

品名：**RFPCA262611IMAB301**

**History List**

版本 REV.	修訂者 EDITOR	修訂頁次 PAGE	修訂內容 ITEMS OF CHANGE	申請日期 DATE	生效日期 VALID DATE	ECN 編號 ECN NO.
P0	劉采璇	ALL	New Release	2024/12/27	According to the date of PLM Release	N/A
P1	劉采璇	2、7~9	變更Layout、測報	2025/01/03	According to the date of PLM Release	N/A
P3	劉采璇	2、7~9	增加點膠	2025/01/10	According to the date of PLM Release	N/A

# 品名：RFPCA262611IMAB301

## 1. Explanation of part number :

RF	PCA	2626	11	I	M	A	B	3	01
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	PCB Antenna	Per 2 digits of length, width e.g.: 2626 Length 26.5mm, Width 26.0mm	2 digits for cable length e.g.: 11 Cable Length:11.0cm	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	2.4 ~ 2.5 GHz
Return Loss	-10dB(Max)
Peak Gain	2.79 dBi
Polarization	Linear Vertical
Radiation Pattern	Directional
Impedance	50Ω

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.**

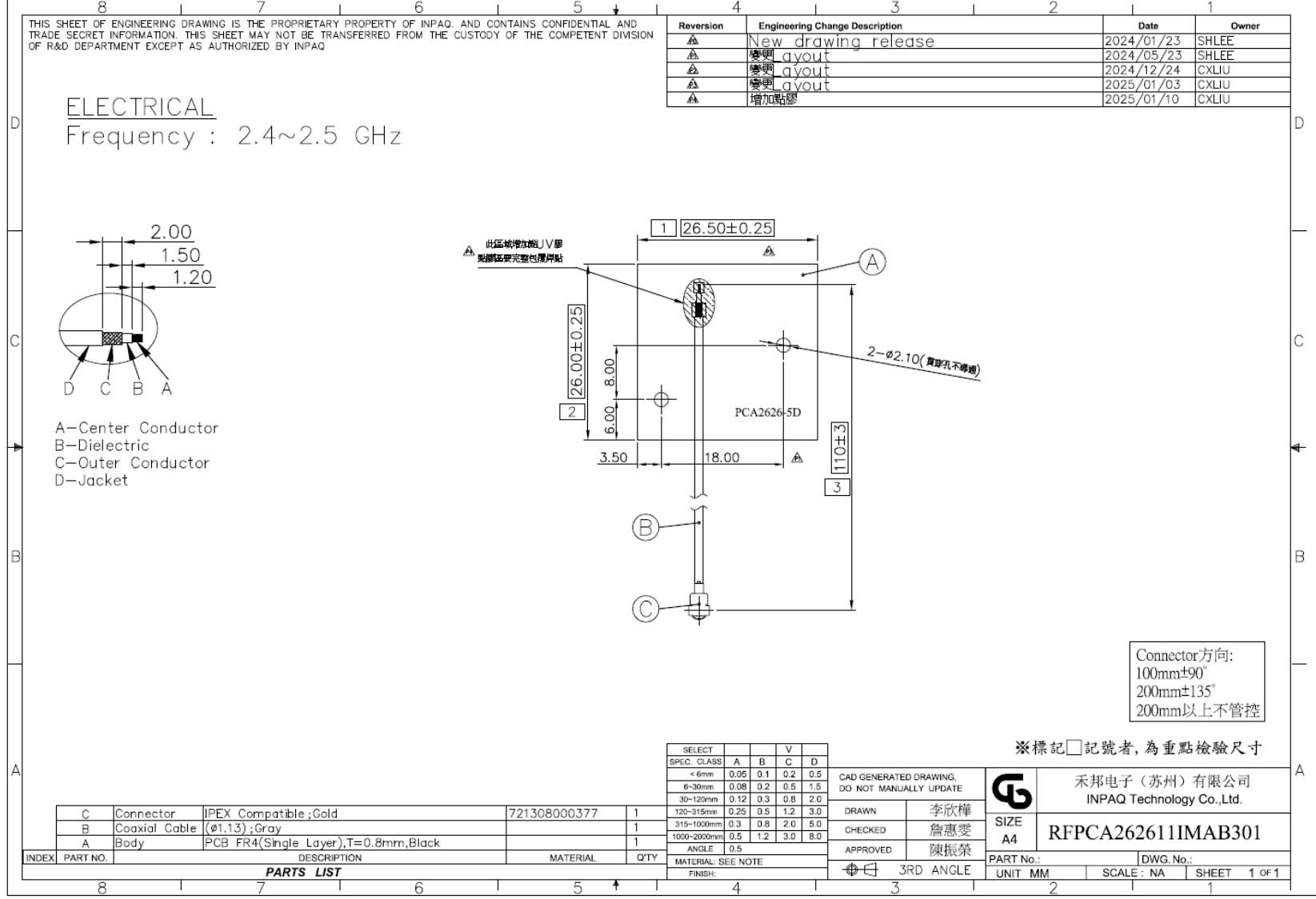
SCALE : N/A      UNIT : mm  
 DRAWN BY : 劉采璇      CHECKED BY : 詹惠雯  
 DESIGNED BY : 林育帆      APPROVED BY : 陳振榮

THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION

TITLE : RFPCA262611IMAB301

DOCUMENT NO.      SPEC REV. P1

### 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



INPAQ TECHNOLOGY CO., LTD.

SCALE : N/A UNIT : mm  
DRAWN BY : 劉采璇 CHECKED BY : 詹惠雯  
DESIGNED BY : 林育帆 APPROVED BY : 陳振榮

THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION

TITLE : RFPCA262611IMAB301

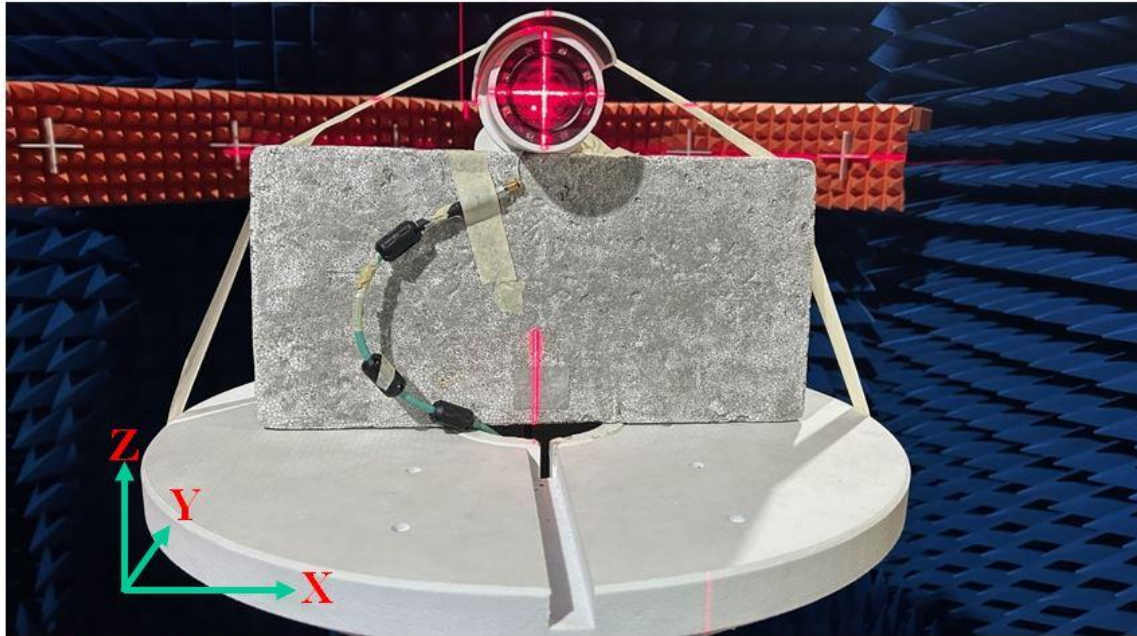
DOCUMENT NO.


SPEC REV. P1

4. Performance Report :

**Test Report**


**Experimental Setup**



UNLESS OTHER SPECIFIED TOLERANCES ON :		 <b>INPAQ TECHNOLOGY CO., LTD.</b>	
X = N/A	X.X = N/A      X.XX = N/A		
ANGLES = N/A	HOLEDIA = N/A	THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION	
SCALE : N/A	UNIT : mm		
DRAWN BY : 劉采璇	CHECKED BY : 詹惠雯		
DESIGNED BY : 林育帆	APPROVED BY : 陳振榮		
TITLE : RFPCA262611IMAB301		DOCUMENT NO.	SPEC REV. <b>P1</b>

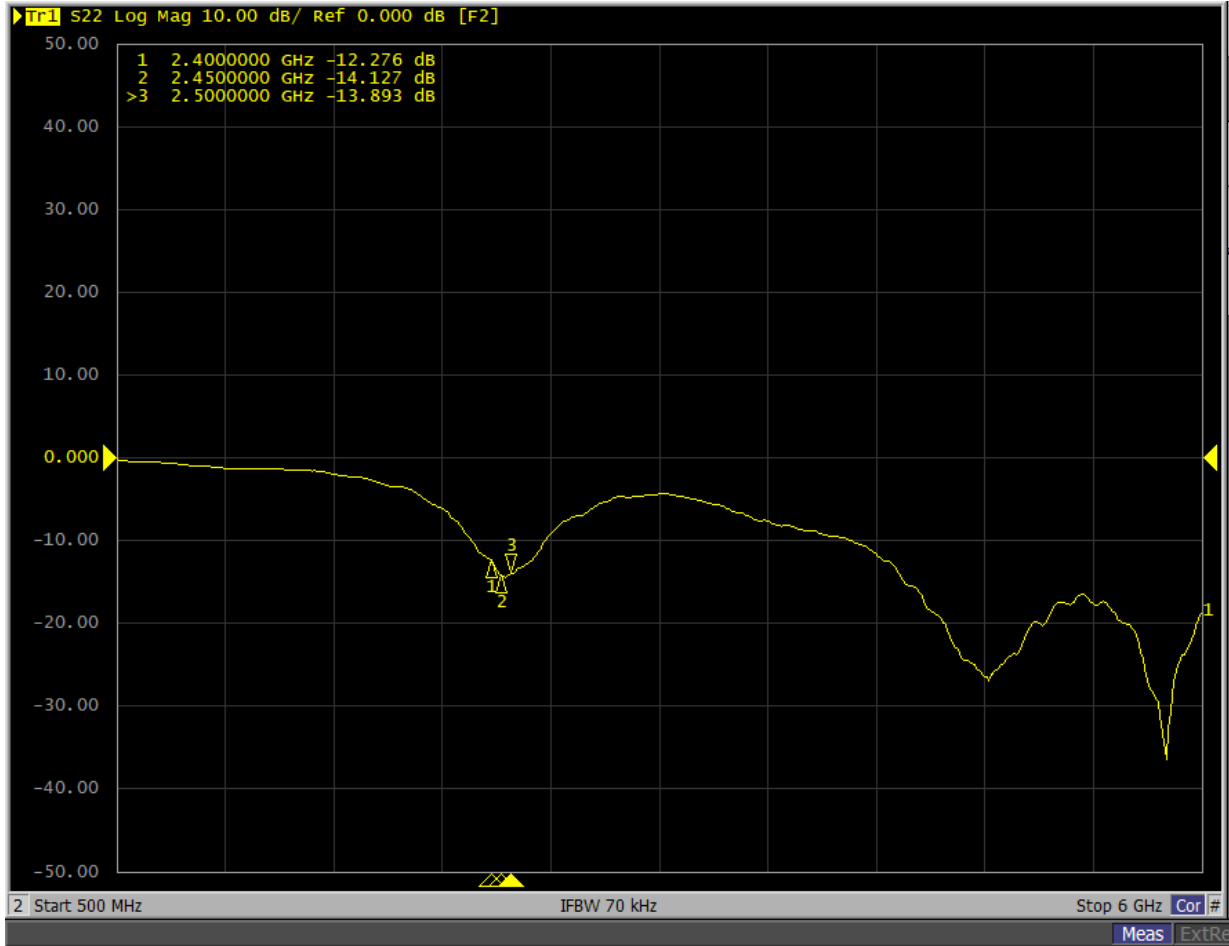
**Antenna Solution Detail**




UNLESS OTHER SPECIFIED TOLERANCES ON : X=N/A      X.X=N/A      X.XX=N/A ANGLES=N/A      HOLEDIA=N/A		 <b>INPAQ TECHNOLOGY CO., LTD.</b>	THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION
SCALE : N/A	UNIT : mm		
DRAWN BY : 劉采璇	CHECKED BY : 詹惠雯		
DESIGNED BY : 林育帆	APPROVED BY : 陳振榮		
TITLE : RFPCA262611IMAB301		DOCUMENT NO.	SPEC REV. <b>P1</b>

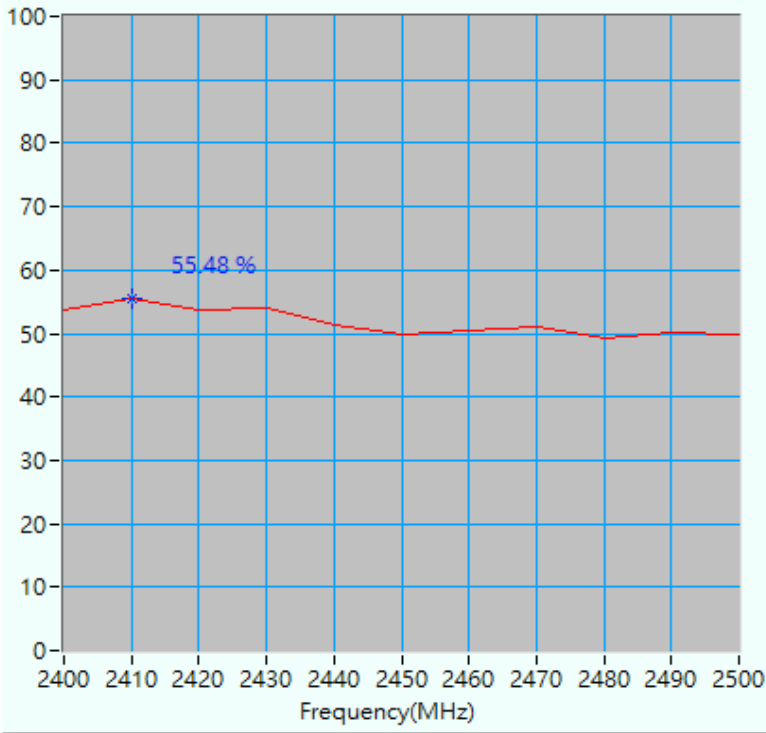
# ELECTRICAL CHARACTERISTICS

## Return Loss

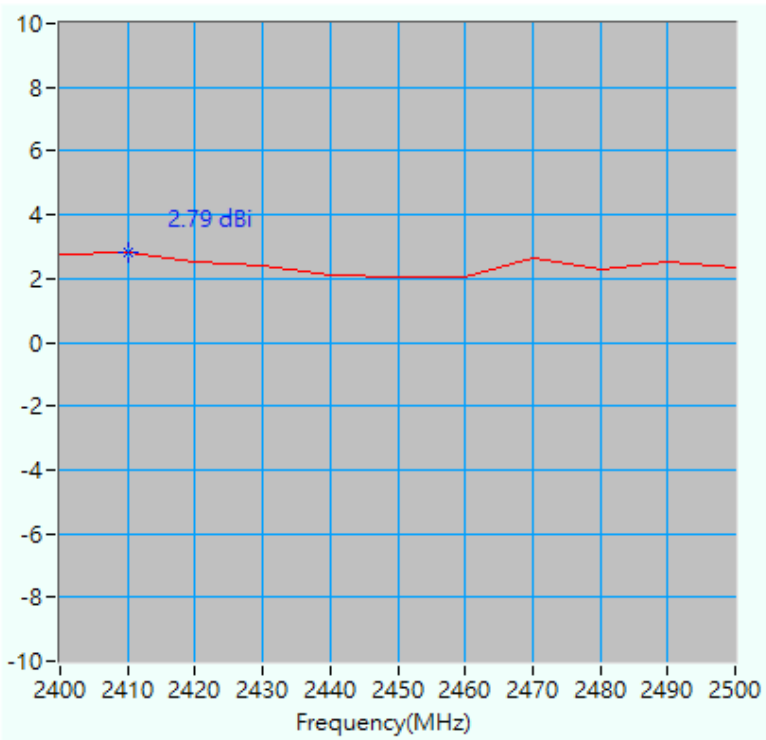


UNLESS OTHER SPECIFIED TOLERANCES ON :		 <b>INPAQ TECHNOLOGY CO., LTD.</b>	
X=N/A	X.X=N/A X.XX=N/A		
ANGLES=N/A	HOLEDIA=N/A	THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION	
SCALE : N/A	UNIT : mm		
DRAWN BY : 劉采璇	CHECKED BY : 詹惠雯		
DESIGNED BY : 林育帆	APPROVED BY : 陳振榮		
TITLE : RFPCA262611MAB301		DOCUMENT NO.	SPEC REV. P1


## Antenna Efficiency and Peak Gain



Maximum Efficiency at 5200 MHz : 55.48 %



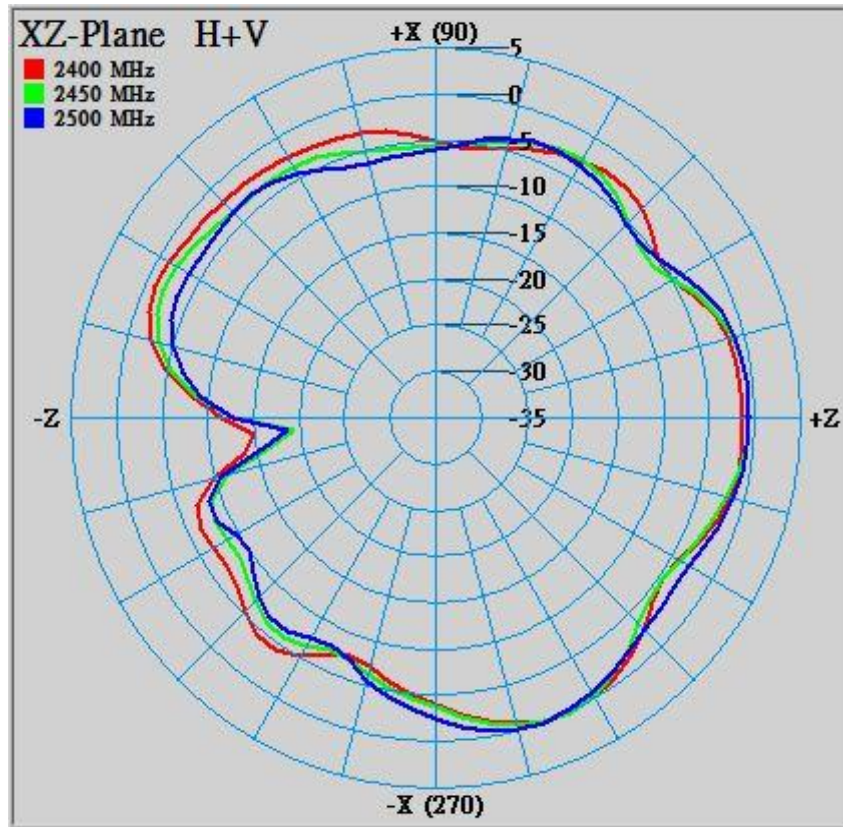
Maximum Peak Gain at 2470 MHz : 2.79 dBi

UNLESS OTHER SPECIFIED TOLERANCES ON : X=N/A      X.X=N/A      X.XX=N/A ANGLES=N/A      HOLEDIA=N/A		 <b>INPAQ TECHNOLOGY CO., LTD.</b>	THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION
SCALE : N/A	UNIT : mm		
DRAWN BY : 劉采璇	CHECKED BY : 詹惠雯		
DESIGNED BY : 林育帆	APPROVED BY : 陳振榮		
TITLE : RFPCA262611IMAB301		DOCUMENT NO.	SPEC REV. <b>P1</b>

## 2D Radiation Patterns

Phi=0.00deg

Gain . dB



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 : 劉采璇      CHECKED BY : 詹惠雯  
 DESIGNED BY : 林育帆      APPROVED BY : 陳振榮

THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION

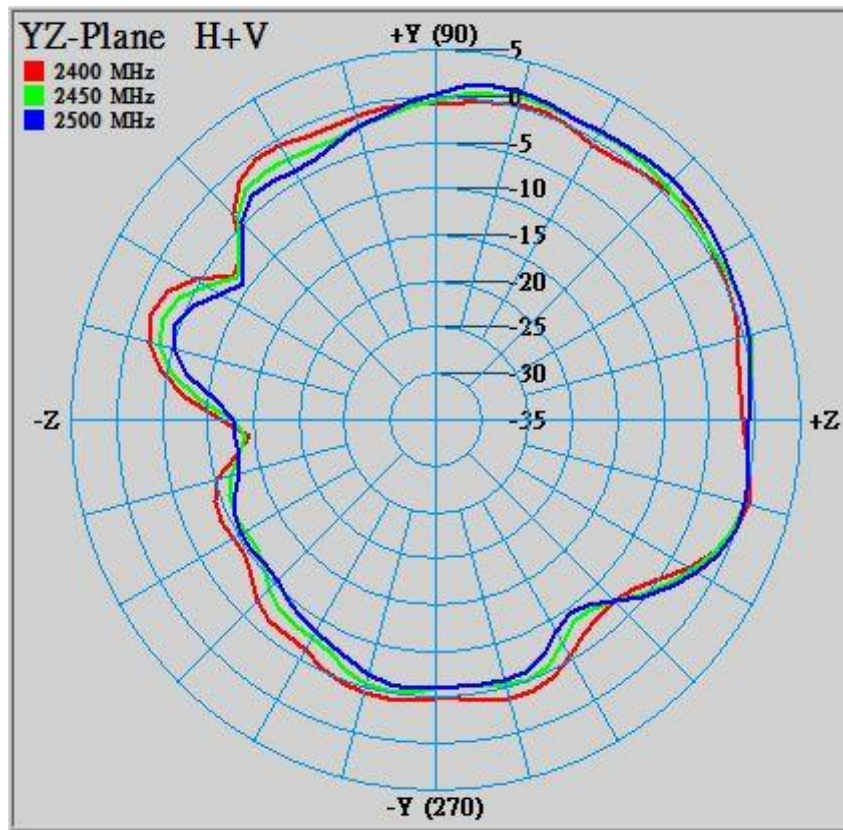
TITLE : RFPCA262611MAB301


DOCUMENT NO.	SPEC REV.



Phi=90.00deg

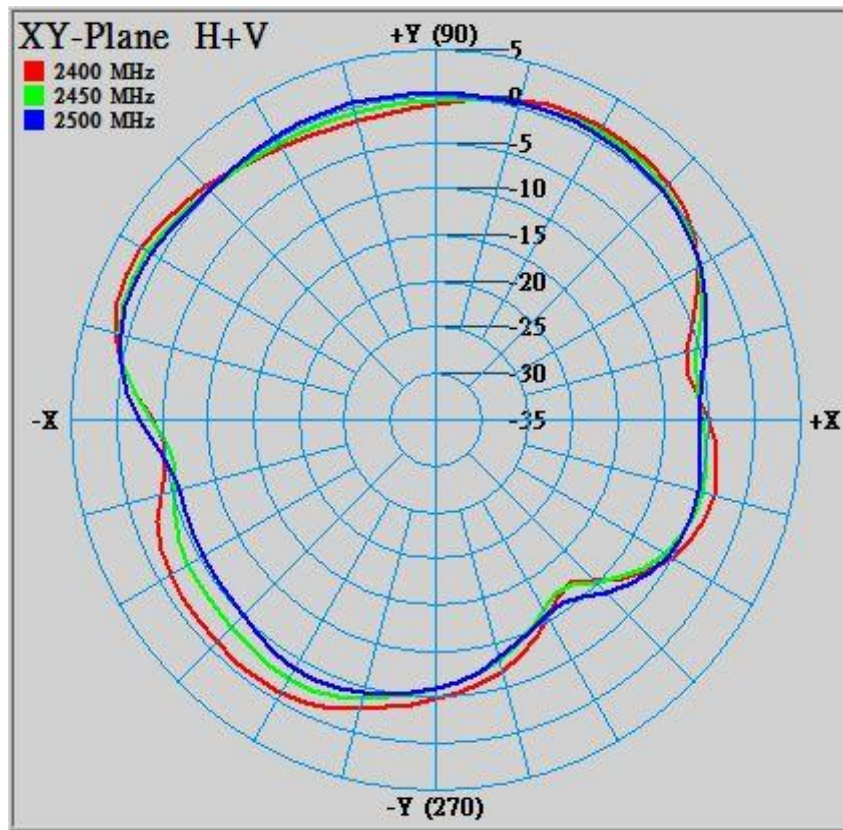
Gain . dB




UNLESS OTHER SPECIFIED TOLERANCES ON :		 <b>INPAQ TECHNOLOGY CO., LTD.</b>	
X=N/A	X.X=N/A X.XX=N/A		
ANGLES=N/A HOLEDIA=N/A		THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION	
SCALE : N/A	UNIT : mm		
DRAWN BY : 劉采璇	CHECKED BY : 詹惠雯		
DESIGNED BY : 林育帆	APPROVED BY : 陳振榮		
TITLE : RFPCA262611IMAB301		DOCUMENT NO.	SPEC REV. <b>P1</b>

Theta=90.00deg

Gain . dB



UNLESS OTHER SPECIFIED TOLERANCES ON :		 <b>INPAQ TECHNOLOGY CO., LTD.</b>	
X=N/A	X.X=N/A X.XX=N/A		
ANGLES=N/A HOLEDIA=N/A		THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION	
SCALE : N/A	UNIT : mm		
DRAWN BY : 劉采璇	CHECKED BY : 詹惠雯		
DESIGNED BY : 林育帆	APPROVED BY : 陳振榮		
TITLE : RFPCA262611IMAB301		DOCUMENT NO.	SPEC REV. <b>P1</b>