



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: 0.81 2: 1.32 3: 1.13 4:Low Loss 1.13 5: 0.50 6:RG316 7: 1.37 8:RG178 9:Low Loss 1.37 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

SCALE : N/A

UNIT : mm



INPAQ TECHNOLOGY (SUZHOU) CO., LTD
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Huangdai Town, Xiangcheng Zone, Suzhou

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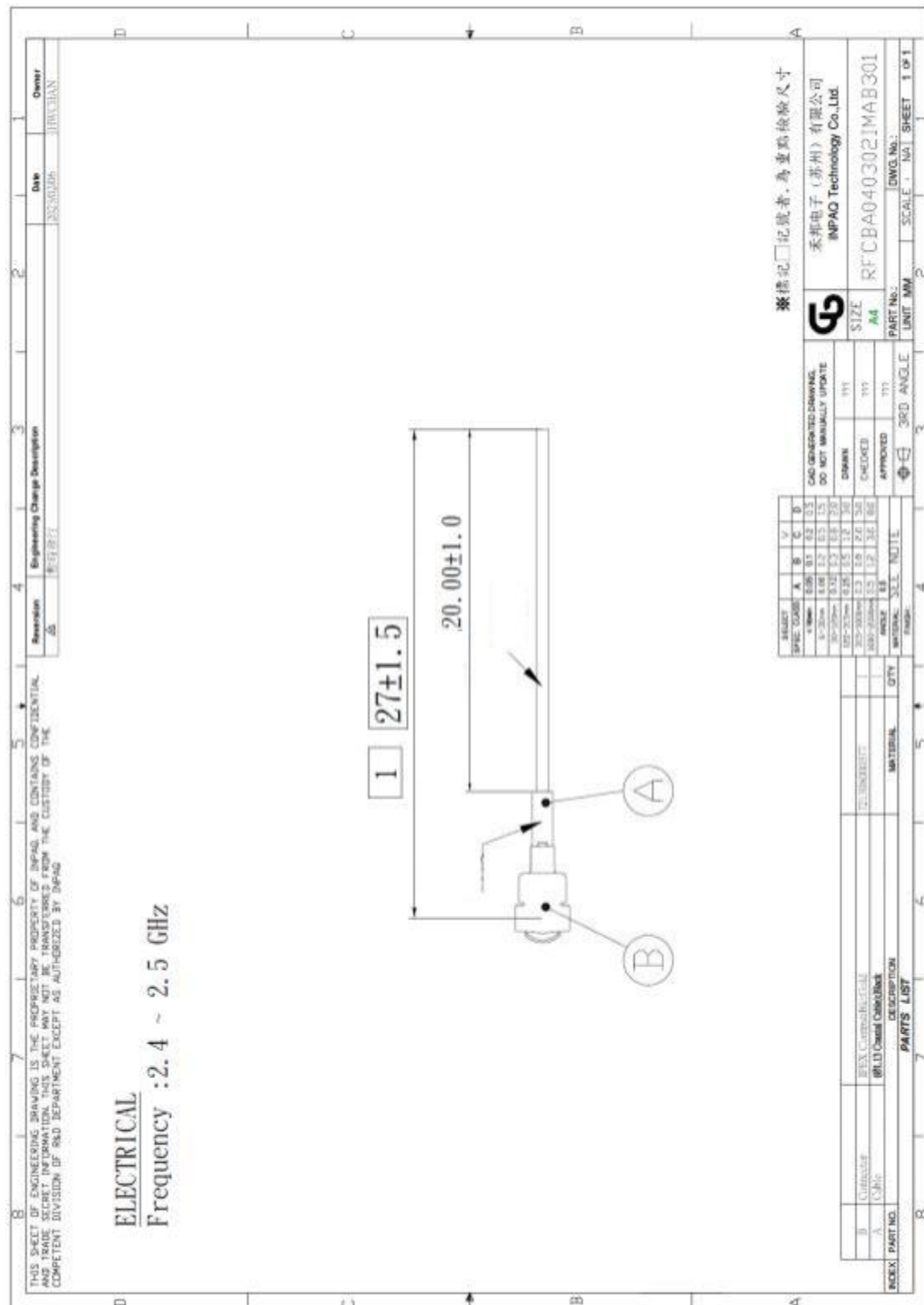
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3. Antenna Drawing :



UNLESS OTHER SPECIFIED TOLERANCES ON :

ANGLES = N/A

HOLEDIA = N/A

SCALE : N/A

UNIT : mm



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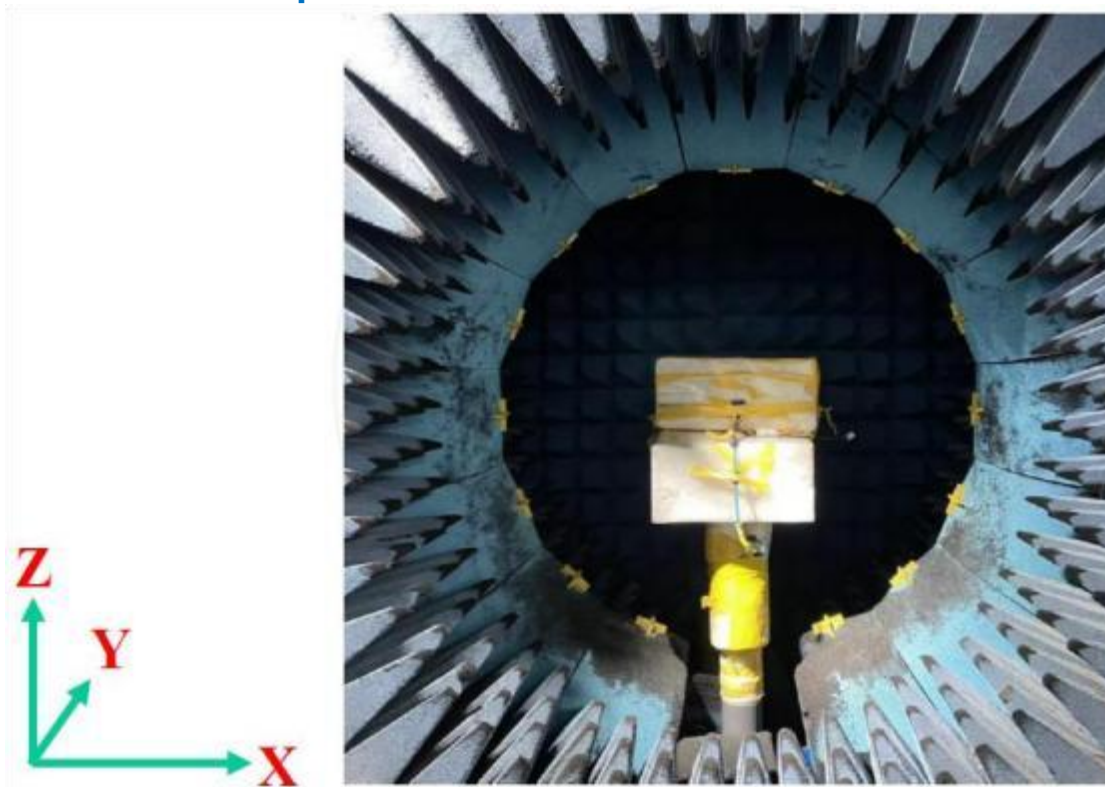
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4. Performance Report :

Test Report

■ Experimental Setup



Antenna Solution Detail



UNLESS OTHER SPECIFIED TOLERANCES ON :
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HOLEDIA = N/A

SCALE : N/A

UNIT : mm



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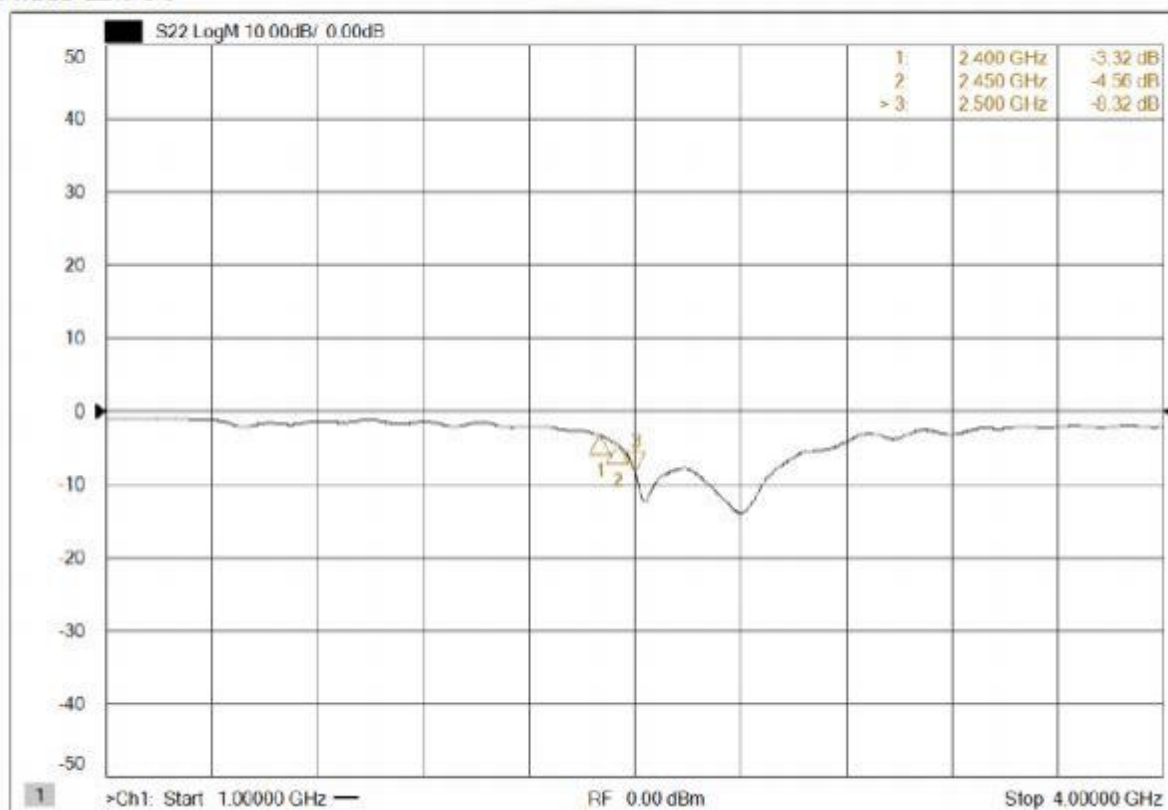
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ELECTRICAL CHARACTERISTICS

Return Loss



UNLESS OTHER SPECIFIED TOLERANCES ON :
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UNIT : mm



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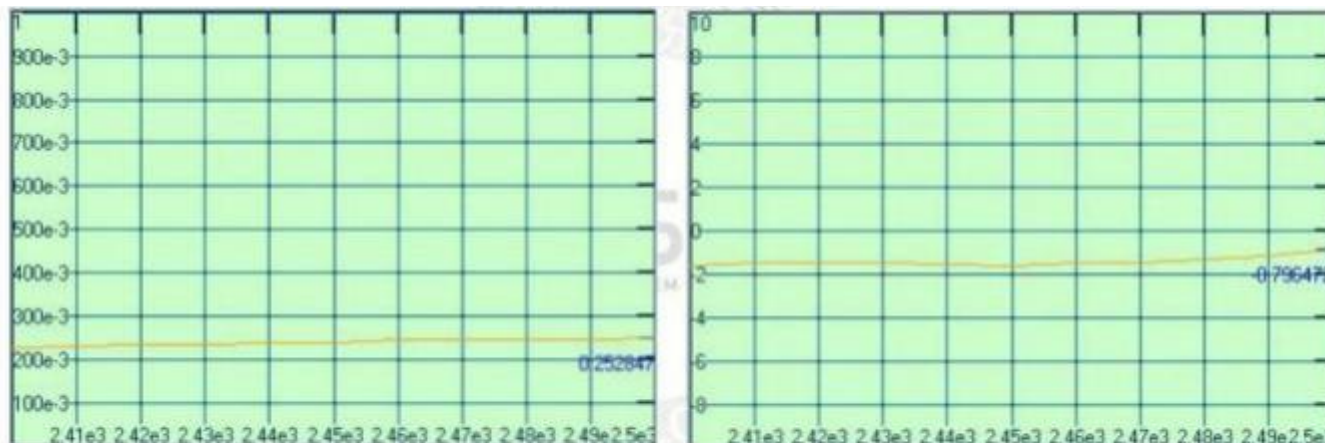
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■ Antenna Efficiency & Peak Gain

2400 ~ 2500 MHz



Maximum Efficiency at 2500 MHz : 25.28 %

Maximum Peak Gain at 2500 MHz : -0.80 dBi

Antenna Efficiency and Peak Gain

Frequency (MHz)	Antenna	
	Efficiency (%)	Peak gain (dBi)
2400	23.06	-1.59
2450	24.09	-1.55
2500	25.28	-0.80

UNLESS OTHER SPECIFIED TOLERANCES ON :
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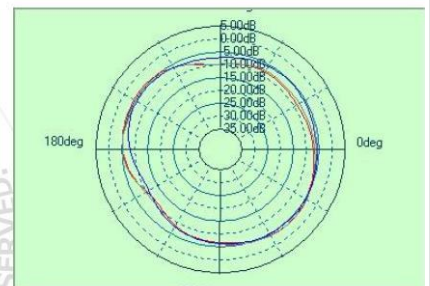
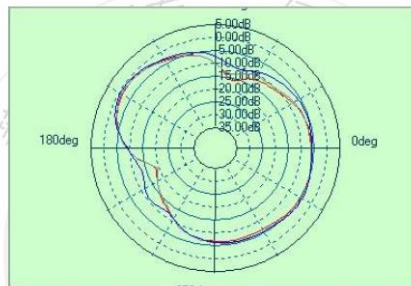
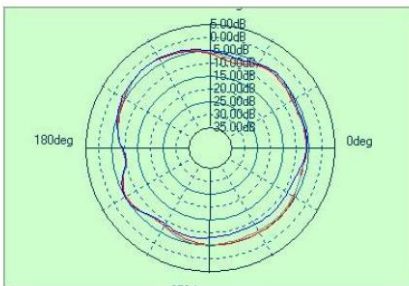
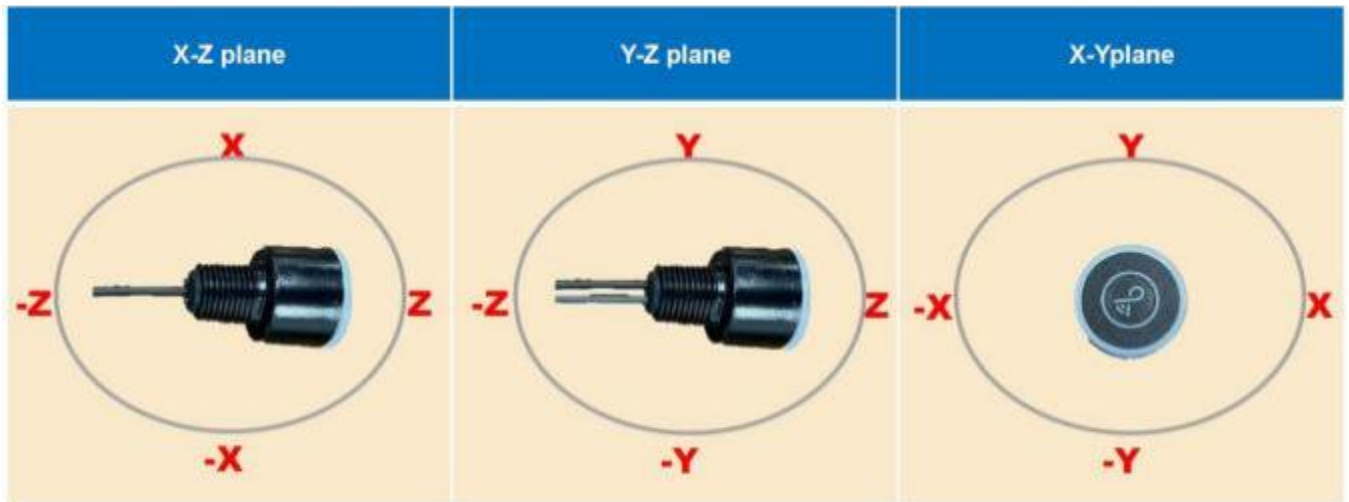
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RADIATION PATTERN

2400 ~ 2500 MHz



Frequency [MHz]	ZX plane		ZY plane		XY plane	
	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]
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	-0.88	-5.80	-4.71	-6.61

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