



Bondale Electronics Ltd.

博 钜 电 子 有 限 公 司

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COVER OF SPECIFICATION 规 格 书

No.: AN03434(1)

CUSTOMER'S NAME :

客户名称

金 进

CUSTOMER'S MODEL NO. :

客户型号

CUSTOMER'S PART NO. :

客户料号

E02526

PRODUCT NAME :

产品名称

Rubber Antenna

OUR MODEL NO. :

本公司型号

G-RA0K13200221-SZ478

This Specification is Composed of Under Listed (Samples be attached)

本规格书由以下内容组成(样品另附) :

NO.	Items(项目)	Pages(页码)
1	Certificate Of Conformance ROHS(环保证明书)	1
2	Product Drawing (产品图)	1
3	Specification of Product (规格书内容)	1
4	Capability Test Report (性能测试报告)	3
Total pages(包含本页)		共 7 页

Please fax back this brefile page with authorized signature and company chop as customer's approval on samples,Thanks! (如果此产品得到您的确认,请传回本页给我们.)

Customer Sign 客户签名		Customer Company Chop 客户公章	
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TO: 金 进

DATE: 2017/3/15

File NO.: AN03434(1)

CERTIFICATE OF CONFORMANCE ROHS

Customer Part No. : B0023200

Bondale Part No. : G-RA0K13200221-SZ478

Description : Rubber Antenna

We, Bondale Electronics Ltd. assured that the above mentioned item G-RA0K13200221-SZ478 is fully comply with the EU directive 2011/65/EU, (EU)2015/863 and packaging directive 94/62/EC and that its content of hazardous substances is below the values as listed:

ROHS critical values:

*Cadmium(Cd)			under 100 ppm
*Lead (Pb)	Generally		under 1,000 ppm
	Be Exempted	Products that contain Copper alloy components	under 40,000 ppm
		Product that contain Steel alloy components	under 3,500 ppm
		Product that contain aluminum alloy components	under 4,000 ppm
*Mercury (Hg)			under 1,000 ppm
*Hexavalent Chormium (Cr6+)			under 1,000 ppm
*PBBs			under 1,000 ppm
*PBDEs			under 1,000 ppm
*DEHP			under 1,000 ppm
*BBP			under 1,000 ppm
*DBP			under 1,000 ppm
*DIBP			under 1,000 ppm

Packaging directive 94/62/EC critical values:

*Packaging (Pb + Cd +Hg +Cr6+) under 100 ppm

Exempted below:

If the above mentioned item is reprocessed by customer, we wouldn't promise and assure the content of hazardous substances of the product item.

On behalf of

Bondale Electronics Ltd.

ROHS green chop and GPMS spokesman sign(Rohs綠色印章 + GPMS負責人簽名): 潘卫青

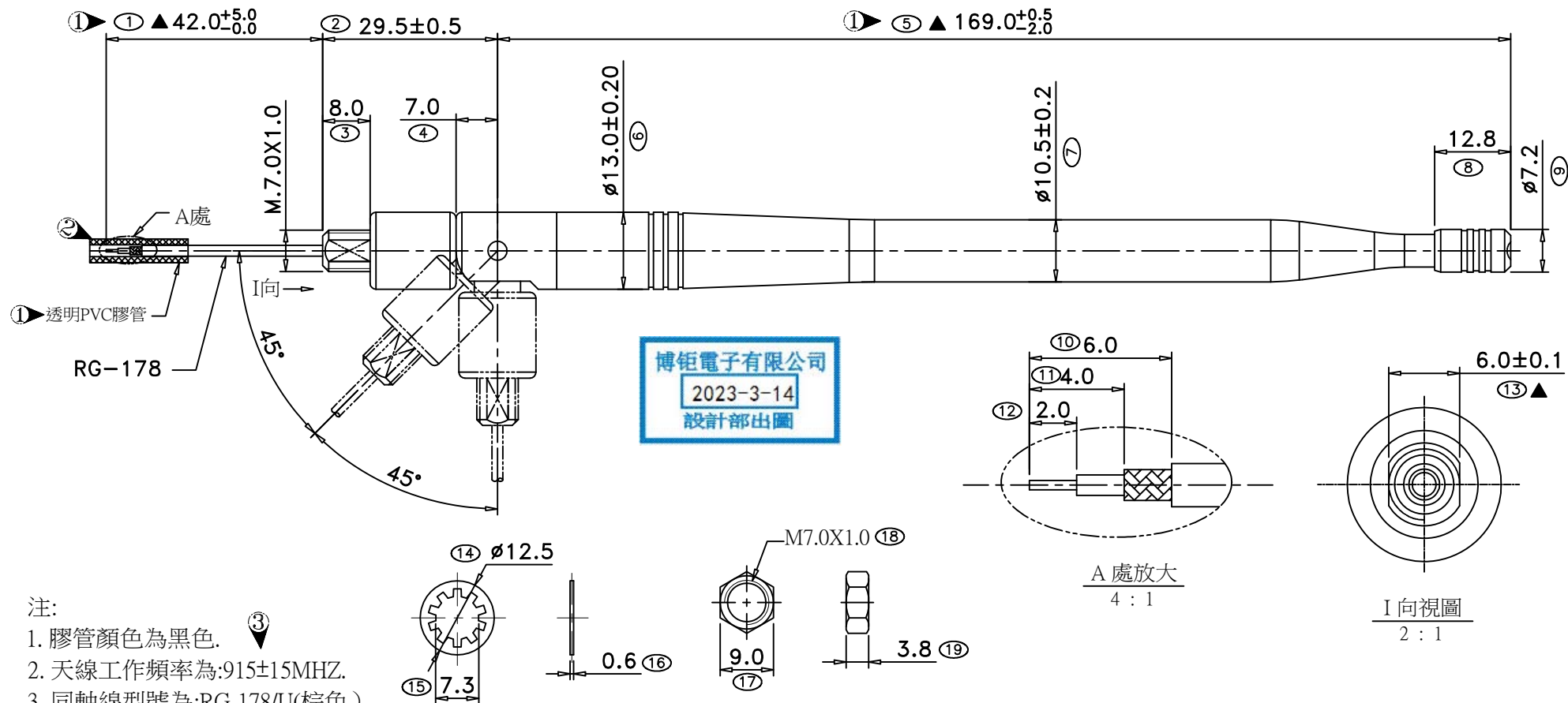
Yours sincerely,



---GREEN PRODUCT MANAGEMENT SYSTEM (GPMS)---

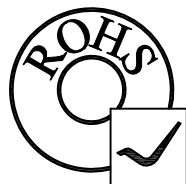
---綠色產品管理系統---

REV.	ISSUE FOR	OLD DRAWING NO.	APPROVED	80<L<=250	±0.50
①	根據客戶要求天線膠管長度由171.0±3.0改為169.0 ^{+0.5} _{-2.0} ,同軸線外露長度公差	G-RA0K13200221-SZ478(A)	曹新学	25<L<=80	±0.40
①	由42.0±5.0改為42.0 ^{+5.0} _{-0.0} ,另外同軸線外露線芯外套一透明PVC膠管以做保護。	G-RA0K13200221-SZ478(A)	曹新学	8<L<=25	±0.30
②	因小胶管太长,组装时套不进同轴线,所以将长度由 48.0 ^{+5.8} _{-0.8} 更改为25.0±2.0	G-RA0K13200221-SZ478(A)	陸 東	L<=8	±0.20
③	应客户要求,将频率由915±10MHz改为915±15MHz.	G-RA0K13200221-SZ478(B)	陆 东	線性尺寸L	未注尺寸偏差
				未注明公差	



注:

1. 膠管顏色為黑色.
2. 天線工作頻率為:915±15MHZ.
3. 同軸線型號為:RG-178/U(棕色).
4. 底塞表面鍍鎳.
5. 透明PVC膠管長度為25.0±2.0.
6. 客戶PARTNO:E02526
7. ▲為重點管控尺寸.
8. ⊙為做FAI尺寸.



TITLE	Rubber Antenna	版次	SCALE	1 : 1	DRAWN	陆 东	14/03-23
PART NAME	G-RA0K13200221-SZ478	C	MATERIAL		INSPECTED	陈 浩	14/13-23
BONDALE ELECTRONICS LTD.			HANDLING		APPROVED		
			PROJECTION (視角)		SHEET		

RUBBER ANTENNA SPECIFICATION

Customer : 金 进
Specification No.: AN03434(1)
Model No.: G-RA0K13200221-SZ478

1, Application

The antenna specified in this specification is applicable for the radio-communication

2, Dimensions

As per Drawing No. G-RA0K13200221-SZ478 attached.

3, Materials

As specified in drawing No. G-RA0K13200221-SZ478

4, Electrical Characteristics

- i) Resonate Frequency : 915 ± 15 MHz
- ii) Impedance : 50 ohm Nominal
- iii) Radiation Pattern : Omni Directional
- iv) Polarization : Vertical
- v) Standing Wave Ratio (S.W.R): 2.0 or less
- vi) Insulation resistance : 500 M ohm at DC 500V
- vii) Gain : 1.81 dBi

5, Mechanical characteristics:

The strength of fixing between sleeve and stud shall withstand the following stresses

Vertical Direction: 2.0 kg

Rotating Direction: 2.0 kgf.cm

6, Others:

Any modification of this specification has to be agreed by us

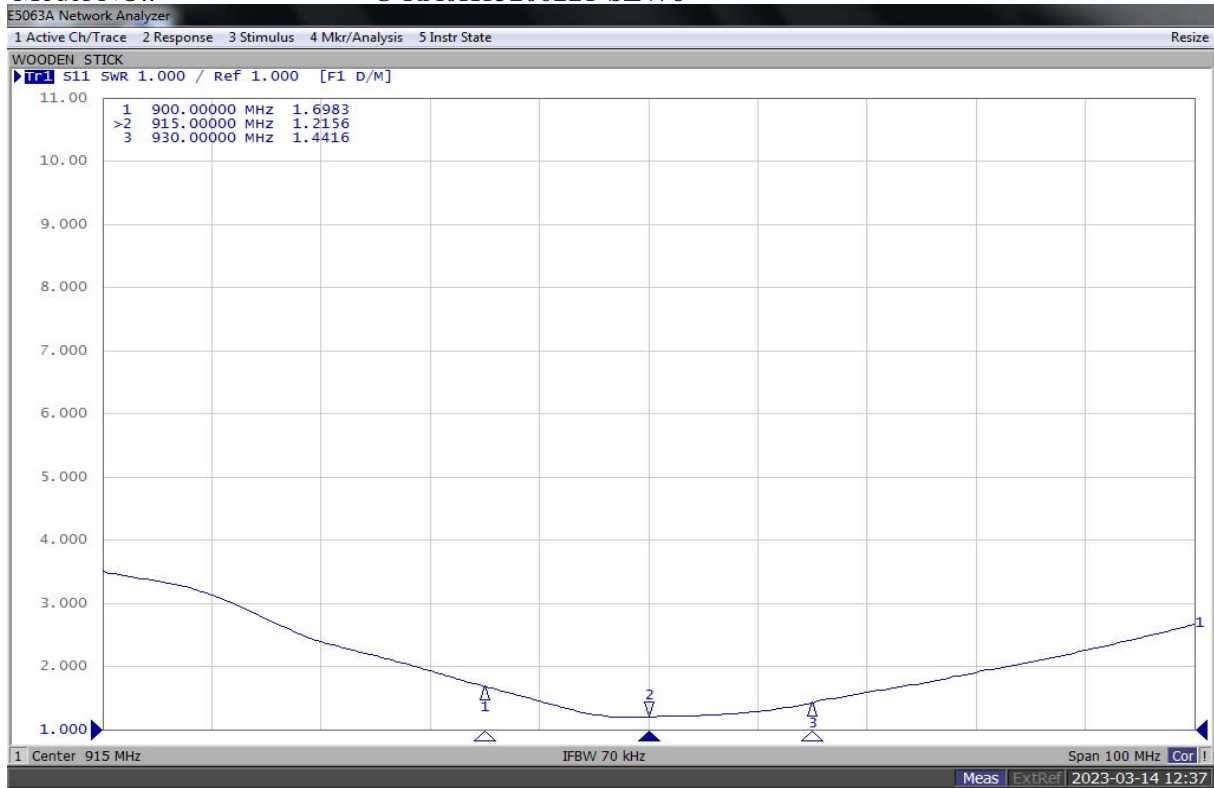
Prepared By: 金进

Checked By: 陈淑

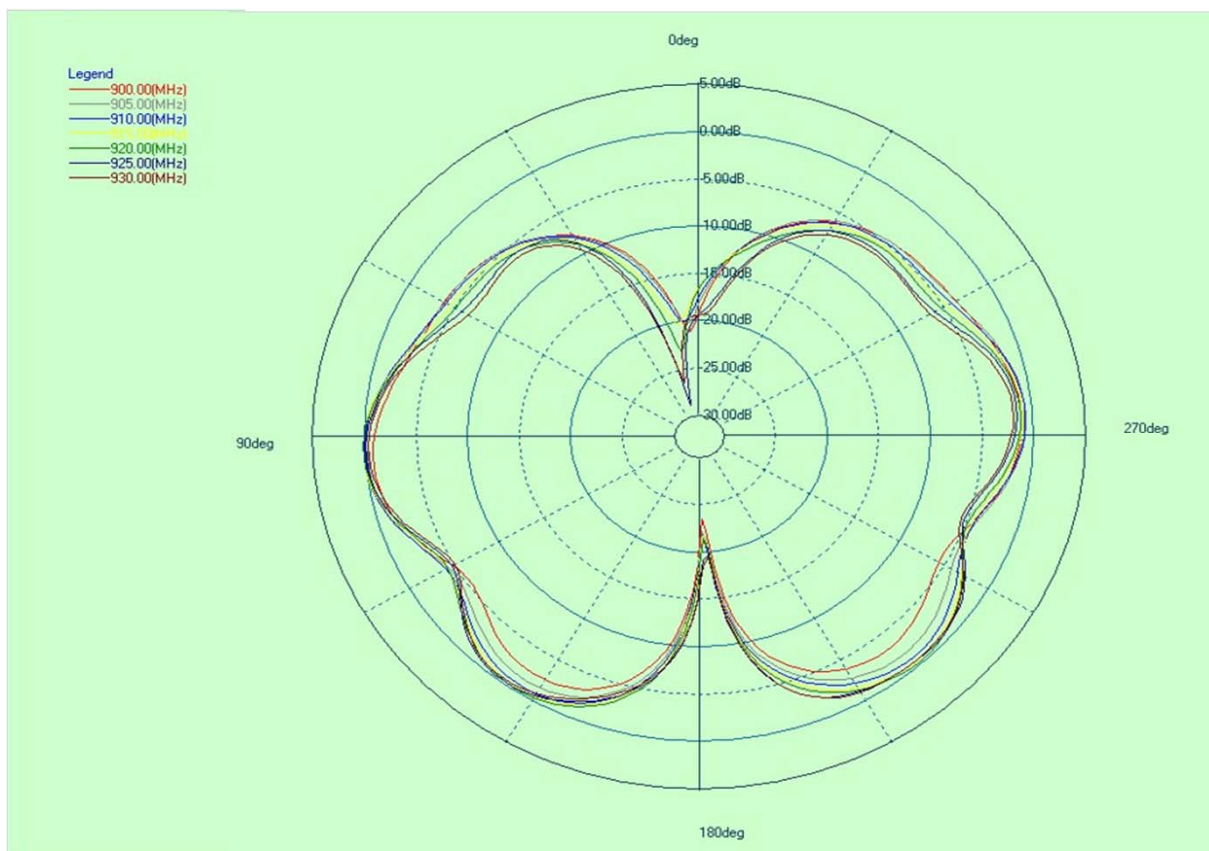
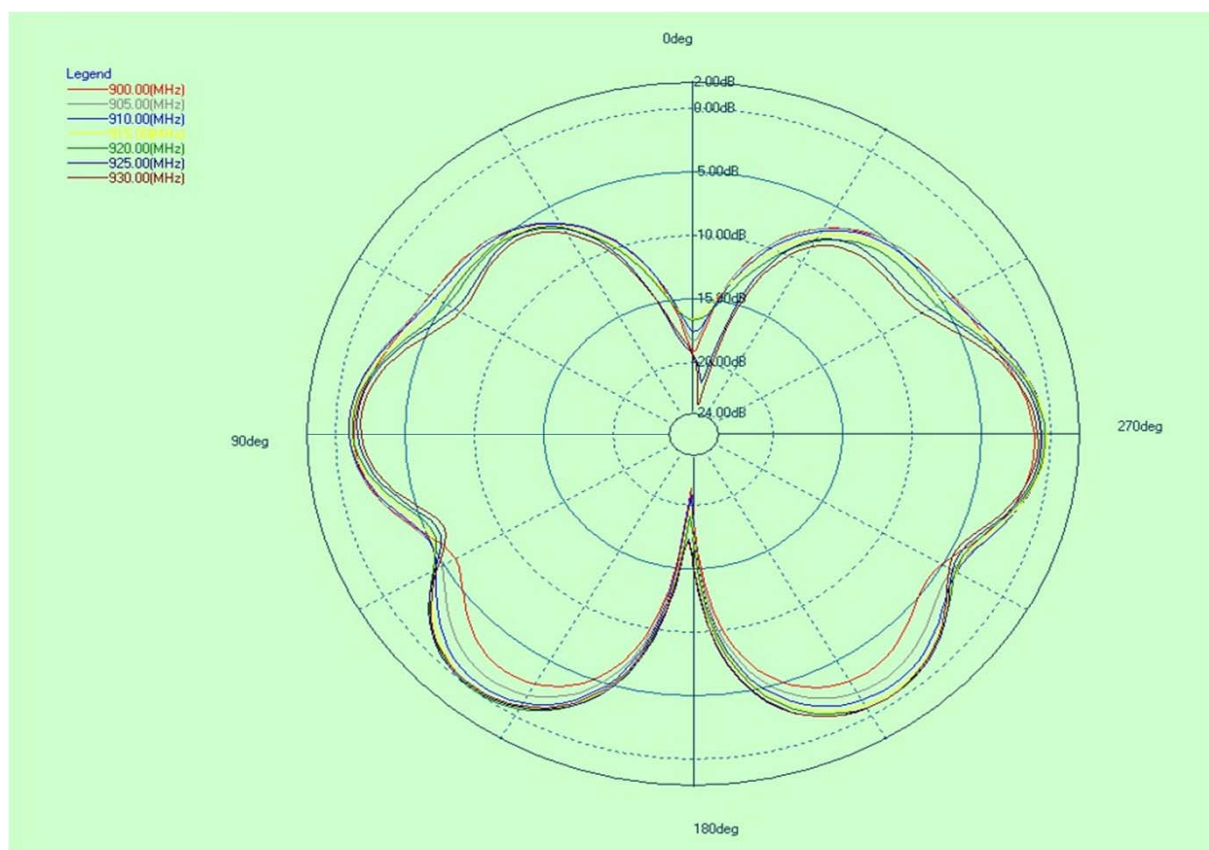
Approval: 陈淑

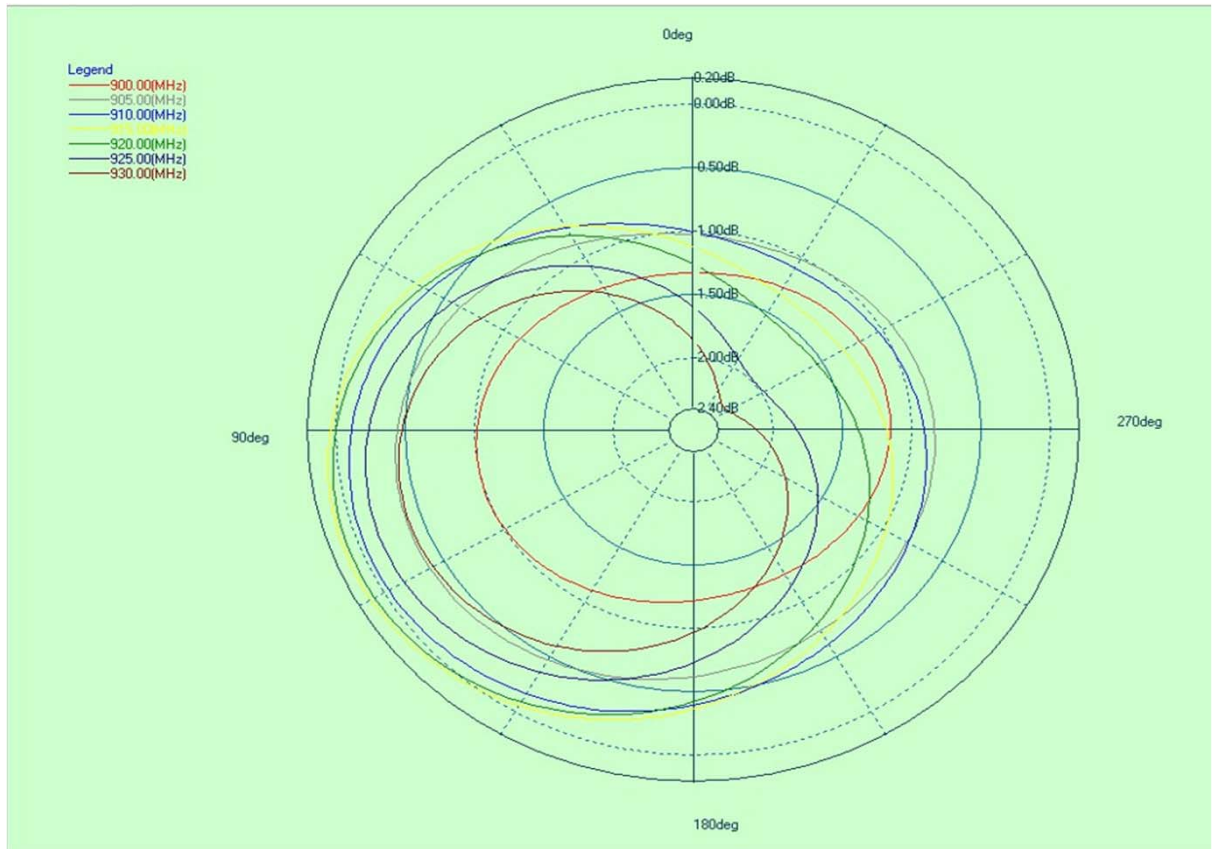
Capability Test Report

Specification NO.: AN03434(1)
Model NO.: G-RA0K13200221-SZ478



增益测试





增益测试		
频率	增益(dBi)	效率
900MHz	1.17	67.33%
905MHz	1.42	71.67%
910MHz	1.62	74.77%
915MHz	1.73	76.98%
920MHz	1.81	78.73%
925MHz	1.78	78.92%
930MHz	1.68	78.12%