

品名：RFCBA040302IMAB301

History List

[illegible]

1.Explanation of part number :

RF	CBA	0403	02	I	M	A	B	3	01
Type Code	Product Code	Connector Dimension (Unit: mm)	Cable Length (unit: cm)	Connector Brand	Type of Connector	Application	Project status	Wire Diameter	Project
Walsin RF Device	CBA: Cable Assembly	Per 2 digits of length, width e.g.:0403 Length 4.7mm, Width 3.0mm	2 digits for cable length e.g.: 02 Length 2.7cm	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 2:Ø1.32 3:Ø1.13 4:Low Loss Ø1.13 5:Ø0.50 6:RG316 7:Ø1.37 8:RG178 9:Low Loss Ø1.37 A:RG174 B:RG178 單芯線	01~99 series number

2.Electrical Specification :

Item	Specification
Frequency Range	2.4 ~ 2.5 GHz
Return Loss	-3dB(Max)
VSWR	6 max.
Peak Gain	-0.80 dBi
Polarization	Linear
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 : 詹惠雯

CHECKED BY : 詹惠雯

DESIGNED BY : 黃瑞郎

APPROVED BY : 陳振榮

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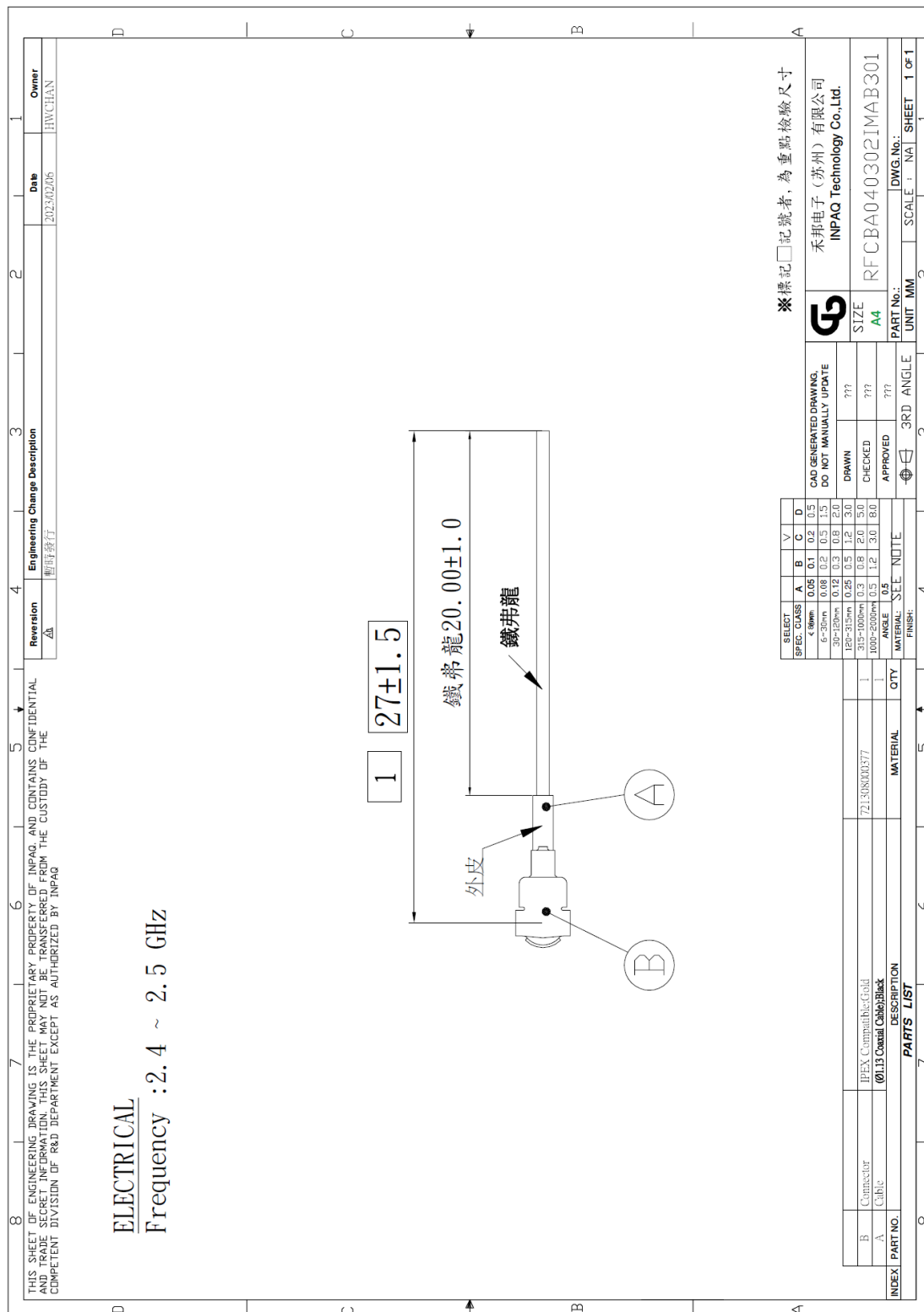
TITLE : RFCBA040302IMAB301

DOCUMENT NO.

ENS070028440-000899910250

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A0

3. Antenna Drawing :



UNLESS OTHER SPECIFIED TOLERANCES ON :
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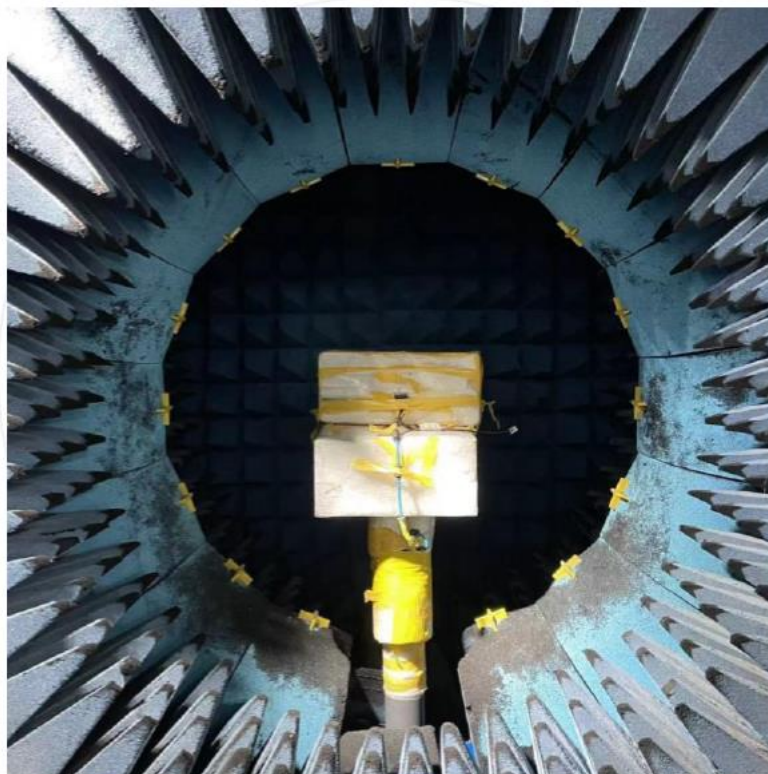
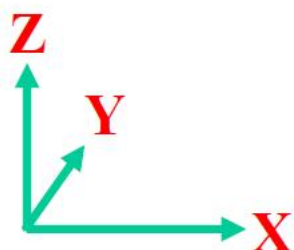
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4. Performance Report :

Test Report

■ Experimental Setup



Antenna Solution Detail



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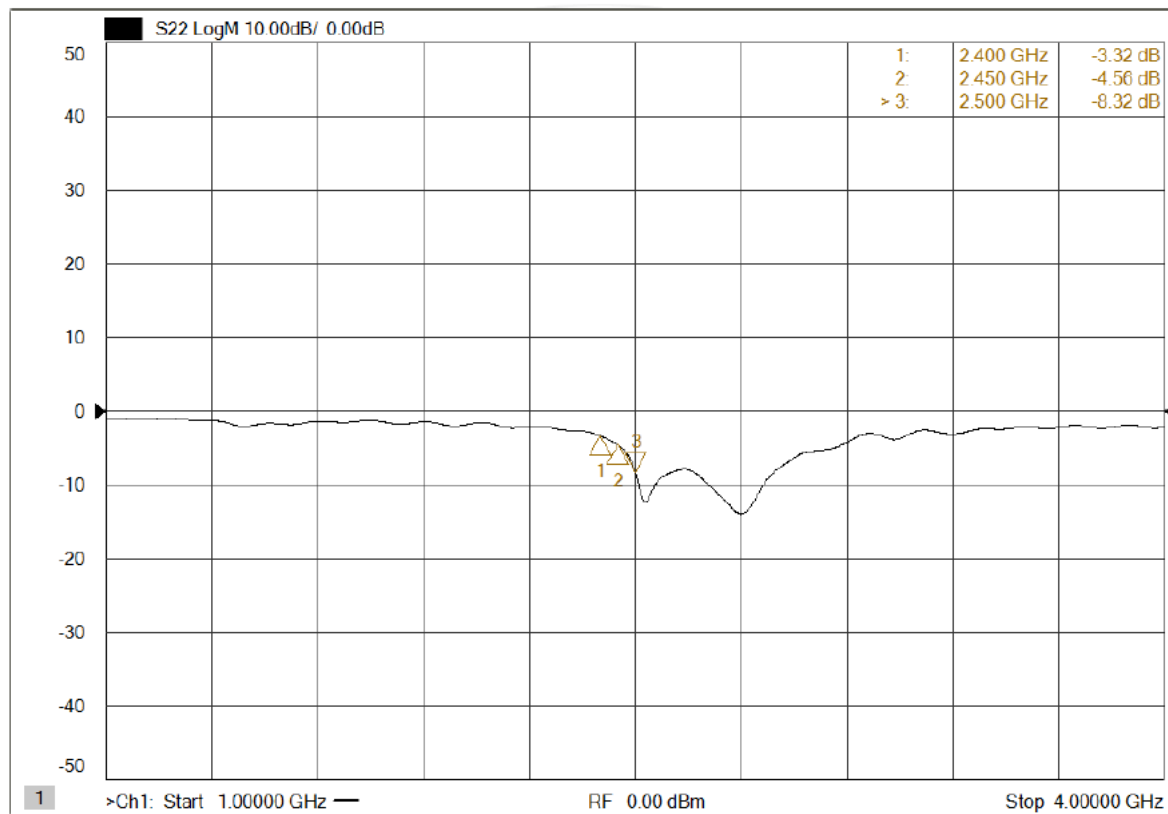
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ELECTRICAL CHARACTERISTICS

Return Loss



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■ Antenna Efficiency & Peak Gain

2500 ~ 2500 MHz



Maximum Efficiency at 2500 MHz : 25.28 %



Maximum Peak Gain at 2500 MHz : -0.80 dBi

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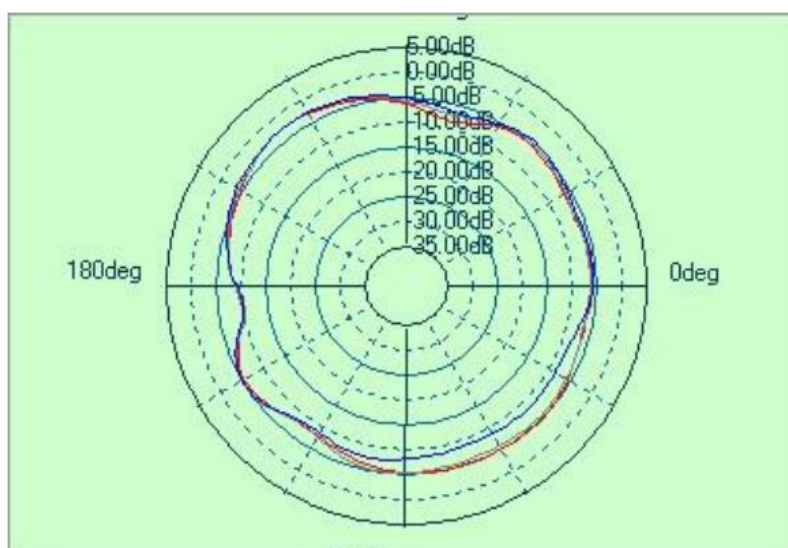
RADIATION PATTERN

2500 ~ 2500 MHz

X-Z Plane

Phi=0.00deg

Gain . dB



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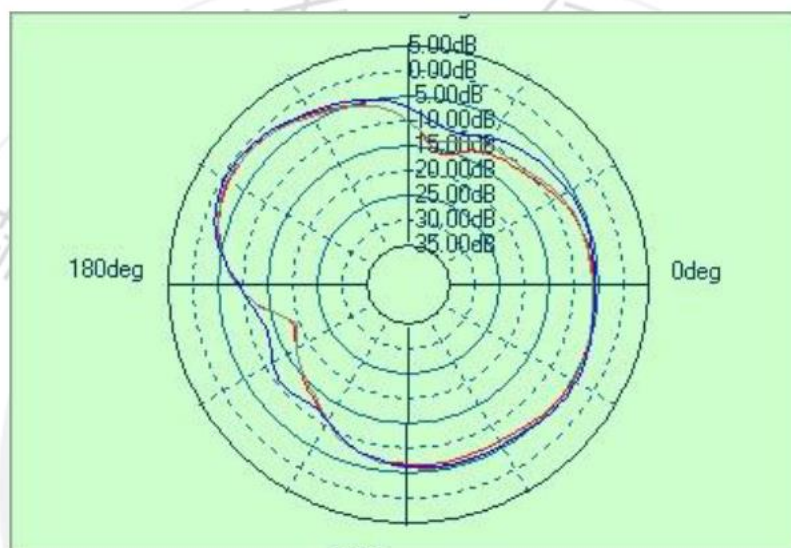
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Y-Z Plane

Phi=90.00deg

Gain . dB



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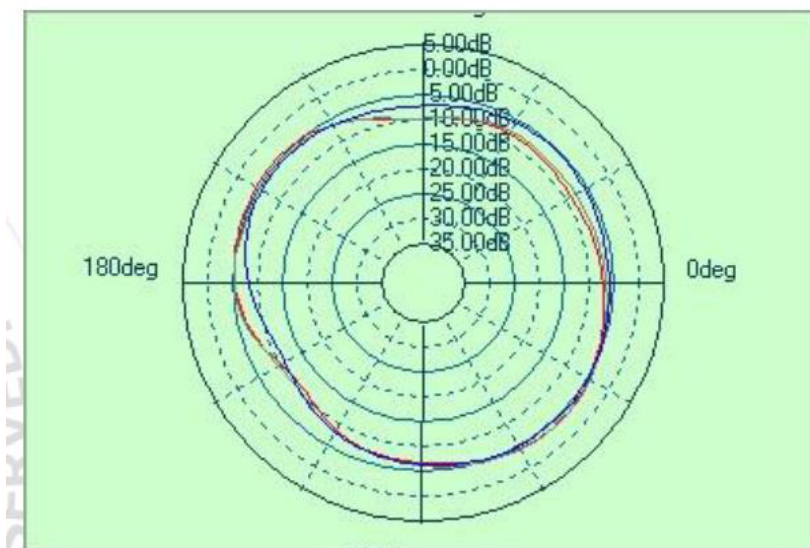
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X-Y Plane

Theta=90.00deg

Gain . dB



Frequency [MHz]	ZX plane		ZY plane		XY plane	
	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]
2400	-3.33	-6.02	-1.68	-6.70	-4.02	-6.84
2450	-3.23	-5.90	-1.60	-6.50	-3.81	-6.67
2500	-3.23	-6.28	-0.80	-5.80	-4.71	-6.61

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5. Package

禾邦電子有限公司			
RFCBA040302IMAB301生規		頁次：4 之 3	
		版次：A0版	
		2023/3/9	
包裝圖			
圖一			
			
圖二			
			
圖三			
			
產品包裝規範：			
1. 將每100PCS產品放入自封袋中, 封口並粘貼製造標籤 (如圖一)			
2. 將泡棉放入外箱中 (如圖二)			
3. 將裝好的成品 (如圖三) 放入外箱中，上下各放1片珍珠棉，每箱放5000PCS，封箱需6面封箱，呈“工”字封箱。			
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 RFMIA370625IMAB301 75B1031604 10  WW0121-031922193619-200 75B1031604 0001 第一排：機種+空格+Antenna+空格+規格的6-11位 第二排：規格+空格+批號+空格+數量 第三排：條碼內容：規格+批號+序號 (同第四排最後的4碼流水碼) +數量 (單位是K/PCS) 第四排：“-”+打印者工號+“-”月份+日期+年+時+分+秒+“-”+當次打印的“標籤數量” +批號+4碼流水碼			
製造標籤規格：銅版紙 (L85±5mm*W25±3mm) 字體規格：標楷體			
製造條碼規格：code 128 (高度80mm)			
標籤注釋權限 (PSA) 華新科技股份有限公司			
核准：	何耀輝	審核：	趙文豹
制定：	付猛		

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