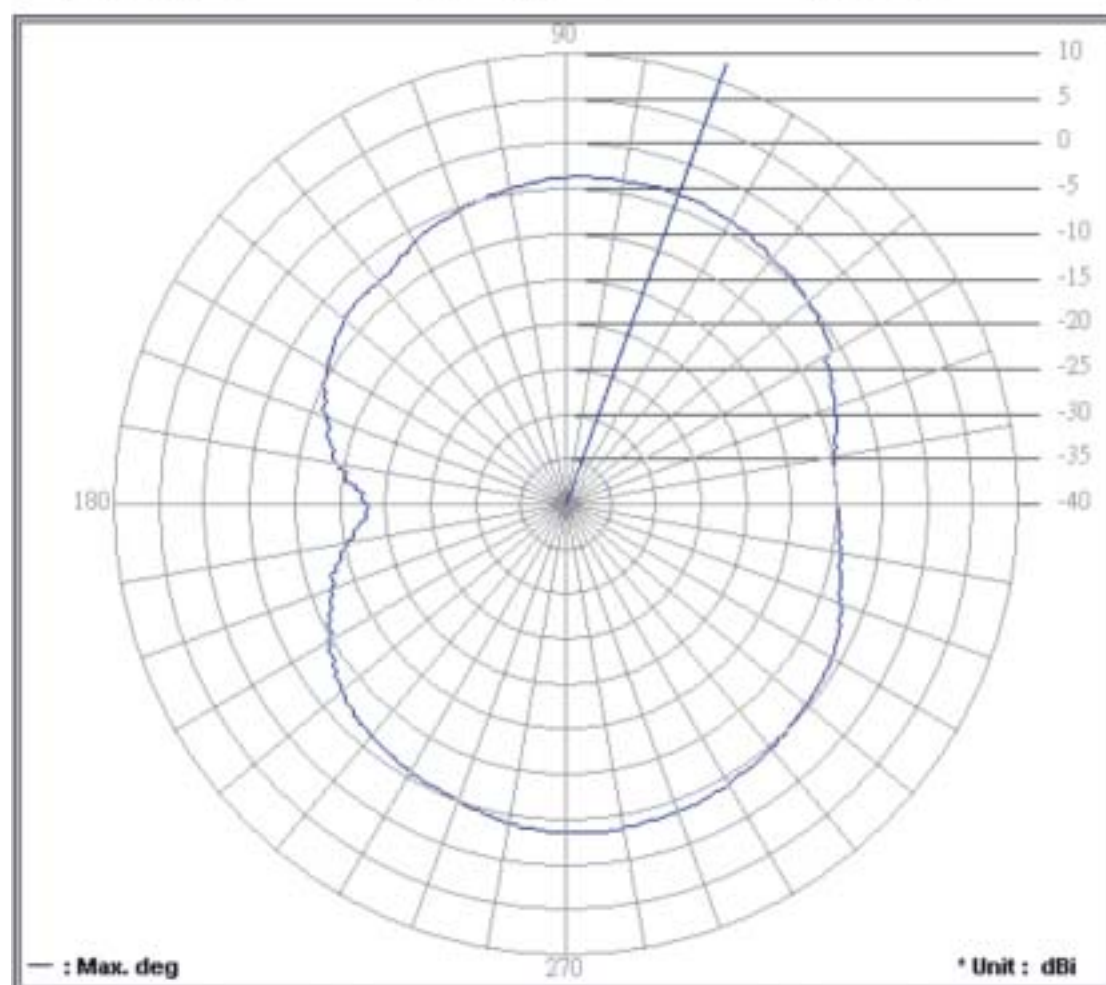
Date: **2004/3/18**

Time: **下午 09:29:06**

Temperature (°C): **20**

Humidity (%): **60**

Approved by:



Frequency (MHz): **2484.00**

Antenna Polarity: **Vertical**

Average Gain (dB): **-6.07**

Maximum Gain (dB): **-3.35**

Maximum Gain (degree): **70**

Minimum Gain (dB): **-18.08**

Minimum Gain (degree): **180**

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