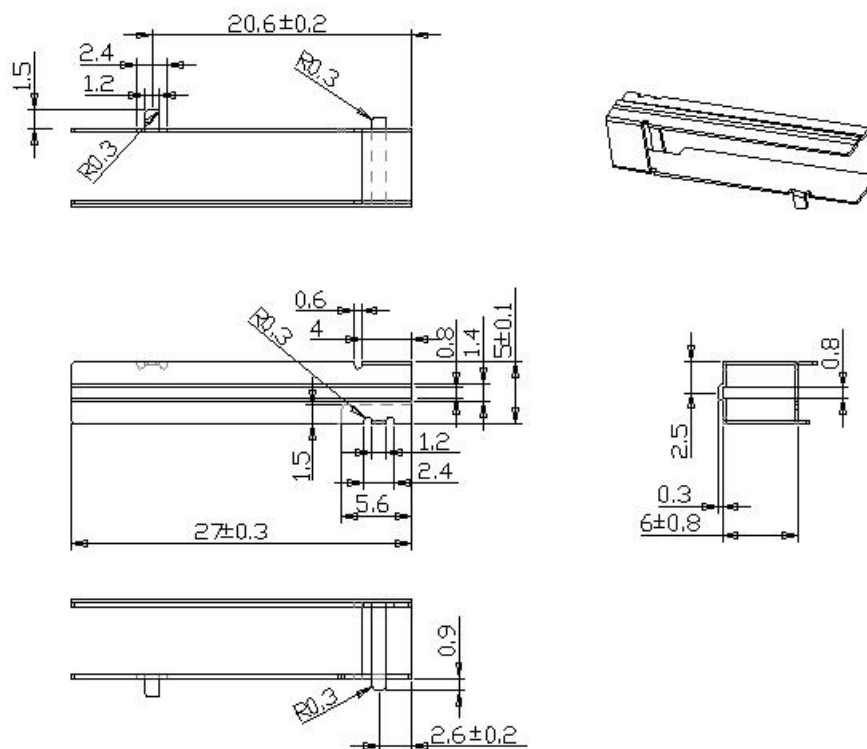


Electrical Specification

- Frequency Range: 2400 – 2500 MHz
- Impedance: 50 ohms nominal
- VSWR: <2:1 Across band
- Polarization: Linear
- Average Gain:
Y-Z plane: -1.7 dBi, X-Y plane: -3.9 dBi
- Maximum gain:
Y-Z plane: 1.7 dBi, X-Y plane: -0.9 dBi

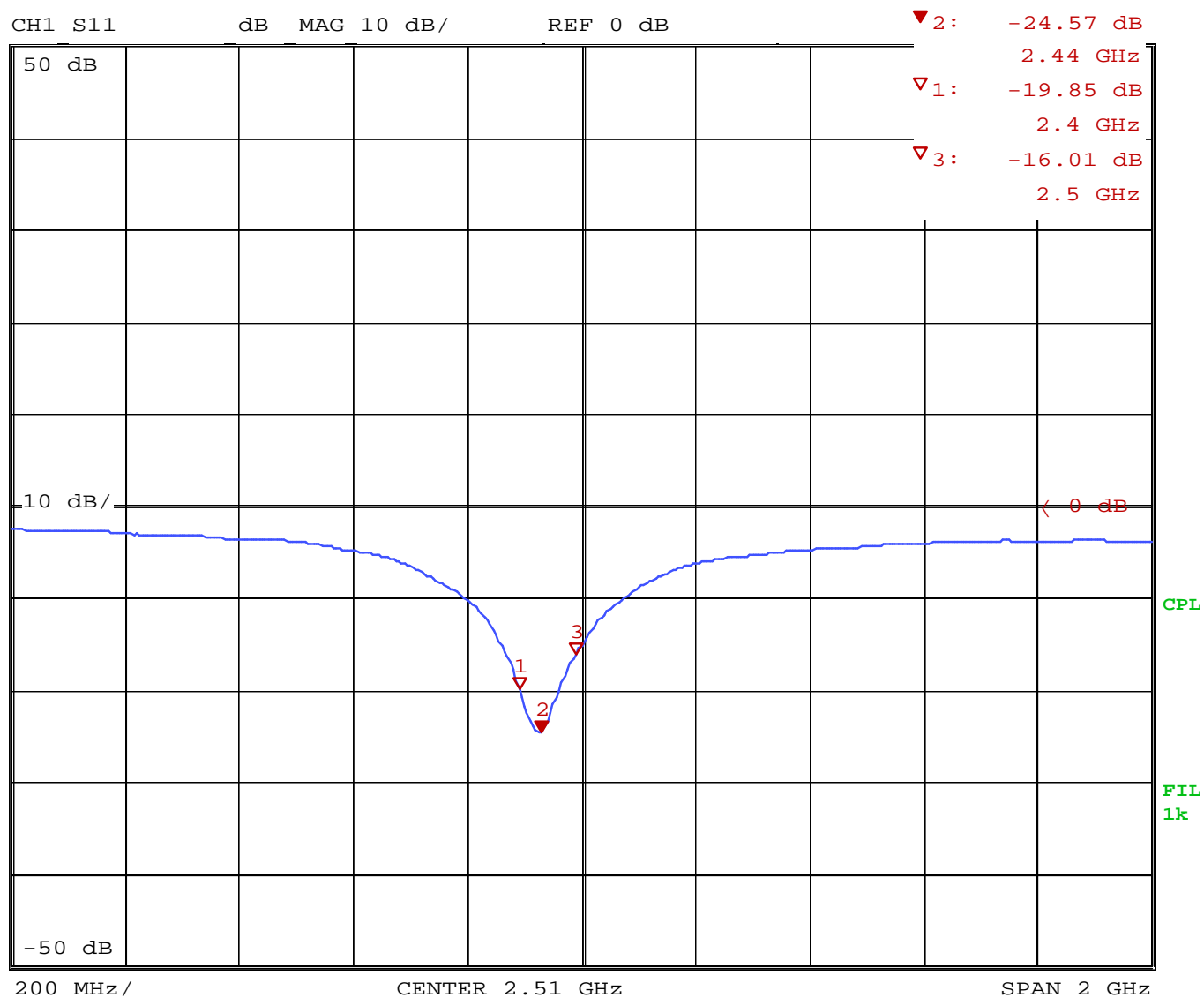
Mechanical Specification

- Size: 27×5×6mm(L×W×H)
- Temperature: -40°C to +85°C
- Mounting: Surface mount
- Mechanical specification



Mechanical specification of Rib PIFA

Typical Return Loss

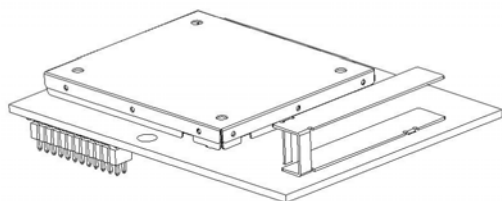


Date: 12.OCT.04 15:28:18

Return loss of the Rib PIFA

Antenna Radiation patterns

- X-Y Plane



X-Y plane location (with IA8 core module)



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

Brand / Model : RIB_H6-1 X-Y

Remark : 2440MHz

Tested by : Moris Lin

EUT description :

Location: **Chamber C**

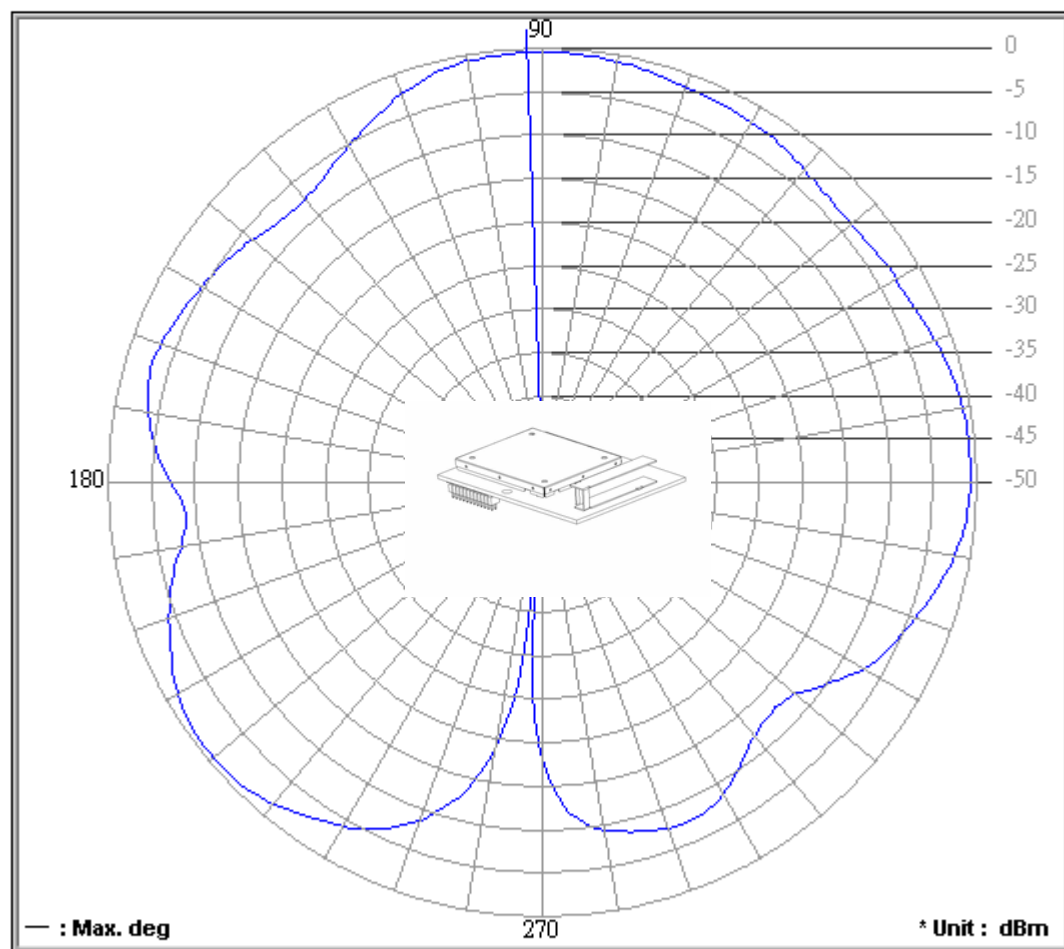
Date: **2004/9/30**

Time: **下午 07:14:06**

Temperatuer (°C): **27**

Humidity (%): **62**

Approved by:



Frequency (MHz): **2440.00**

Antenna Polarity : **Horizontal**

Average Gain (dB) : **-3.69**

Maximum Gain (dB) : **-0.40**

Maximum Gain (degree) : **92**

Minimum Gain (dB) : **-43.79**

Minimum Gain (degree) : **265**

D:\Antenna Pattern V5.0\Graph\0930\09300010.png



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

Brand / Model : RIB_H6-1 X-Y

Remark : 2440MHz

Tested by : Moris Lin

EUT description :

Location: **Chamber C**

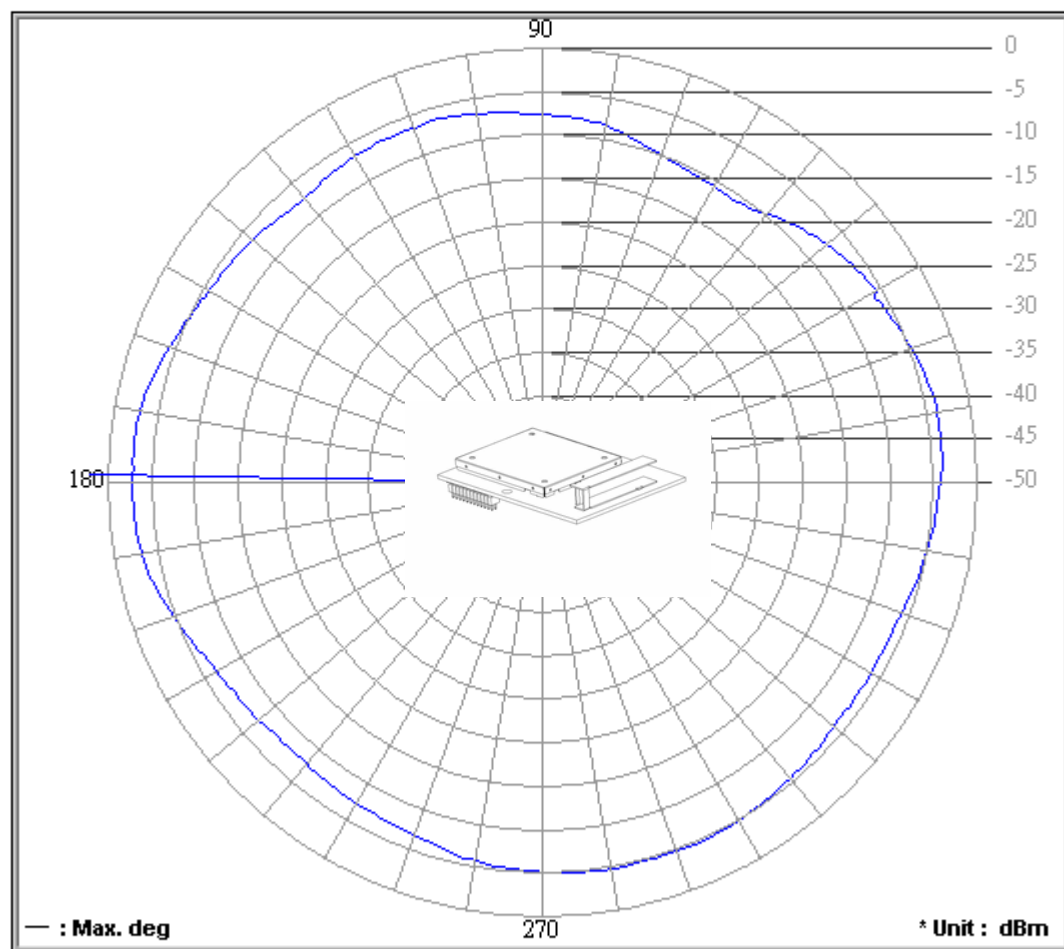
Date: **2004/9/30**

Time: **下午 07:11:37**

Temperatuer (°C): **27**

Humidity (%): **62**

Approved by:



Frequency (MHz): **2440.00**

Antenna Polarity : **Vertical**

Average Gain (dB) : **-5.76**

Maximum Gain (dB) : **-2.76**

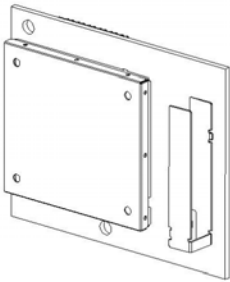
Maximum Gain (degree) : **179**

Minimum Gain (dB) : **-10.80**

Minimum Gain (degree) : **57**

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- X-Z Plane



X-Z plane location (with IA8 core module)



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

Brand / Model : RIB_H6-1 X-Z

Remark : 2440MHz

Tested by : Moris Lin

EUT description :

Location: **Chamber C**

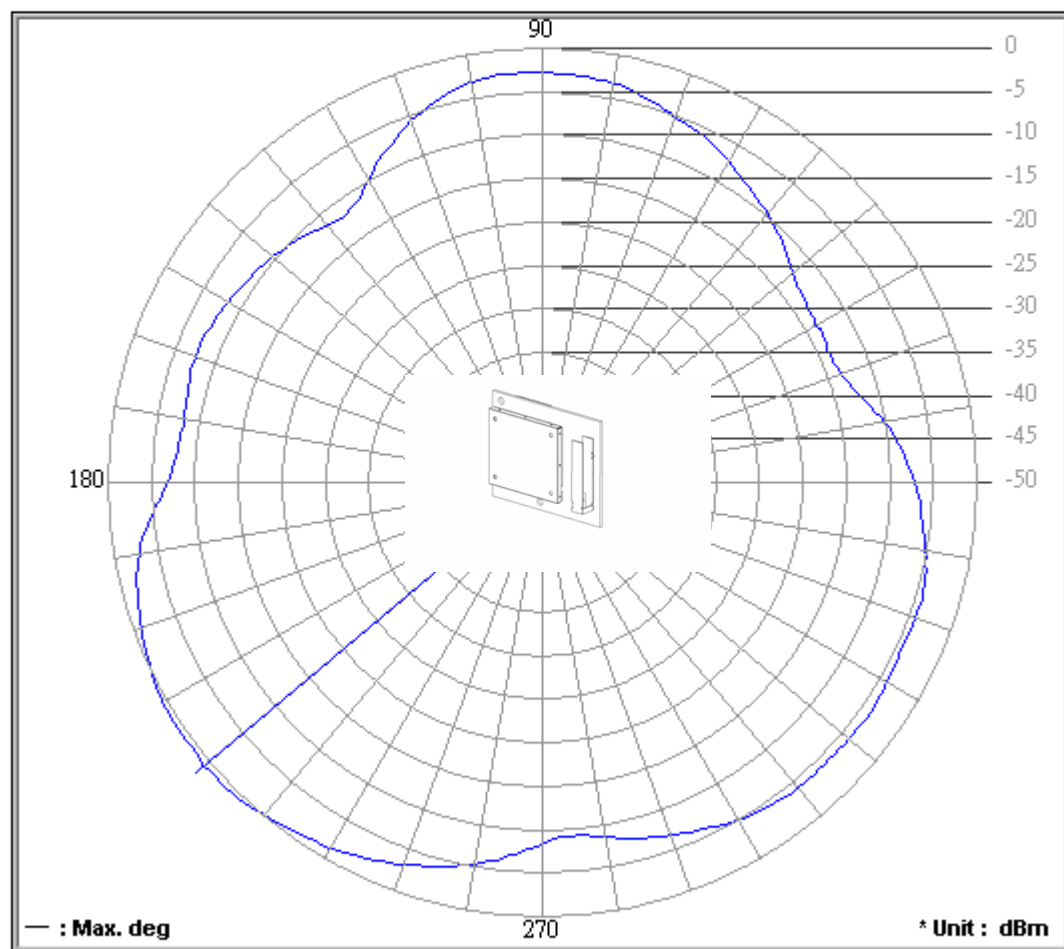
Date: **2004/9/30**

Time: **下午 07:16:12**

Temperatuer (°C): **27**

Humidity (%): **62**

Approved by:



Frequency (MHz): **2440.00**

Antenna Polarity : **Horizontal**

Average Gain (dB) : **-4.61**

Maximum Gain (dB) : **0.73**

Maximum Gain (degree) : **220**

Minimum Gain (dB) : **-13.89**

Minimum Gain (degree) : **25**

D:\Antenna Pattern V5.0\Graph\0930\09300011.png



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Brand / Model : RIB_H6-1 X-Z

Remark : 2440MHz

Tested by : Moris Lin

EUT description :

Location: **Chamber C**

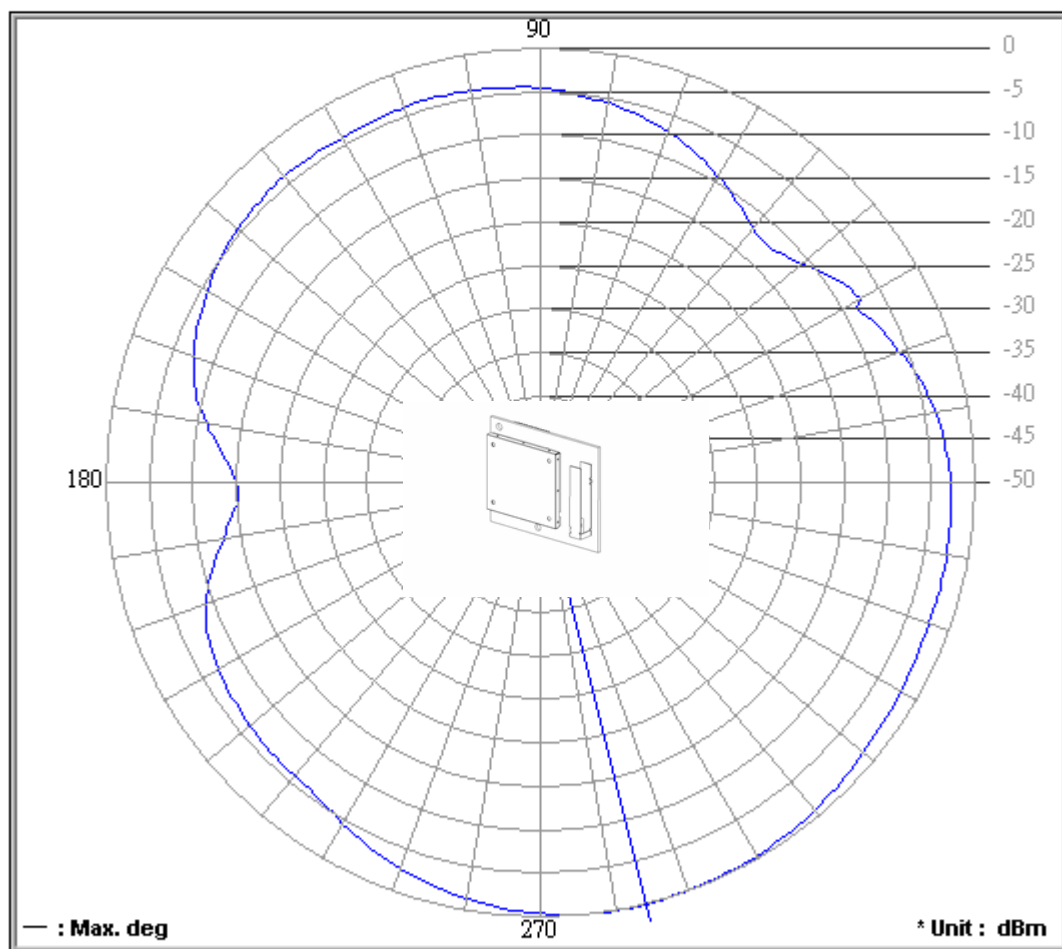
Date: **2004/9/30**

Time: **下午 07:18:39**

Temperatuer (°C): **27**

Humidity (%): **62**

Approved by:



Frequency (MHz): **2440.00**

Antenna Polarity : **Vertical**

Average Gain (dB) : **-3.94**

Maximum Gain (dB) : **0.16**

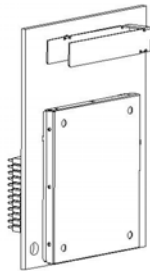
Maximum Gain (degree) : **284**

Minimum Gain (dB) : **-15.20**

Minimum Gain (degree) : **181**

D:\Antenna Pattern V5.0\Graph\0930\09300012.png

- Y-Z Plane



Y-Z plane location (with IA8 core module)



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

Brand / Model : RIB_H6-1 Y-Z

Remark : 2440MHz

Tested by : Morris Lin

EUT description :

Location: **Chamber C**

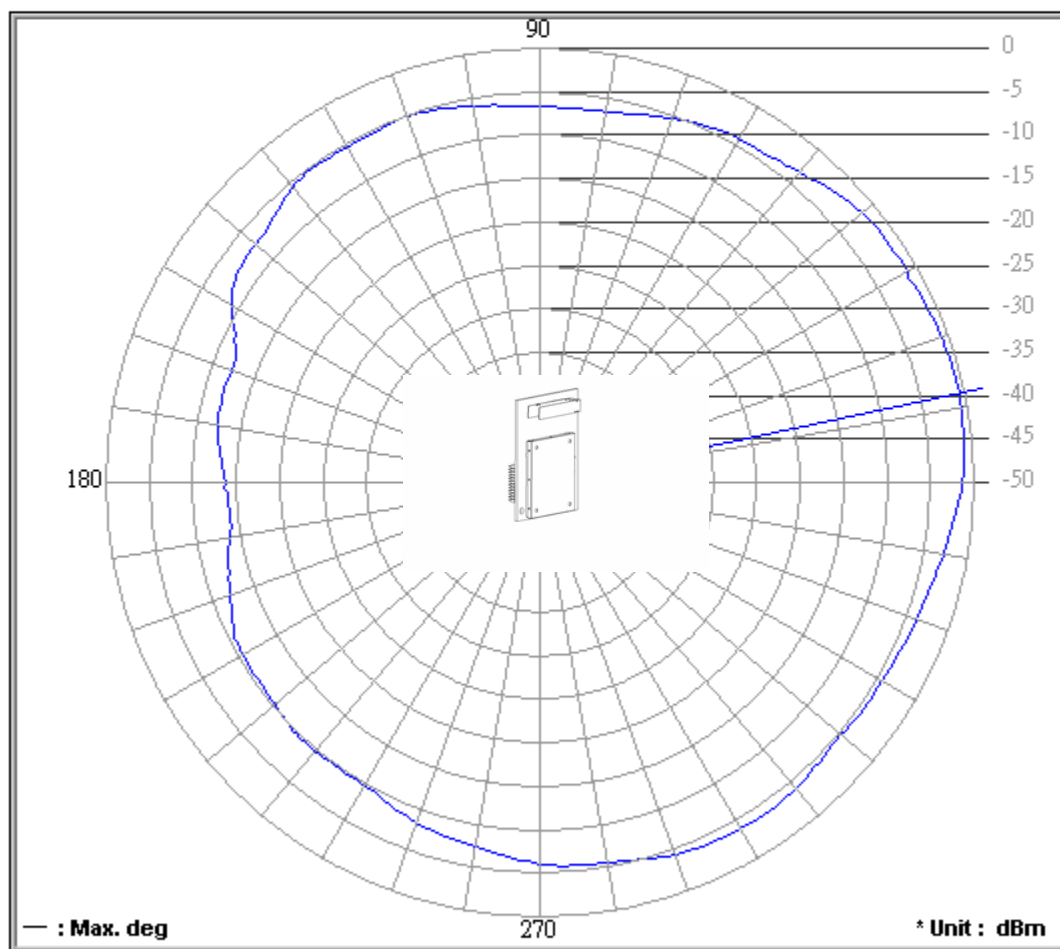
Date: **2004/9/30**

Time: **下午 07:23:40**

Temperatuer (°C): **27**

Humidity (%): **62**

Approved by:



Frequency (MHz): **2440.00**

Antenna Polarity: **Horizontal**

Average Gain (dB): **-5.09**

Maximum Gain (dB): **-0.62**

Maximum Gain (degree): **12**

Minimum Gain (dB): **-14.15**

Minimum Gain (degree): **185**

D:\Antenna Pattern V5.0\Graph\0930\09300014.png



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

Brand / Model : RIB_H6-1 Y-Z

Remark : 2440MHz

Tested by : Moris Lin

EUT description :

Location: **Chamber C**

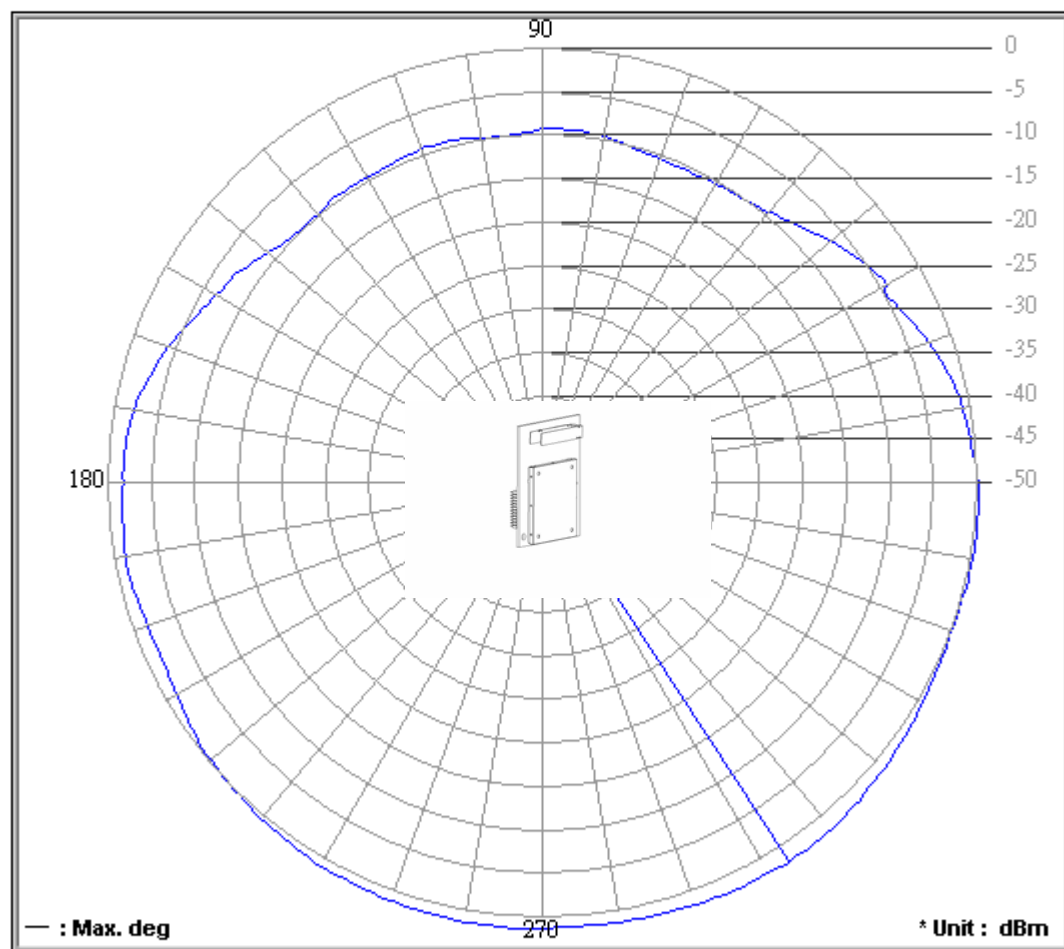
Date: **2004/9/30**

Time: **下午 07:20:43**

Temperatuer (°C): **27**

Humidity (%): **62**

Approved by:



Frequency (MHz): **2440.00**

Antenna Polarity : **Vertical**

Average Gain (dB) : **-1.41**

Maximum Gain (dB) : **2.08**

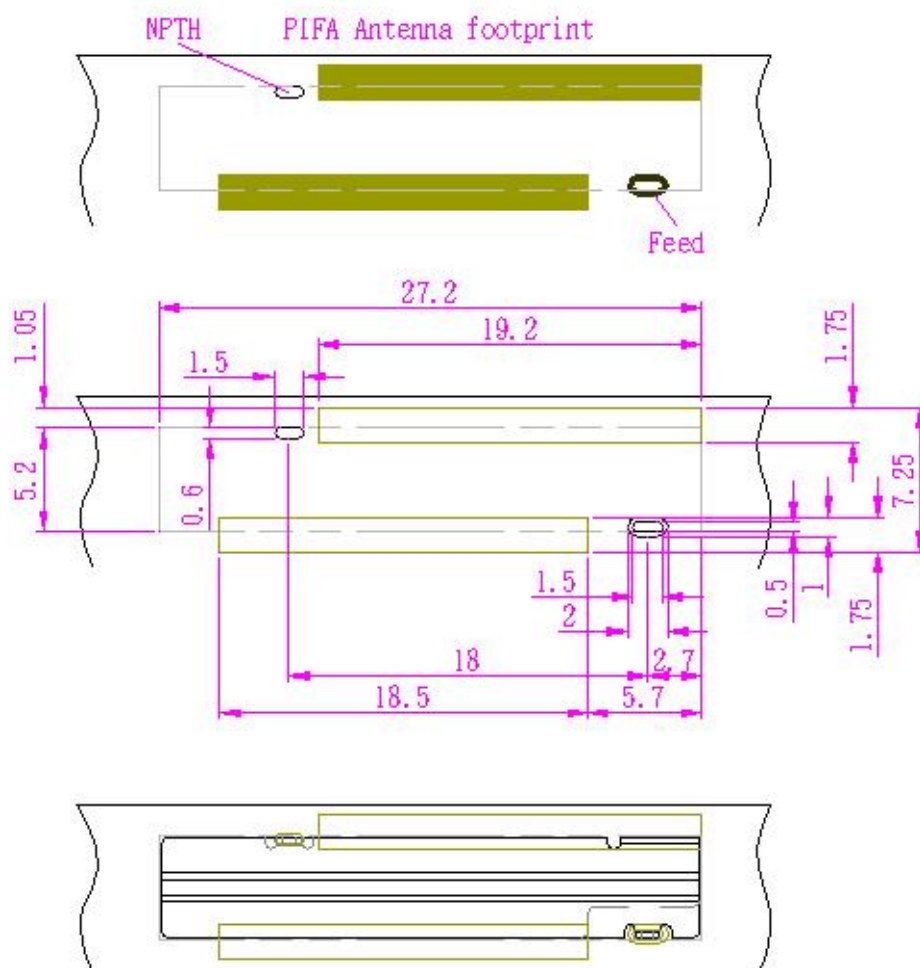
Maximum Gain (degree) : **303**

Minimum Gain (dB) : **-10.45**

Minimum Gain (degree) : **64**

D:\Antenna Pattern V5.0\Graph\0930\09300013.png

PCB Footprint



Clear Area

