

[illegible]

品名：RFPCA460613DMAB101

1. Explanation of part number：

RF	PCA	4606	13	D	M	A	B	1	01
Type Code	Product Code	PCB Dimension (Unit: mm)	Cable Length (unit: cm)	Connector Brand	Type of Connector	Application	Project status	Wire Diameter	Project
RF Device	PCB Antenna	Per 2 digits of length, width e.g.: 2221 Length 22mm, Width 21mm	2 digits for cable length e.g.: 14 Length 14.5cm	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: 5GHz 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: $\varnothing$ 0.81 2: $\varnothing$ 1.32 3: $\varnothing$ 1.13 4: Low Loss $\varnothing$ 1.13 5: $\varnothing$ 0.5 6: RG316 7: $\varnothing$ 1.37 8: RG178 9: Low Loss $\varnothing$ 1.37	01~99 series number

2. Electrical Specification：

Item	Specification
Working Frequency Range	2.4~2.5 GHz
Return Loss	-10 dB(Max.)
VSWR	2.0 Max.
Peak Gain	2.28 dBi
Impedance	50 Ohm Nominal
Radiation	Omni-directional
Polarization	Linear Vertical
Operation Temperature	- 20°C ~ + 65°C

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：黃瑞郎

APPROVED BY：陳振榮

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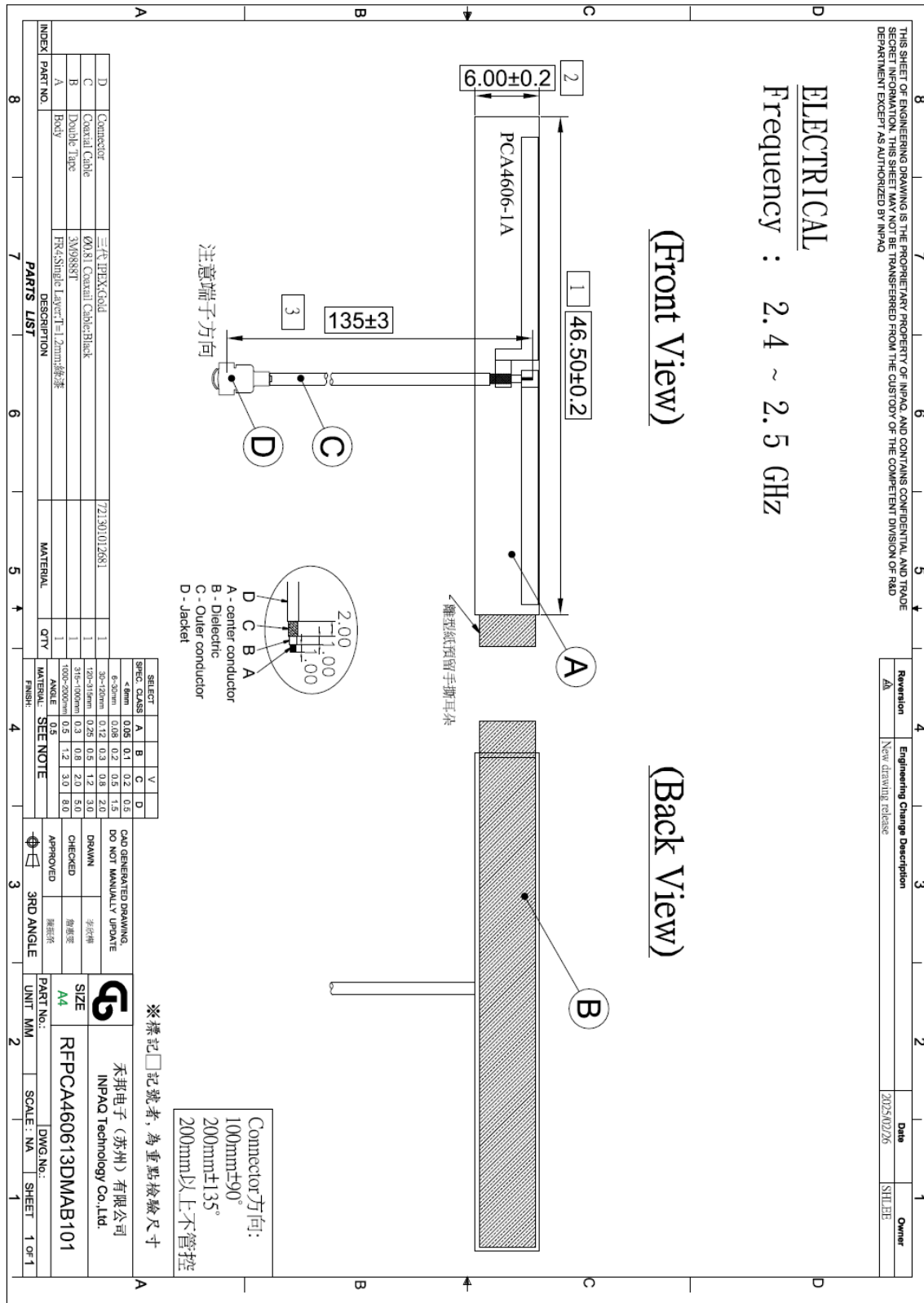
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DOCUMENT NO.

ENS070035540-000803726365

SPEC REV.
A0

3. Antenna Drawing :



UNLESS OTHER SPECIFIED TOLERANCES ON :

X = N/A

X.X = N/A

X.XX = N/A

ANGLES = N/A

HOLEDIA = N/A

SCALE : N/A

UNIT : mm

DRAWN BY : 李欣樺

CHECKED BY : 詹惠雯

DESIGNED BY : 黃瑞郎

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4. Package :

禾邦電子有限公司			
RFP0A460613DMAB101生規		頁次: 5 之 3	
		版次: A0版	
		制修訂日期: 2024/2/27	
包裝圖			
圖一			
圖二			
圖三			
產品包裝規範:			
1. 將每50pcs產品使用珍珠棉將端子端用橡皮筋包扎, 每PE袋500pcs, PE袋需封口, 如圖示 (一)			
2. 將泡棉放入外箱中(如圖示二)			
3. 將裝好的成品(如圖示三)放入外箱中, 每箱放4000pcs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。			
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 RFMIA3706251MAE301 75BI031604 10 WW0121-031922193619-200 75BI031604 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)			
標籤註釋權屬 (PSA) 華新科技股份有限公司			
核准:	何耀輝	審核:	趙文豹
制定:	程碧琴		

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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 : 黃瑞郎

APPROVED BY : 陳振榮

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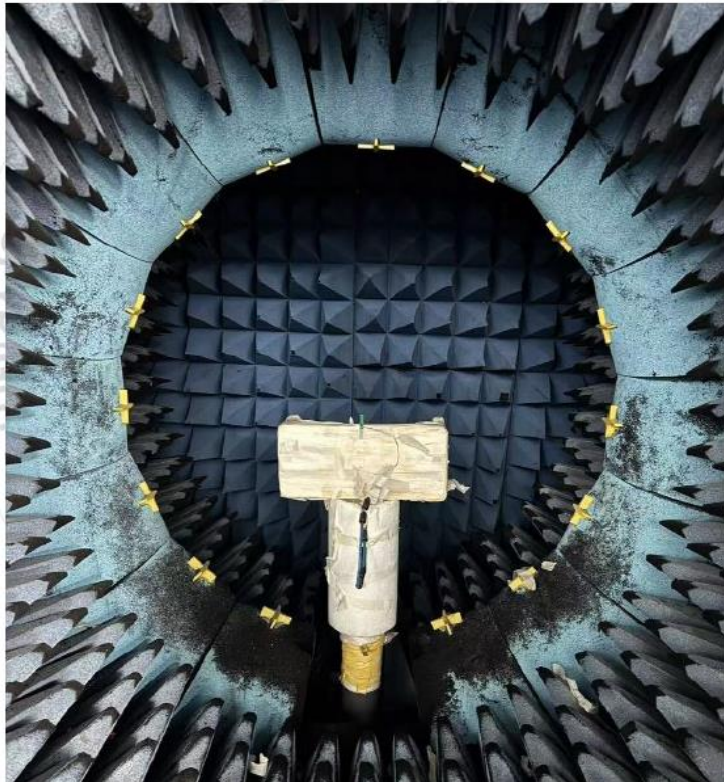
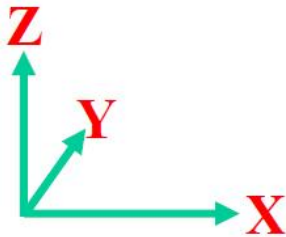
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5. Performance Report :

Test Report■ **ELECTRICAL CHARACTERISTICS****Return Loss**

UNLESS OTHER SPECIFIED TOLERANCES ON :

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

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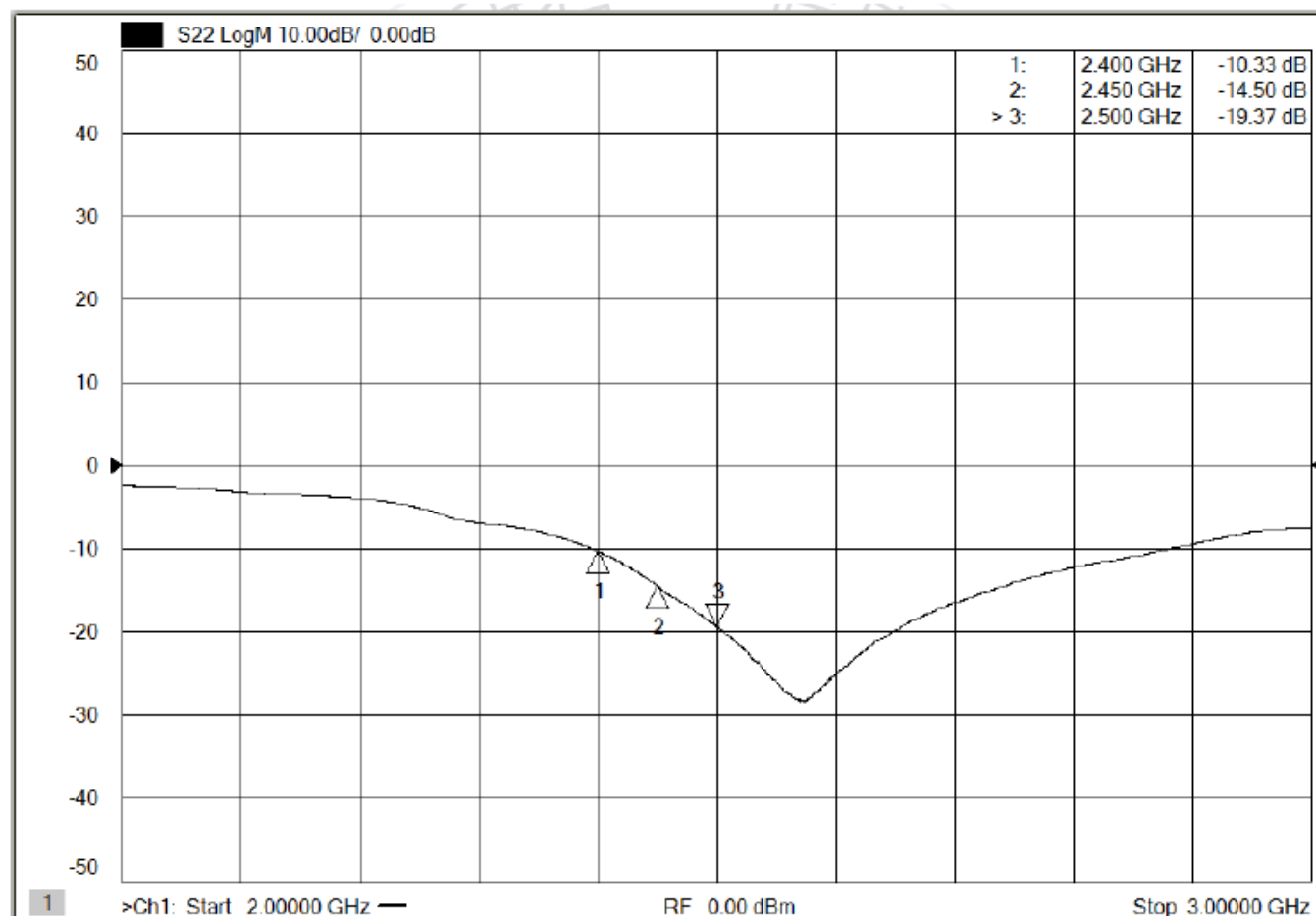
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ELECTRICAL CHARACTERISTICS

Return Loss



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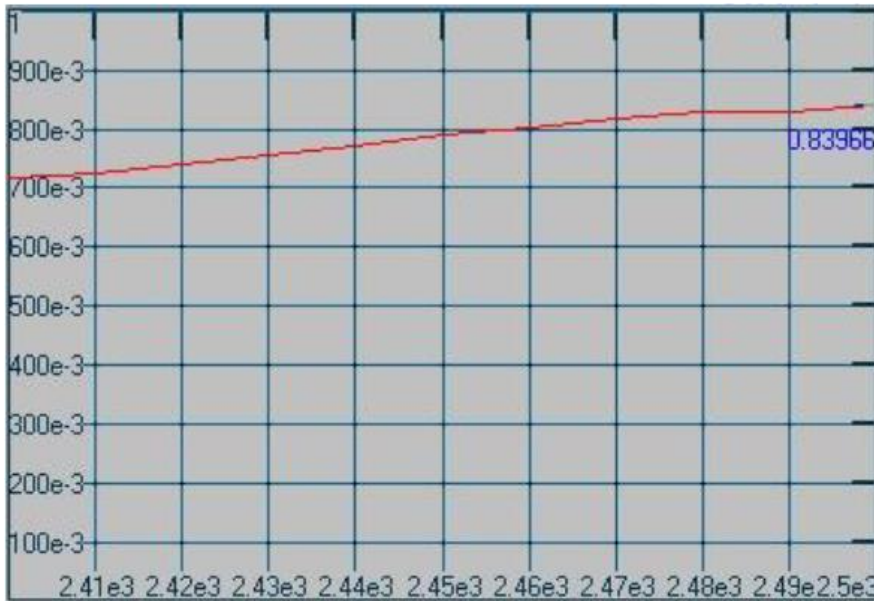
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■ Antenna Efficiency and Peak Gain



Maximum Efficiency at 2500 MHz : 83.97 %



Maximum Peak Gain at 2500 MHz: 2.28 dBi

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ANGLES = N/A

HOLEDIA = N/A



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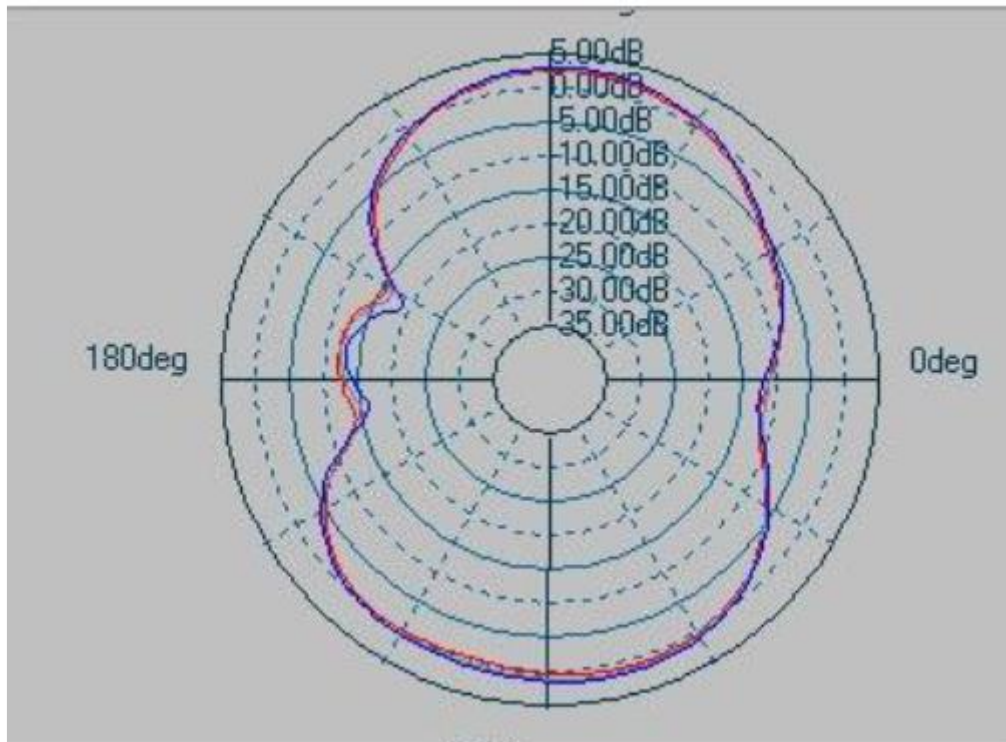
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■ RADIATION PATTERN

2400~2500 MHz

Phi=0.00deg

Gain . dBi



UNLESS OTHER SPECIFIED TOLERANCES ON :

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ANGLES = N/A HOLEDIA = N/A



INPAQ TECHNOLOGY CO., LTD.

SCALE : N/A

UNIT : mm

DRAWN BY : 李欣樺

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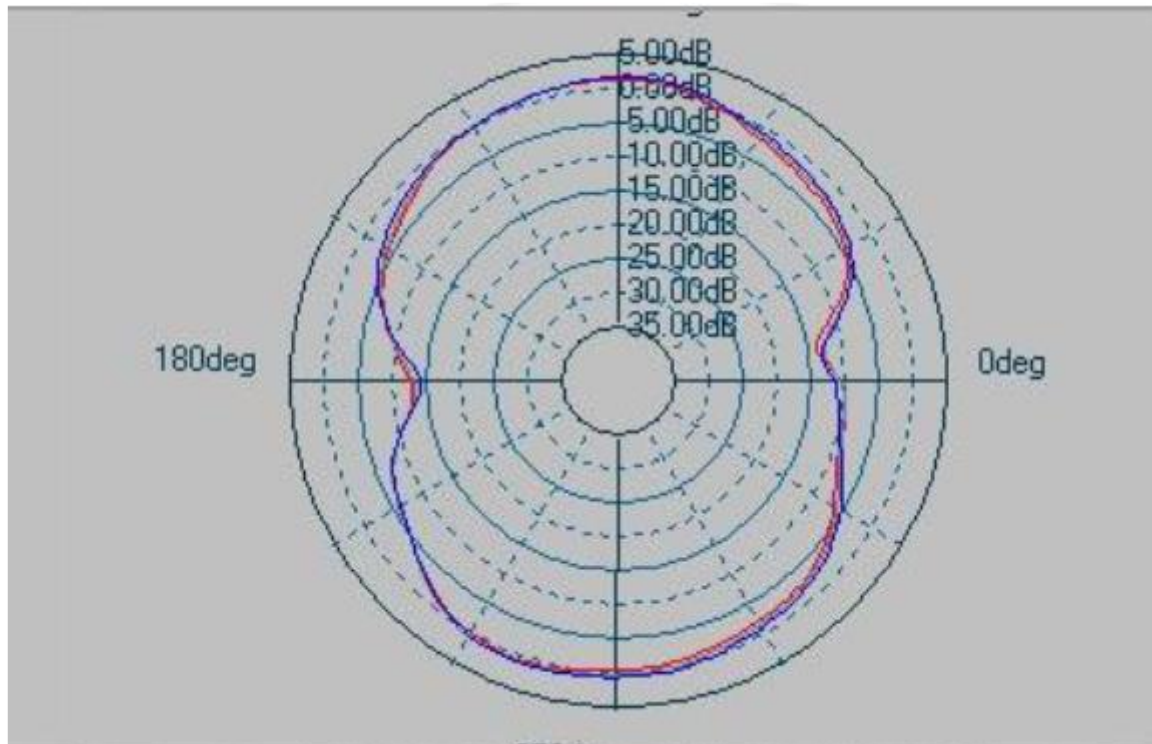
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Phi=90.00deg**Gain . dBi**

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ANGLES = N/A HOLEDIA = N/A

**INPAQ TECHNOLOGY CO., LTD.**

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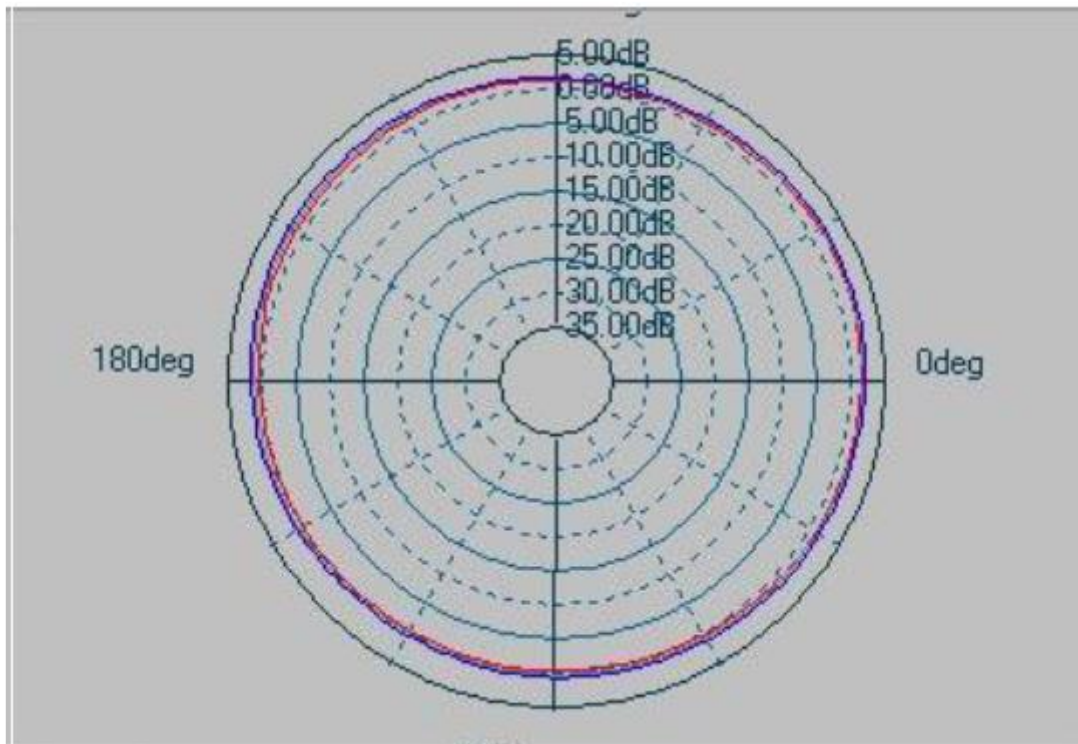
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Theta=90.00deg

Gain . dBi



	ZX plane		ZY plane		XY plane	
Freguency (MHz)	Max Value (dBi)	Average (dBi)	Max Value (dBi)	Average (dBi)	Max Value (dBi)	Average (dBi)
2400	1.87	-2.34	0.69	-2.81	1.88	0.52
2450	2.19	-1.91	1.02	-2.43	2.2	0.99
2500	2.26	-1.67	1.01	-2.22	2.28	1.29

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