



Well Green Technology Co., Ltd

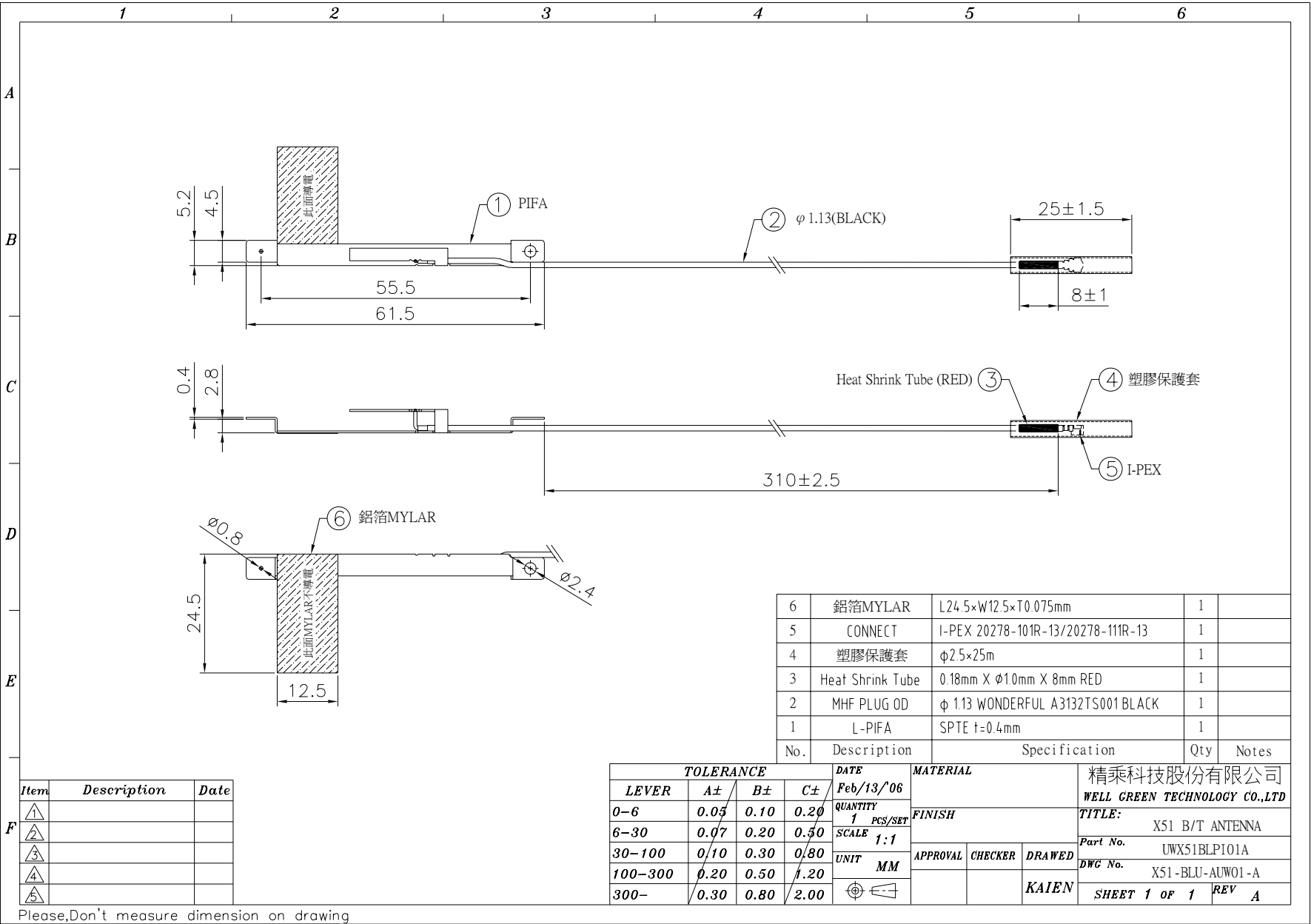
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PingJen City, TaoYuan Hsien, Taiwan, R.O.C
TEL: (03)420-6428 FAX: (03) 420-6418

X51

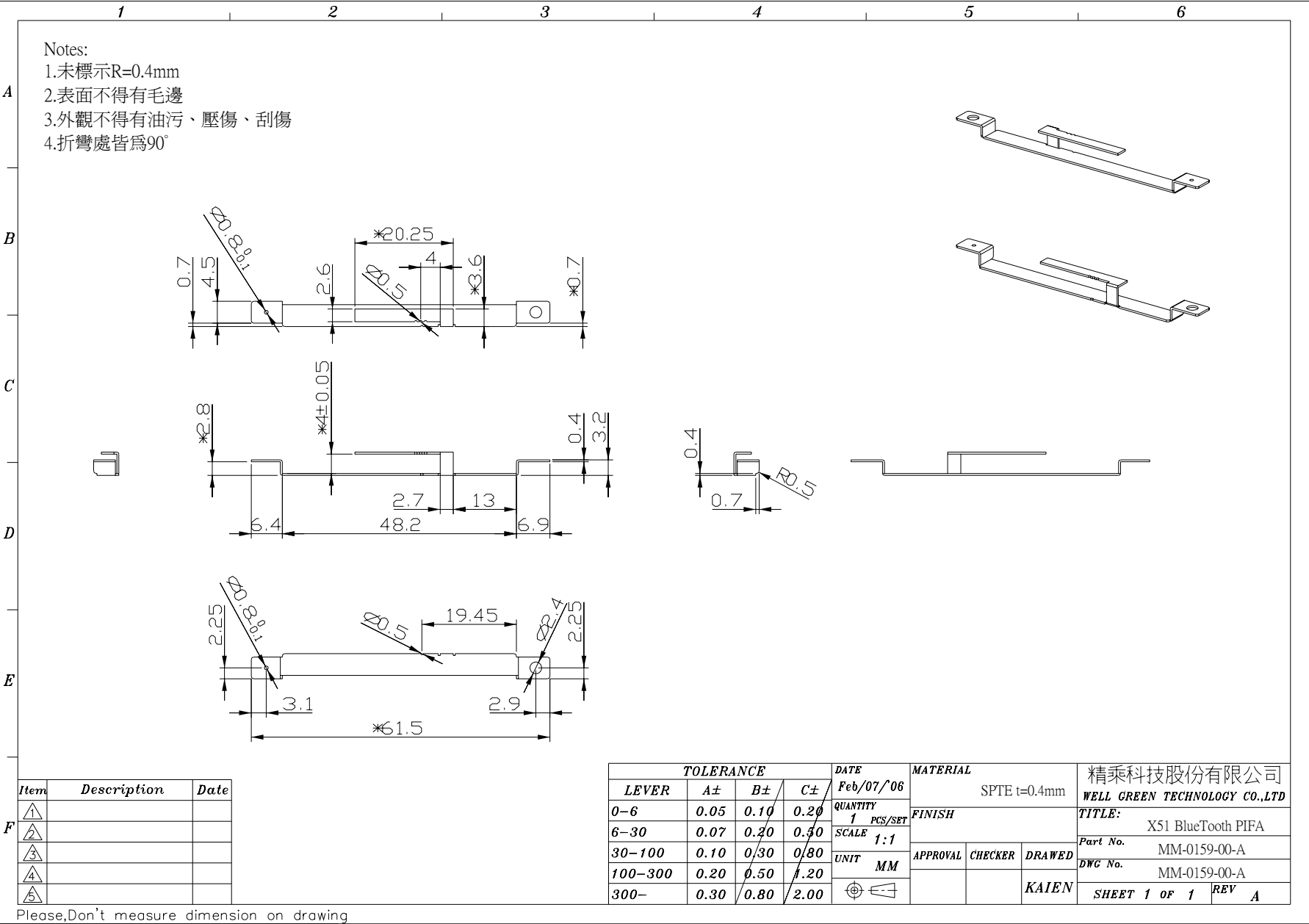
Antenna Test Report

RD Manager	Supervisor	RD engineer	Sales engineer
David	Johnson	Jason	Jerry

一、成品圖



二、零件圖



BOM 表

1

2

3

4

5

6

A

B

C

D

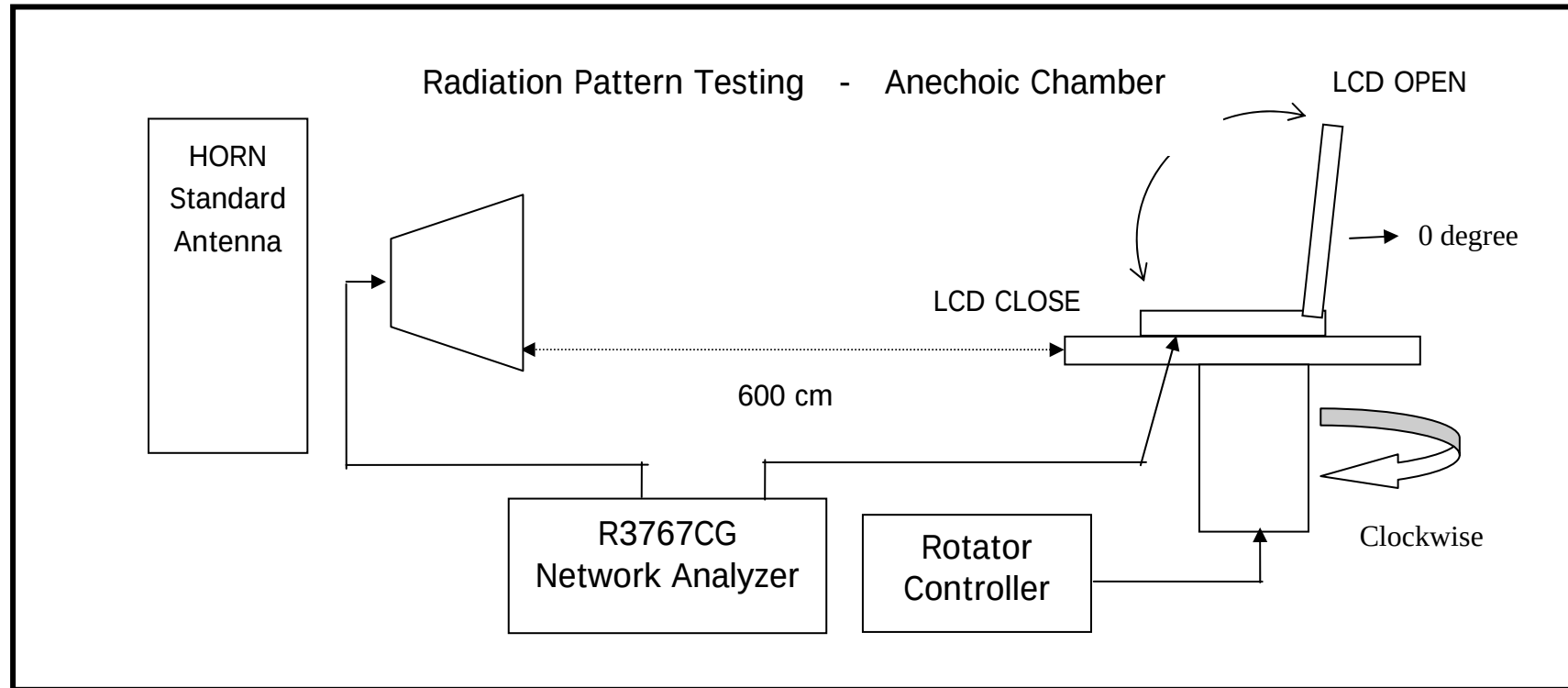
E

F

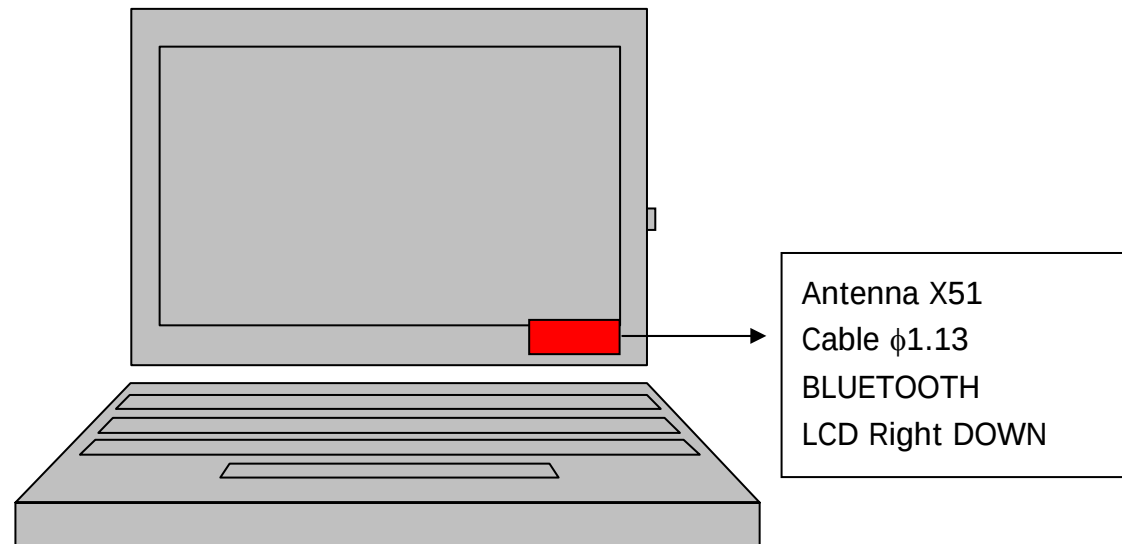
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三、Antenna Testing Conditions:

1. Testing set up

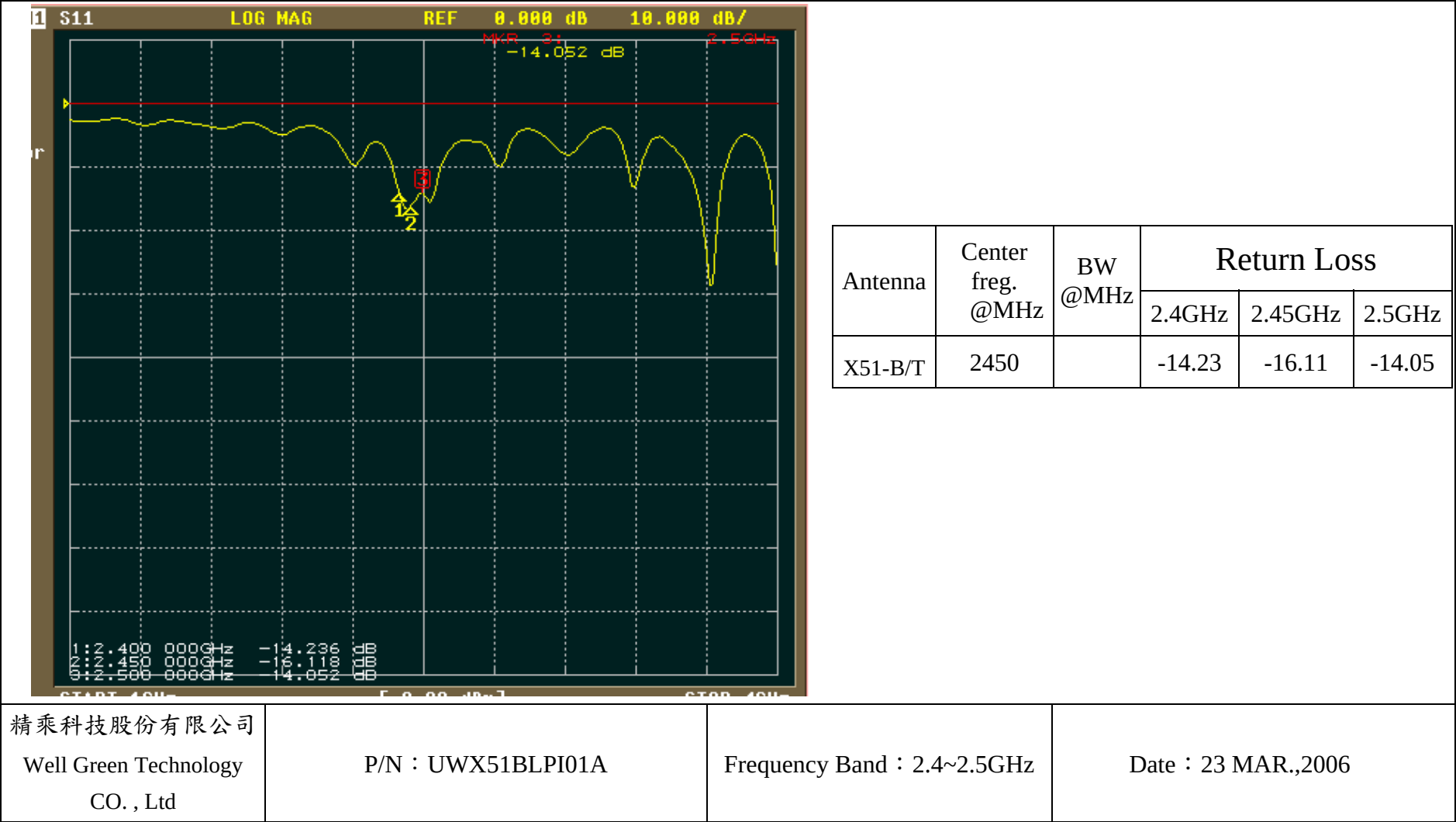


2. Mechanical dimensions



四、電氣特性 (Antenna Electricity Characteristics)

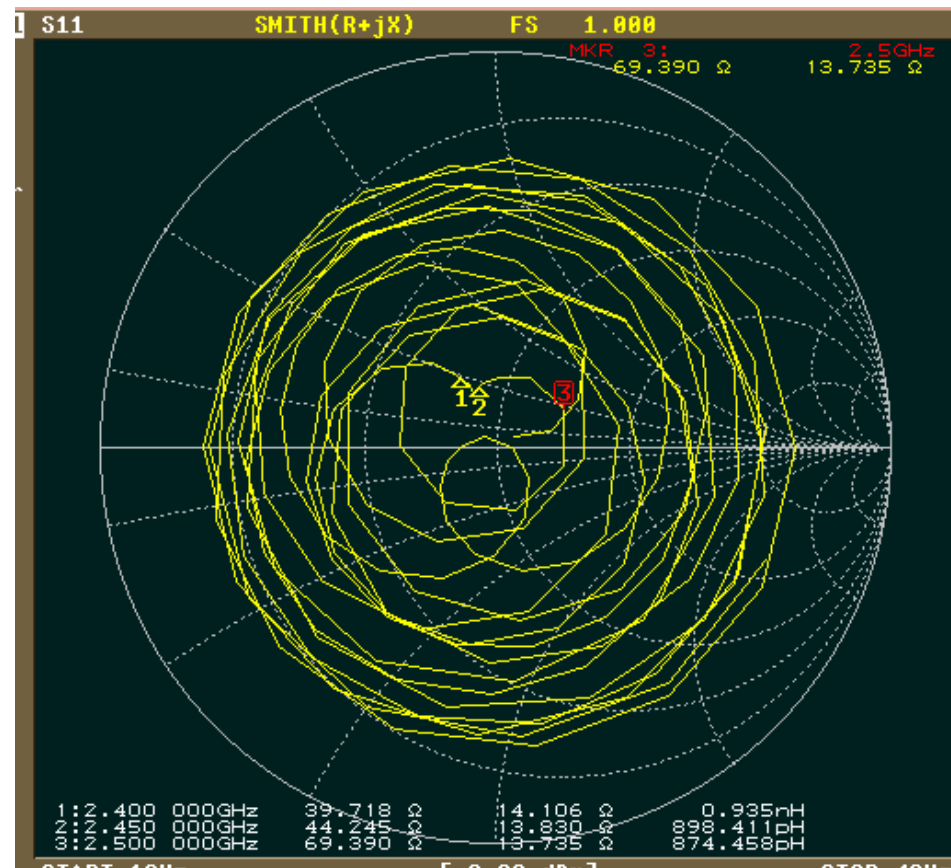
1. Return Loss



Antenna	Center freq. @MHz	BW @MHz	VSWR		
			2.4GHz	2.45GHz	2.5GHz
X51-B/T	2450		1.47	1.37	1.49

精乘科技股份有限公司 Well Green Technology CO., Ltd	P/N : UWX51BLPI01A	Frequency Band : 2.4~2.5GHz	Date : 23 MAR.,2006
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3. Smith Chart



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Well Green Technology
CO., Ltd

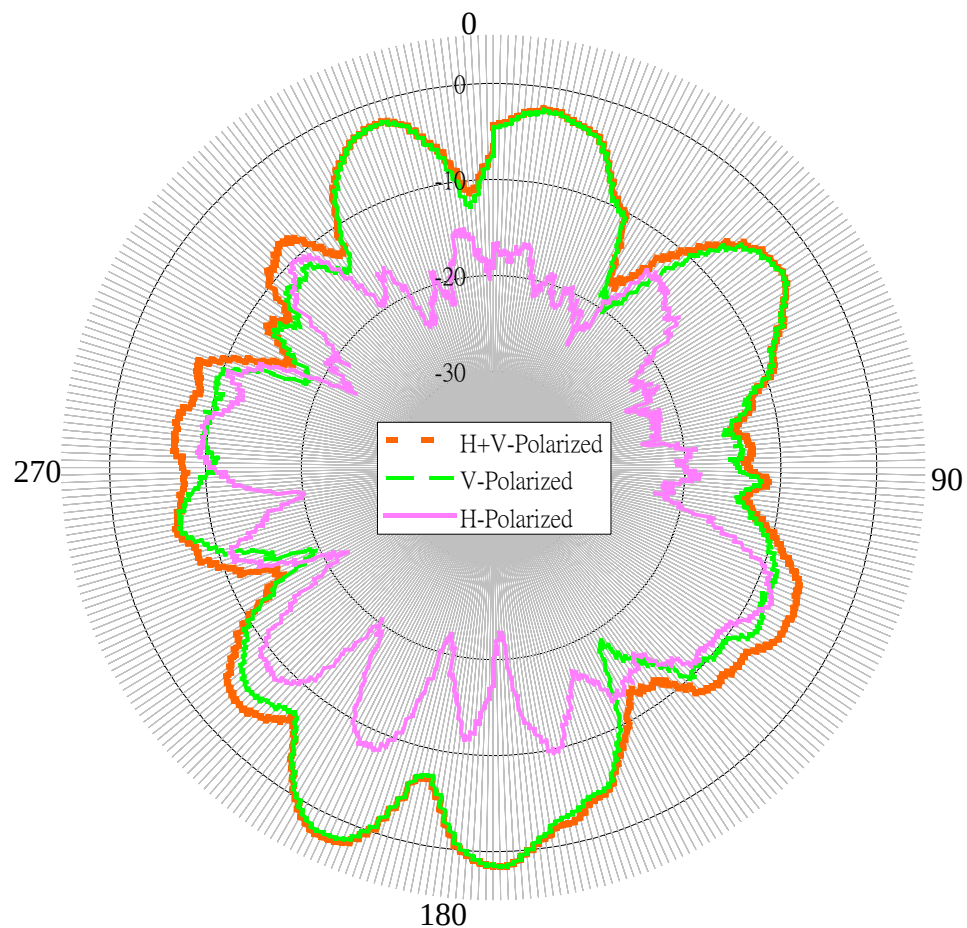
P/N : UWX51BLPI01A

Frequency Band : 2.4~2.5GHz

Date : 23 MAR.,2006



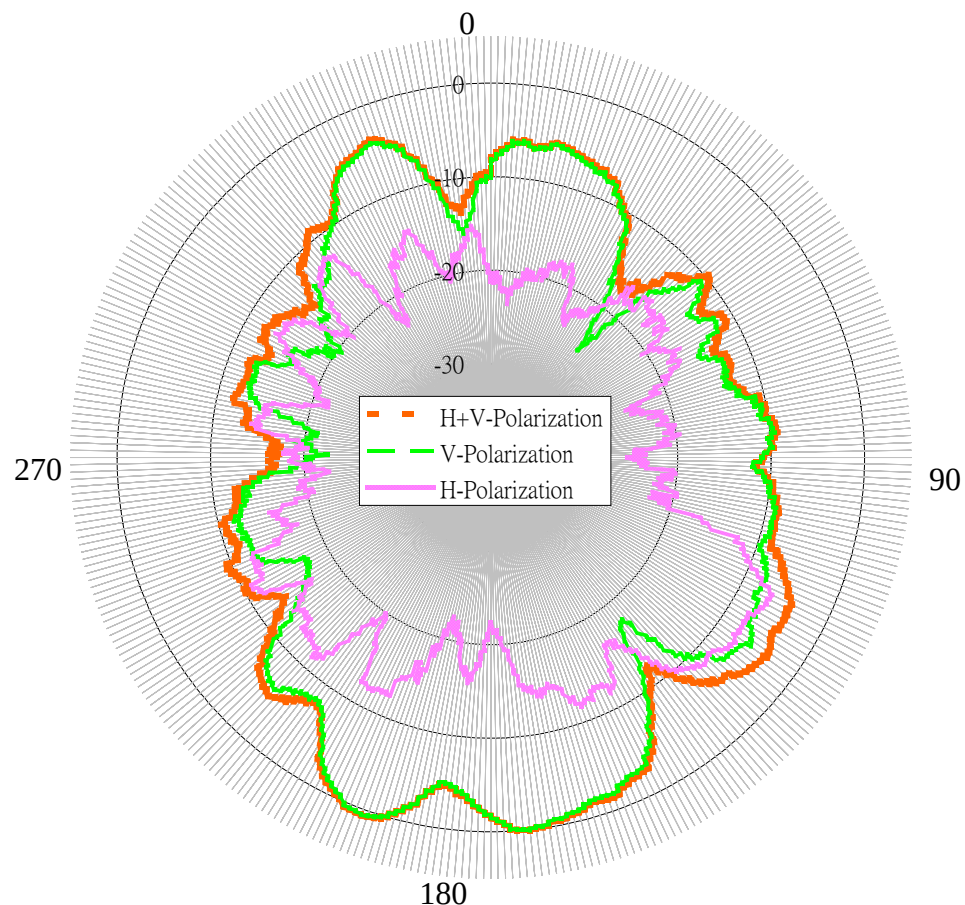
4. Radiation Pattern of XY Plane(Azimuth)-(Open)



Center Frequency	2400 MHz
Vertical peak Gain (dBi)	2.01
Vertical Average Gain (dBi)	-5.83
Vertical Min	-20.24
Horizontal peak Gain (dBi)	-7.68
Horizontal Average Gain (dBi)	-13.78
Horizontal Min	-25.00
Hori+Vert peak Gain (dBi)	2.42
Hori+Vert Average Gain (dBi)	-5.18
Hori+Vert Min	-17.53



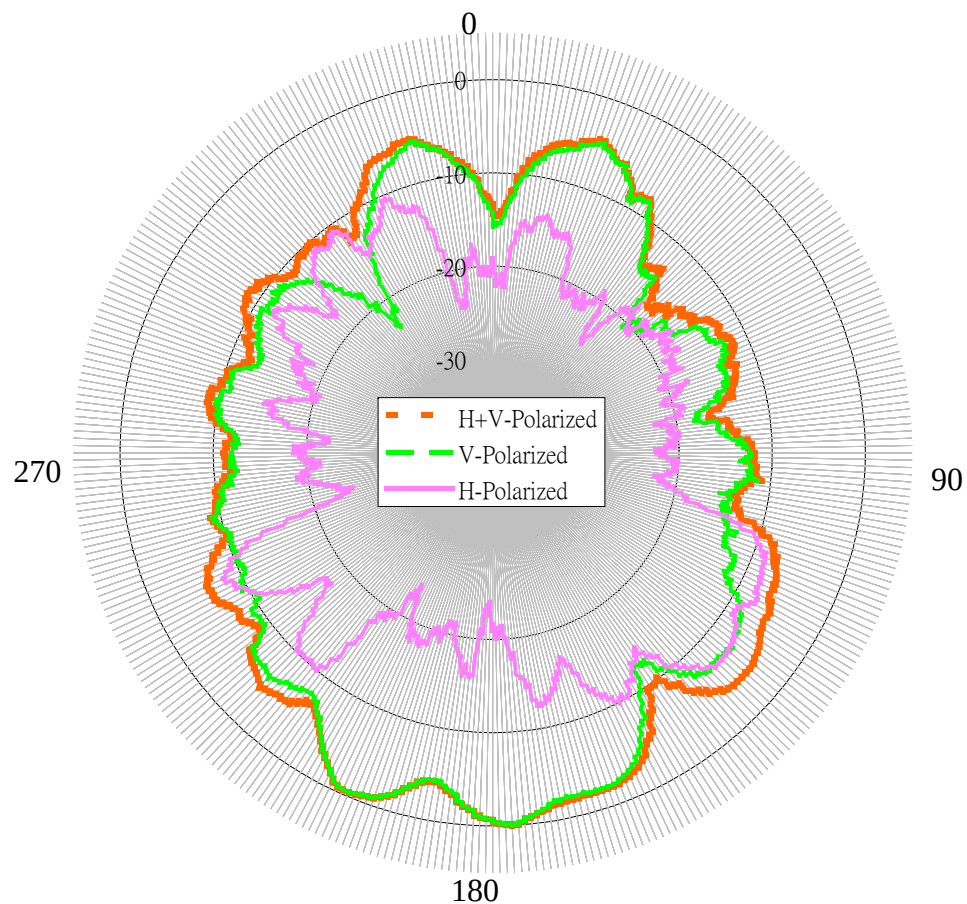
5. Radiation Pattern of XY Plane(Azimuth)-(Open)



Center Frequency	2450 MHz
Vertical peak Gain (dBi)	0.63
Vertical Average Gain (dBi)	-6.97
Vertical Min	-25.29
Horizontal peak Gain (dBi)	-6.47
Horizontal Average Gain (dBi)	-14.65
Horizontal Min	-25.40
Hor+Vert peak Gain (dBi)	0.71
Hor+Vert Average Gain (dBi)	-6.29
Hor+Vert Min	-17.61



6. Radiation Pattern of XY Plane(Azimuth)-(Open)



Center Frequency	2500 MHz
Vertical peak Gain (dBi)	-0.07
Vertical Average Gain (dBi)	-7.24
Vertical Min	-23.32
Horizontal peak Gain (dBi)	-6.81
Horizontal Average Gain (dBi)	-13.88
Horizontal Min	-25.02
Hor+Vert peak Gain (dBi)	-0.03
Hor+Vert Average Gain (dBi)	-6.39
Hor+Vert Min	-17.33

五、SPECIFICATIONS:

● Electrical Properties

Frequency Range	: 2.4~2.5GHz
Impedance	: 50Ohms nominal
VSWR	: ≤ 2.0
Peak Gain	: $-5.0\text{dBi} \leq \text{peak gain} \leq 3\text{dBi}$
Standard Connector	: I-PEX Connector