

1.Explanation of part number :

RF	PCA	4306	11	I	M	A	B	3	01
Type Code	Product Code	PCB Dimension (Unit: mm)	Cable Length (unit: cm)	Connector Brand	Type of Connector	Application	Project status	Wire Diameter	Project
Walsin RF Device	PCB Antenna	Per 2 digits of length, width e.g.: 4306 Length 43.5mm, Width 6.5mm	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: 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:∅0.81 2:∅1.32 3:∅1.13 4:Low Loss ∅1.13 5:∅0.5 6:RG316 7: ∅1.37 8:RG178 9:Low Loss ∅1.37	01~99 series number

2.Electrical Specification :

Item	Specification
Working Frequency Range	2400 ~ 2500MHz
Return Loss	-10 dB
Peak Gain	3.55 dBi
VSWR	2 max.
Polarization	Linear Vertical
Rpadiation Pattern	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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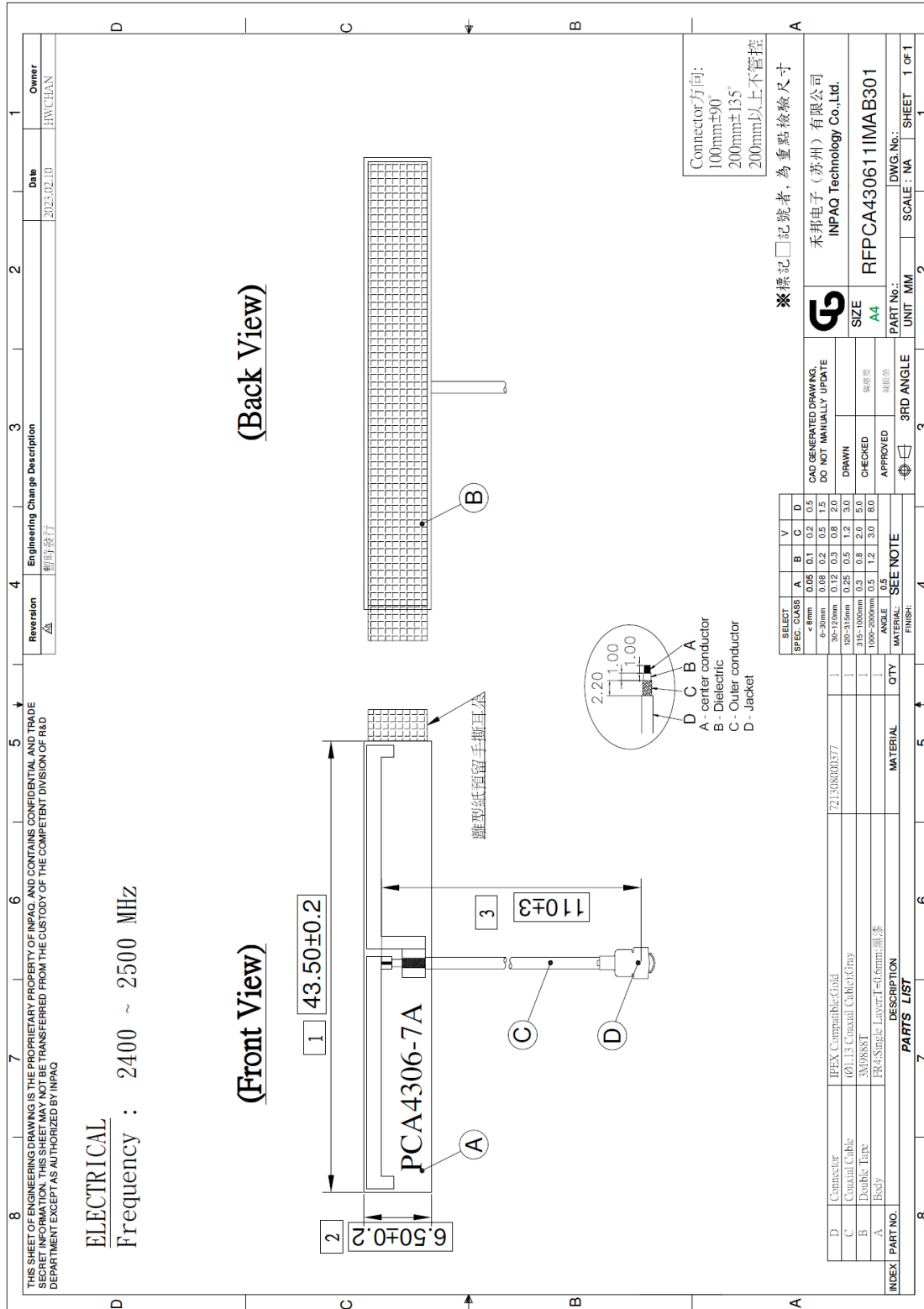
TITLE : RFPCA430611MAB301


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3. Antenna Drawing :

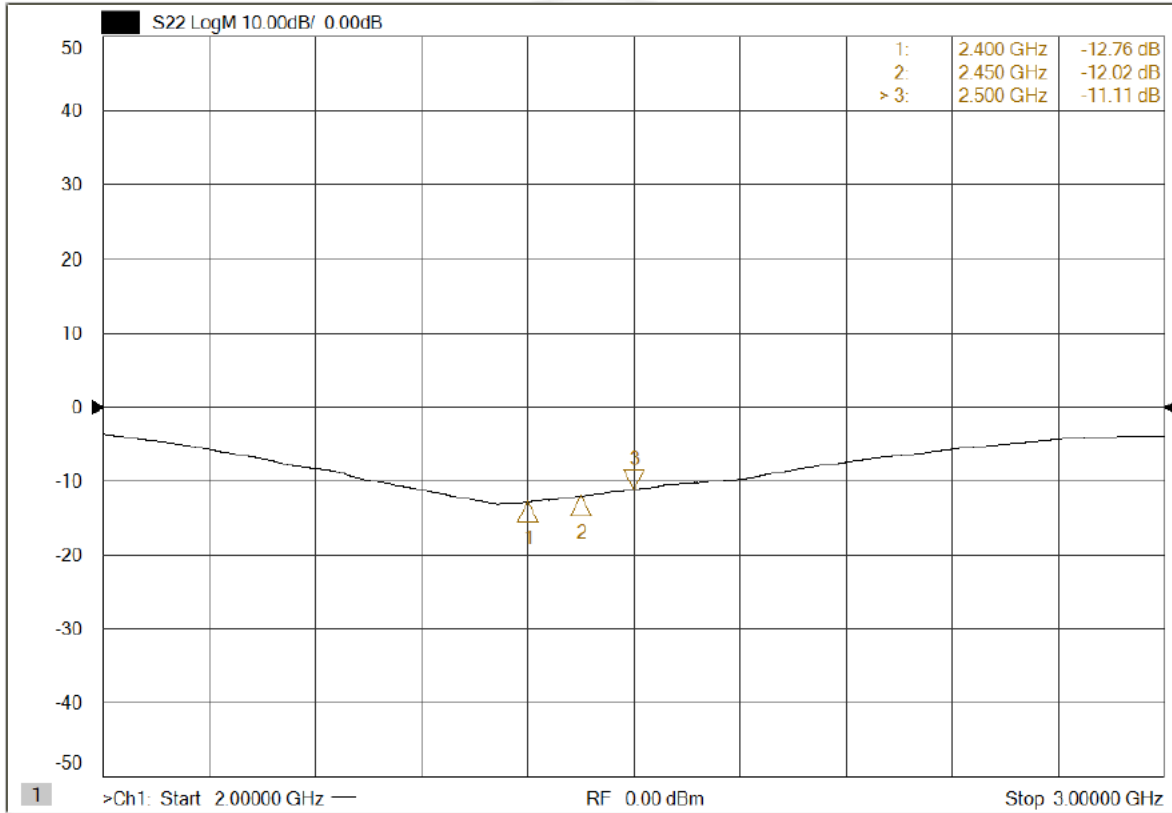



UNLESS OTHER SPECIFIED TOLERANCES ON : X=N/A X.X=N/A X.XX=N/A ANGLES=N/A HOLEDIA=N/A		 INPAQ TECHNOLOGY CO., LTD.
SCALE : N/A	UNIT : mm	
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ELECTRICAL CHARACTERISTICS

WIFI

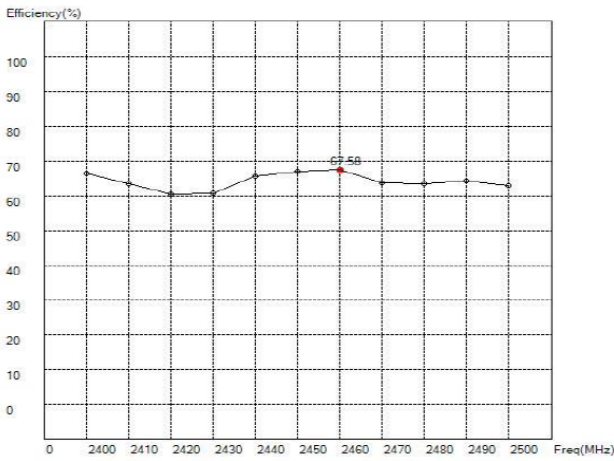
Return Loss



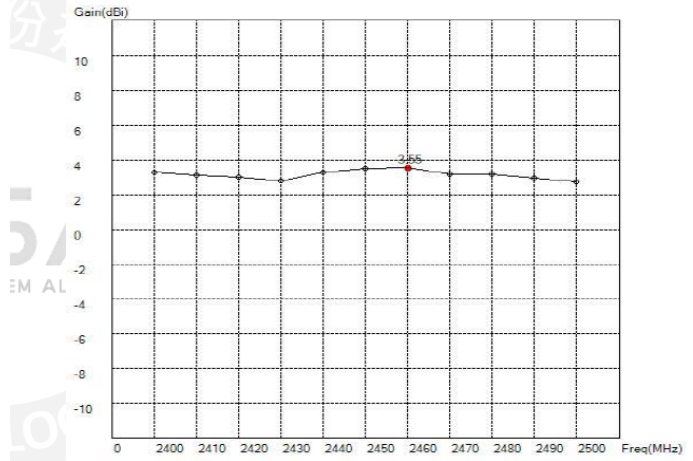
UNLESS OTHER SPECIFIED TOLERANCES ON : X=N/A X.X=N/A X.XX=N/A ANGLES=N/A HOLEDIA=N/A		 INPAQ TECHNOLOGY CO., LTD.
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Antenna Efficiency & Peak Gain


WIFI



Maximum Efficiency at 2460 MHz : 67.58 %



Maximum Peak Gain at 2460 MHz : 3.55 dBi

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.
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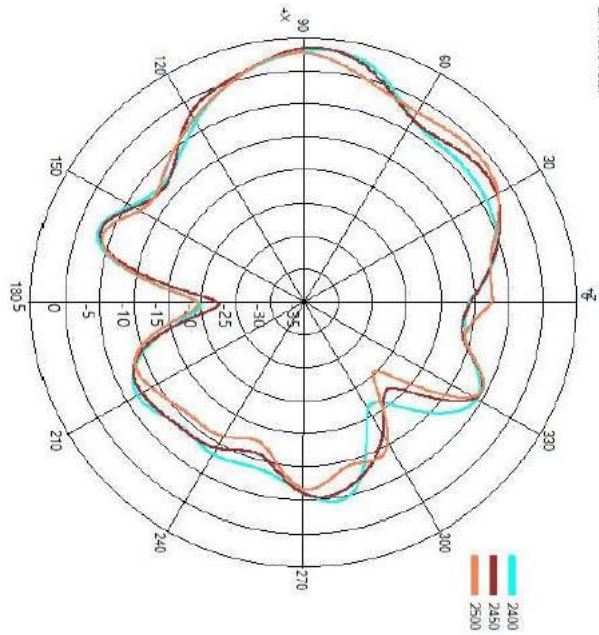
RADIATION PATTERN

2400 ~ 2500 MHz


X-Z Plane

Phi=0.00deg

Gain . dB



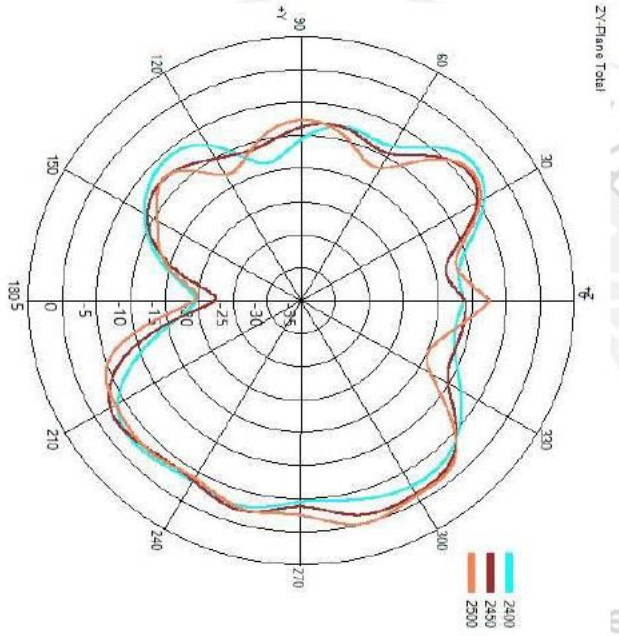
ZX-Plane Total


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.
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Y-Z Plane

Phi=90.00deg

Gain . dB

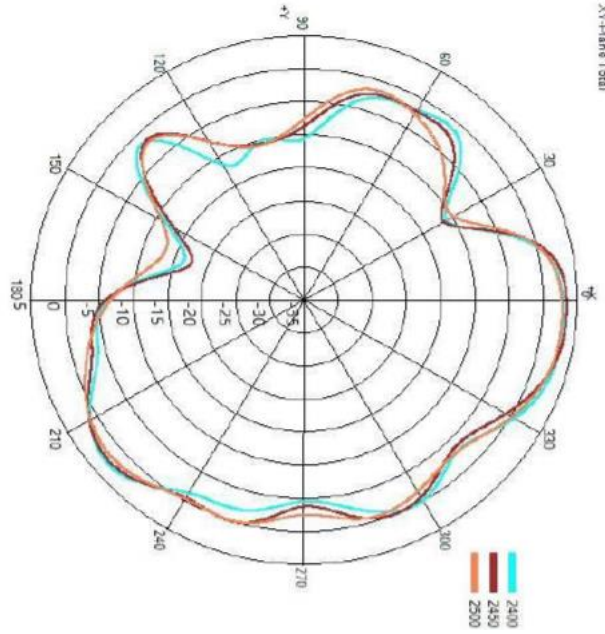


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X-Y Plane

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	2.99	-4.03	-2.57	-5.89	3.05	-1.66
2450	3.49	-3.87	-1.26	-5.68	3.49	-1.52
2500	2.78	-4.20	-0.04	-5.36	2.78	-1.62

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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