

承認書

APPROVAL

廠 商 神準科技股份有限公司

CUSTOMER

料 號 7102A1256000

PART NO.

品 名 ANT DIPOLE 863-928MHz 1.96dBi
RFDPA161500SMUB802 WHITE

PARTNAME

生產廠商 INPAQ TECHNOLOGY CO.,LTD.

COMPANY

備 註 RFDPA161500SMUB802

PART NO

日 期 2024.9.6

DATE

產品重量(g): 29.18 g

WEIGHT

產品主要材質: ABS

MAIN MATERIAL

公 司

COMPANY

No.566-1, Kao-Shi Rd., Yangmei Dist. Taoyuan City 32668, Taiwan, R.O.C.

地 址

ADDRESS

電 話 : 03-4756600

TELEPHONE

傳 真 : 03-7585511

FAX

品名：RFDPA161500SMUB802

History List

[illegible]

品名：RFDPA161500SMUB802

1. Explanation of part number：

RF	DPA	1615	00	S	M	U	B	8	02
Type Code	Product Code	Dipole Dimension (Unit: mm)	Cable Length (unit: cm)	Connector Brand	Type of Connector	Application	Project status	Wire Diameter	Project
RF Device	DPA: Dipole Antenna	Per 2 digits of length, width e.g.: 1713 Length 172mm, Width 13mm	2 digits for cable length e.g.: 07 Cable Length:7cm	A: N C:MCX D:IPEX III E: IPEX IV F: IPEX A13 H: Hirose I: IPEX M: MMCX S: SMA T: TNC U:MURATA N: None	A: Reverse Female B: Reverse Male F: Female M: Male N: None	0: 0GHz 3: 3GHz 5: 5 GHz 6: 6GHz A: 2.4GHz ISM band B: GSM 900/1800 dual band G: GPS band L: 2.4/5.2/5.8 GHz tri-band N: NFC T:LTE band W: WCDMA band	B: MP T:During Test X: Pile Run	0:None 1:Ø0.81 3:Ø1.13 6:RG316 7:Ø1.37 8:RG178	01~99 series number

2. Electrical Specification：

Item	Specification
Working Frequency Range	863~928 MHz
Return Loss	-10dB(Max)
VSWR	2 max.
Polarization	Linear
Peak Gain	1.96 dBi
Radiation Pattern	Omni-directional
Impedance	50Ω
Operation Temperature	-20℃ ~ +65℃

UNLESS OTHER SPECIFIED TOLERANCES ON :
X = N/A X.X = N/A X.XX = N/A
ANGLES = N/A HOLEDIA = N/A



INPAQ TECHNOLOGY CO., LTD.

SCALE：N/A

UNIT：mm

DRAWN BY：李欣樺

CHECKED BY：詹惠雯

DESIGNED BY：黄瑞郎

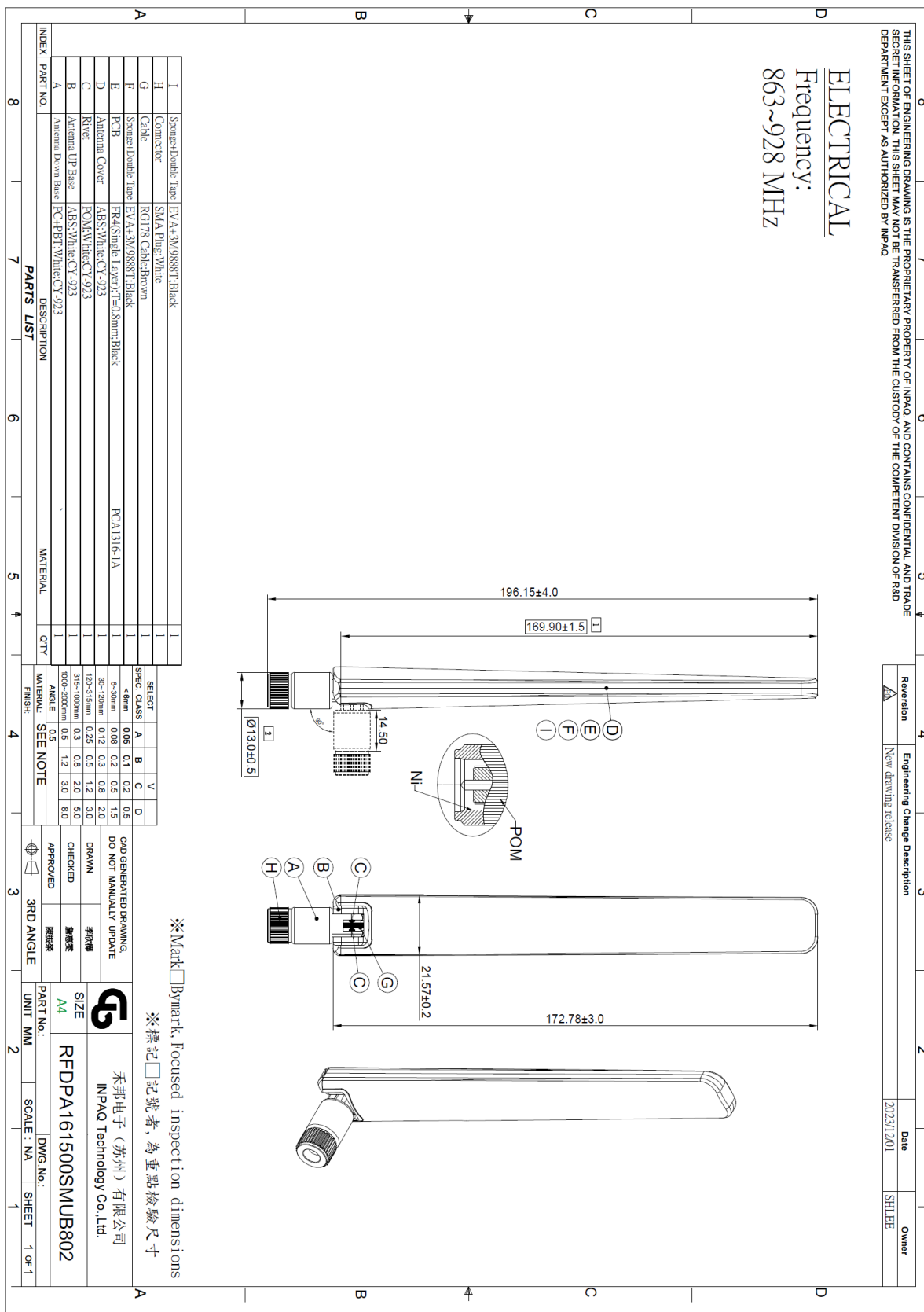
APPROVED BY：陳振榮

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3. Drawing :



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DESIGNED BY : 黃瑞郎

APPROVED BY : 陳振榮

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4. Photo



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UNIT : mm

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DESIGNED BY : 黃瑞郎

APPROVED BY : 陳振榮

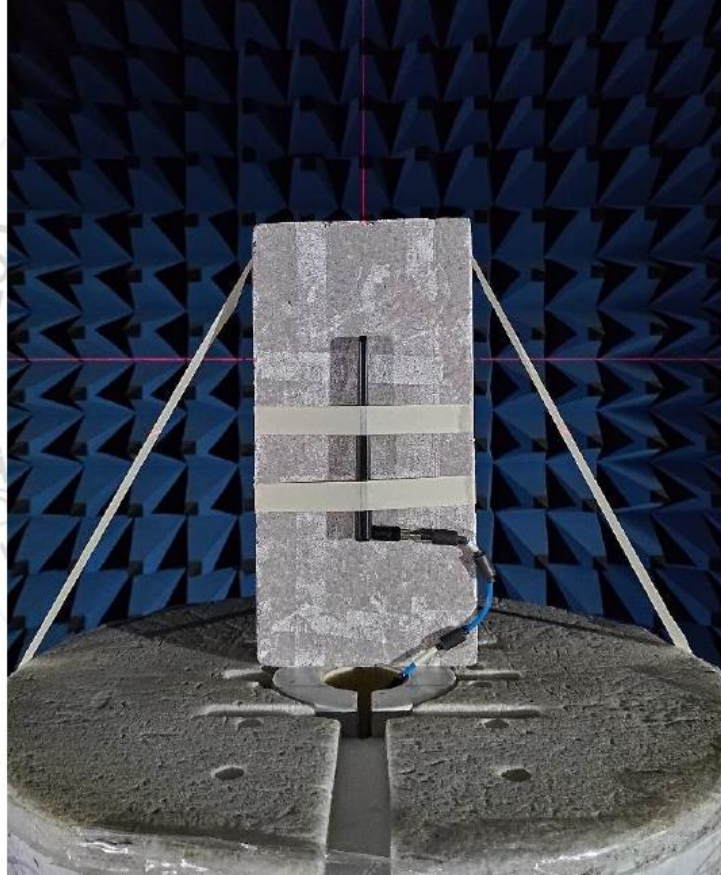
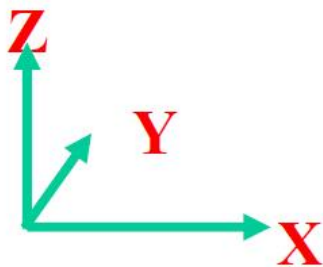
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5. Performance Report :

Test Report**Experimental Setup**

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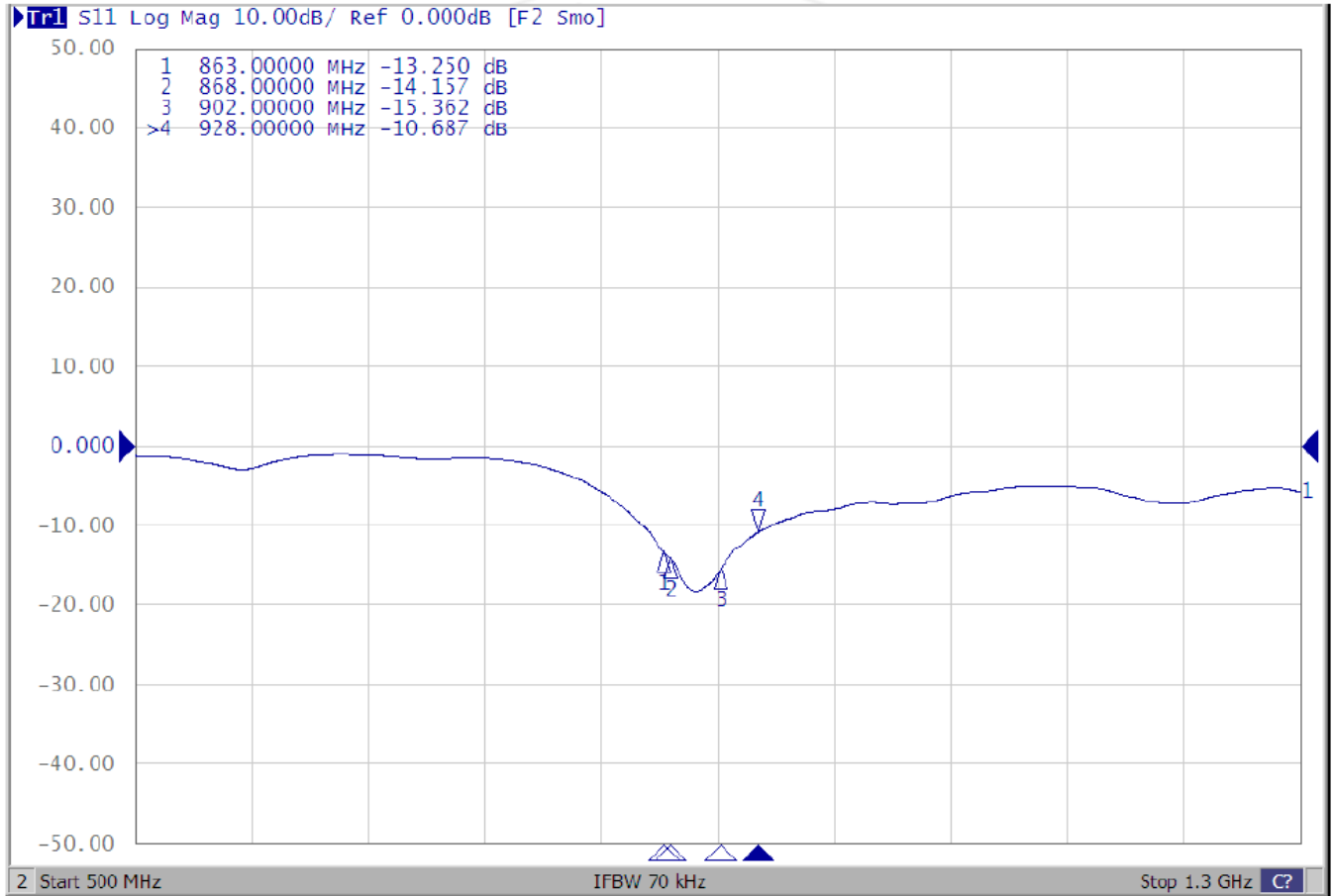
**INPAQ TECHNOLOGY CO., LTD.****SCALE : N/A****UNIT : mm****DRAWN BY : 李欣樺****CHECKED BY : 詹惠雯****DESIGNED BY : 黃瑞郎****APPROVED BY : 陳振榮**

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ELECTRICAL CHARACTERISTICS

Return Loss



UNLESS OTHER SPECIFIED TOLERANCES ON :
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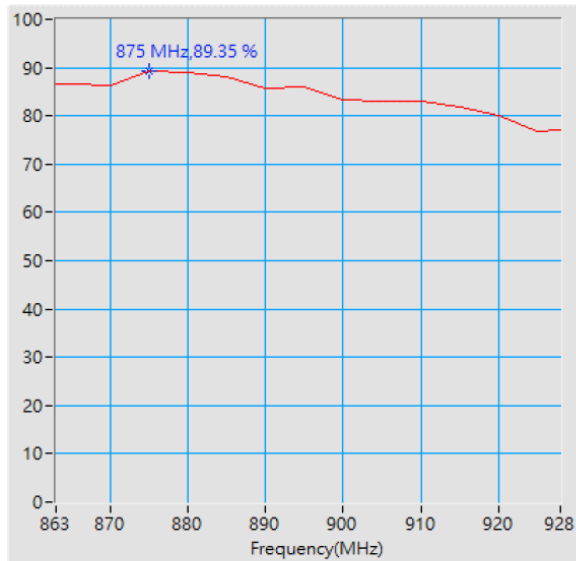
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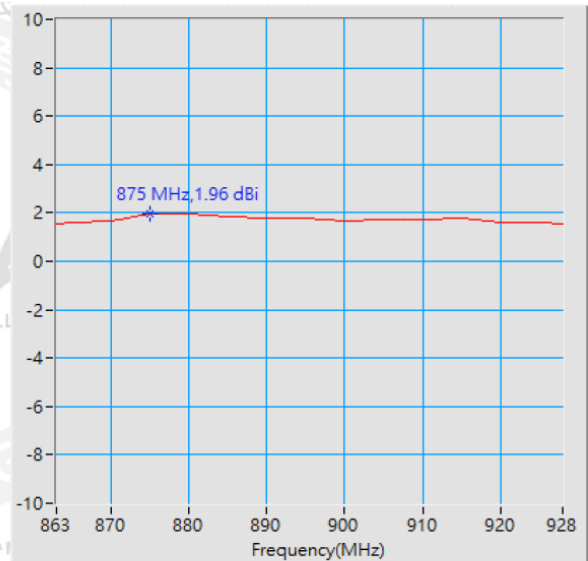
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■ Antenna Efficiency and Peak Gain

863~928 MHz



Maximum Efficiency at 875 MHz : 89.35 %



Maximum Peak Gain at 875 MHz : 1.96 dBi

Frequency (MHz)	Efficiency(%)
863	88
875	89.35
880	88.12
900	85.33
910	84.97
920	80.19
928	78.88

Frequency (MHz)	Gain(dBi)
863	1.78
875	1.96
880	1.90
900	1.88
910	1.76
920	1.70
928	1.77

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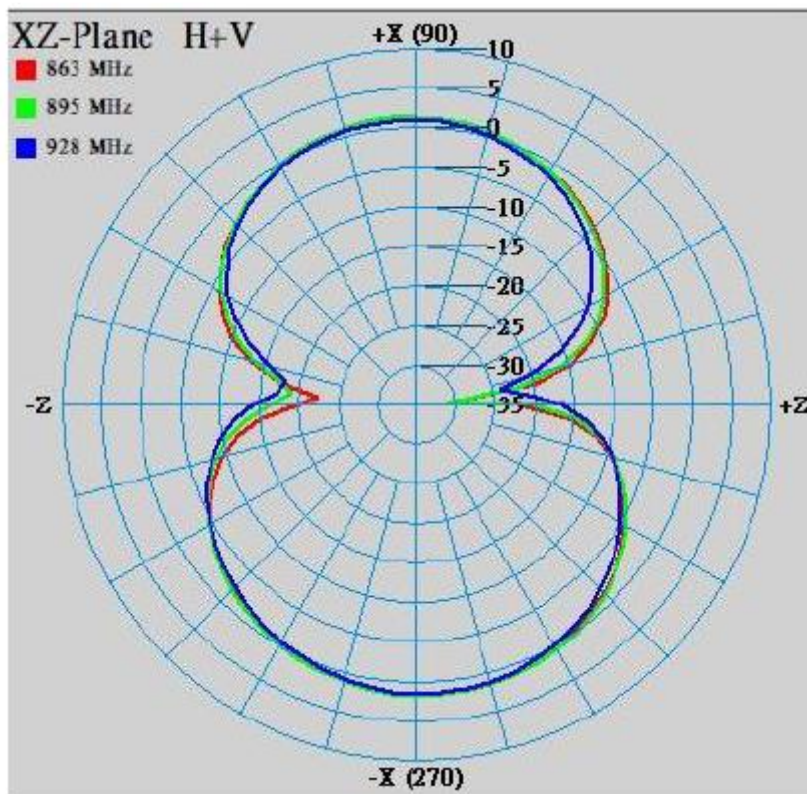
RADIATION PATTERN

863~928 MHz

X-Z Plane

Phi=0.00deg

Gain . dB



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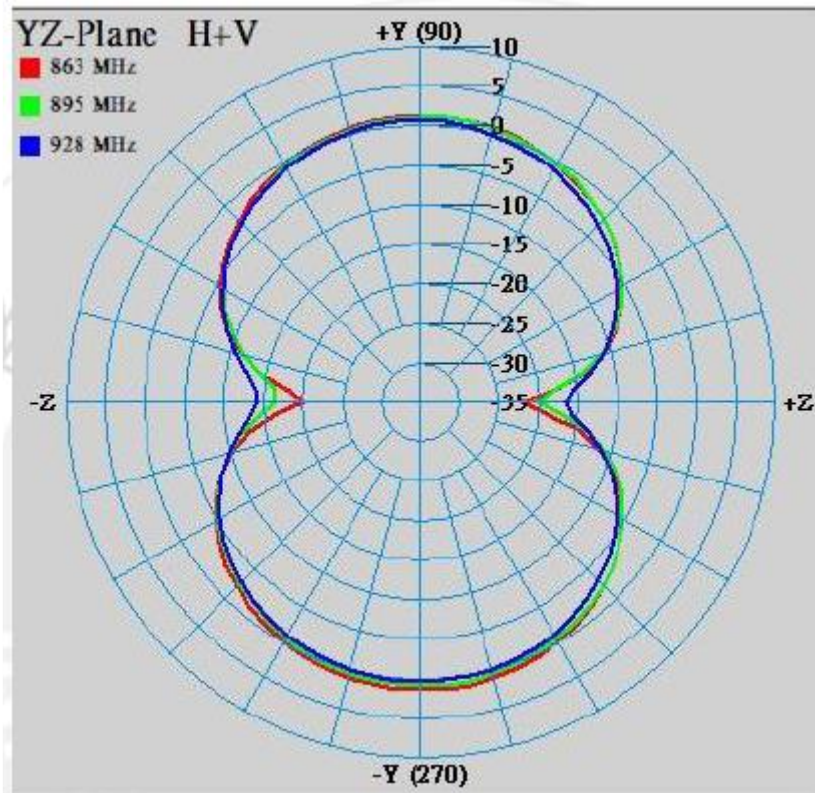
DOCUMENT
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Y-Z Plane

Phi=90.00deg

Gain . dB



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X = N/A X.X = N/A X.XX = N/A
ANGLES = N/A HOLEDIA = N/A



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SCALE : N/A

UNIT : mm

DRAWN BY : 李欣樺

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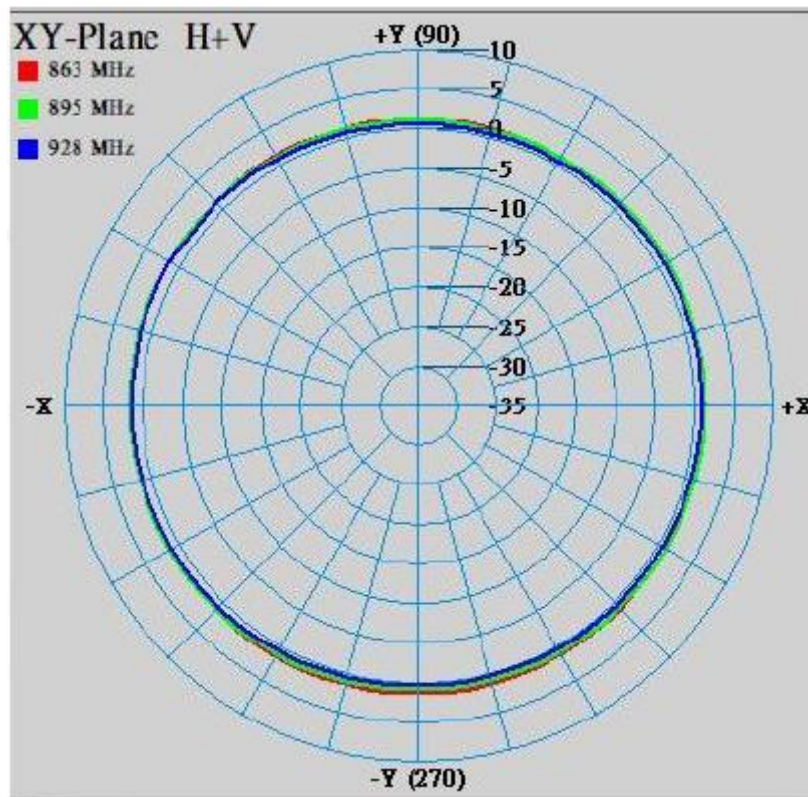
DOCUMENT
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X-Y Plane

Theta=90.00deg

Gain . dB



Frequency [MHz]	ZX plane		ZY plane		XY plane	
	Max Value [dBi]	Average [dB]	Max Value [dBi]	Average [dB]	Max Value [dBi]	Average [dB]
863	1.55	-1.95	1.43	-1.88	1.53	1.35
895	1.81	-1.76	1.18	-2.16	1.77	1.34
928	1.53	-2.21	0.72	-2.65	1.52	0.95

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 ANGLES = N/A HOLEDIA = N/A



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6. Package

RFDPA161500SMUB802主規		頁次：5 之 3	
		版次：A0版	
包裝圖		制修訂日期：2024/9/6	

圖一

圖二

產品包裝規範：

- 將每10PCS產品裝入PE袋中封口，並在PE袋的中上方處粘貼製造標籤。（如图一）
- 將珍珠棉放入外箱中（如图示二）
- 將裝好的成品（如图示三）放入外箱中，每箱放300pcs產品，上下各放1片珍珠棉，封箱并粘貼製造標，封箱為“工”字型即六面封箱。
- 不滿整箱時需用填充物填充參考文件號Y-WI-09-281

製造標籤圖示：實物標籤內容僅作參考 具體內容以出貨料號為準

Metal Antenna 370625
RFMTA370625IMAB301 75B1031604 10

WW0121-031922193619-200 75B1031604 0001

第一排：机种+空格+Antenna+空格+规格的6-11位
第二排：规格+空格+批号+空格+数量
第三排条码内容：规格+批号+序号（同第四排最后的4码流水码）+数量（单位是K/PCS）
第四排：“-”+打印者工号+“-”月份+日期+年+时+分+秒+“-”+“需打印的”標籤數量” +批号+4码流水码

製造標籤規格：銅版紙（L85±5mm*W25±3mm）字體規格：標楷體
製造標籤條碼規格：code 128（高度80mm）

核准：	何耀輝	審核：	趙文豹	制定：	朱新宇
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