

品名：RFDPA151600SMBB801

History List

[illegible]

1.Explanation of part number :

RF	DPA	1516	00	S	M	B	B	8	01
Type Code	Product Code	Dipole Dimension (Unit: mm)	Cable Length (unit: cm)	Connector Brand	Type of Connector	Application	Project status	Wire Diameter	Project
Walsin RF Device	DPA: Dipole Antenna	Per 2 digits of length, width e.g.: 1516 Length 154mm, Width 13.0mm	2 digits for cable length e.g.:00 Cable Length: 00cm	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 9:Low Loss Ø1.37	01~99 series number

2.Electrical Specification :

Item	Specification
Working Frequency Range	865 ~ 915 MHz
Return Loss	-10 dB
Peak Gain	1.95 dBi.
Polarization	Linear Vertical
Radiation 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

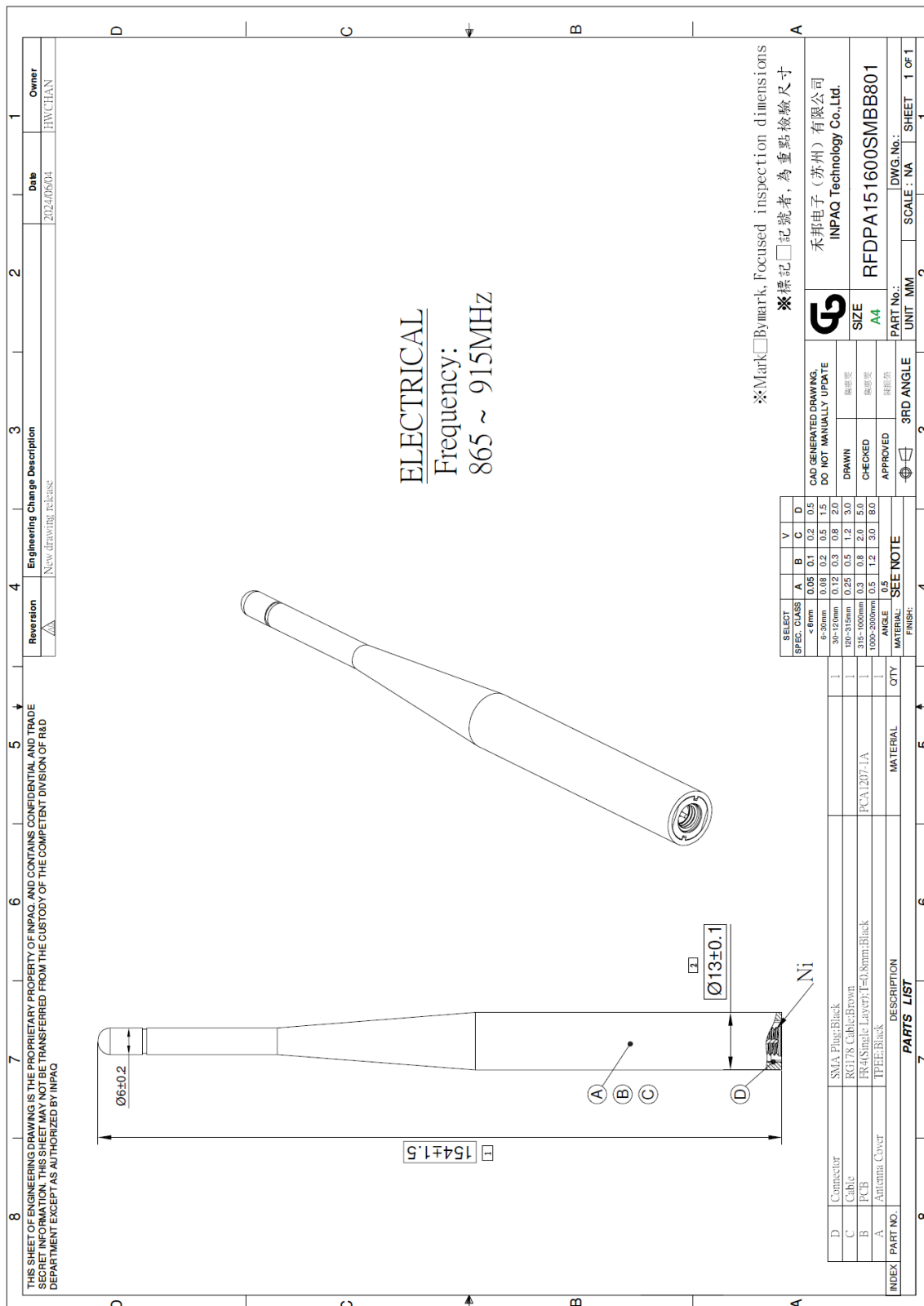
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3. Antenna Drawing :



UNLESS OTHER SPECIFIED TOLERANCES ON :
X=N/A X.X=N/A X.XX=N/A
ANGLES=N/A HOLEDIA=N/A



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4. Performance Report :

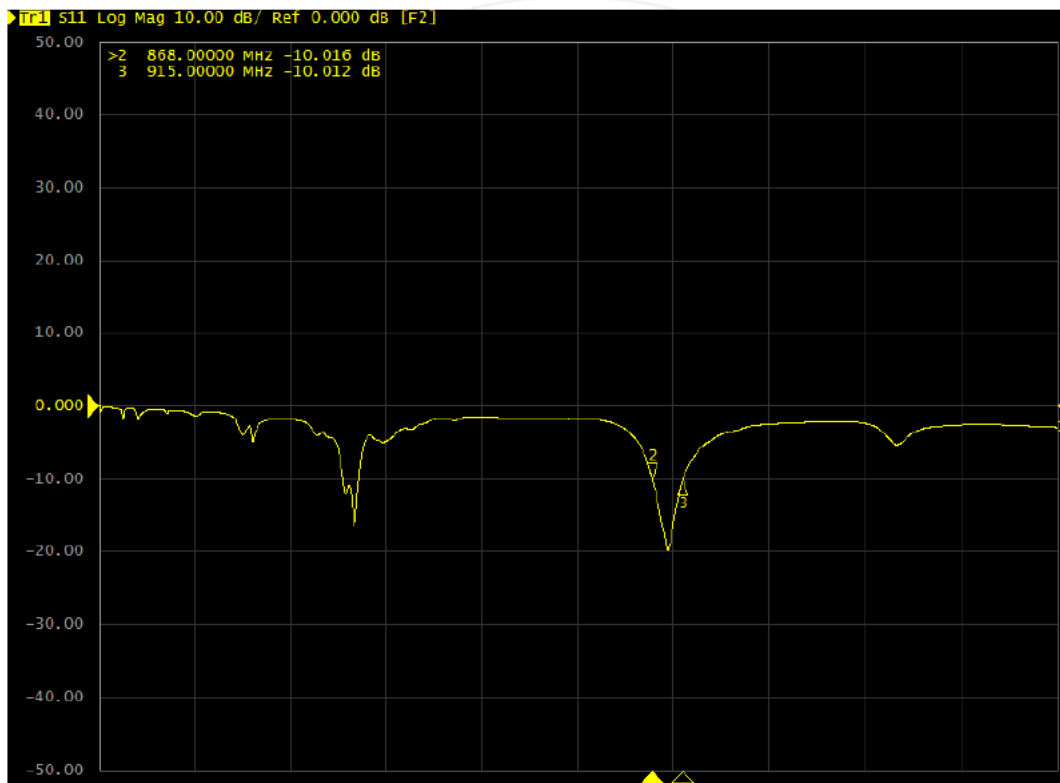
Test Report

■ ELECTRICAL CHARACTERISTICS

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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				A0	

ELECTRICAL CHARACTERISTICS

S-Parameter



UNLESS OTHER SPECIFIED TOLERANCES ON :
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ANGLES = N/A HOLEDIA = N/A



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SCALE : N/A

UNIT : mm

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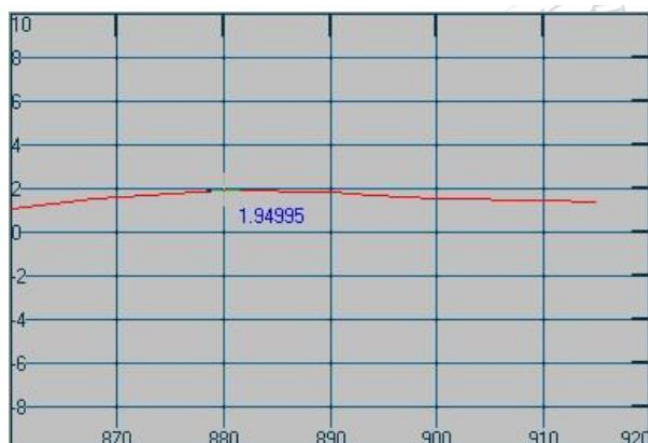
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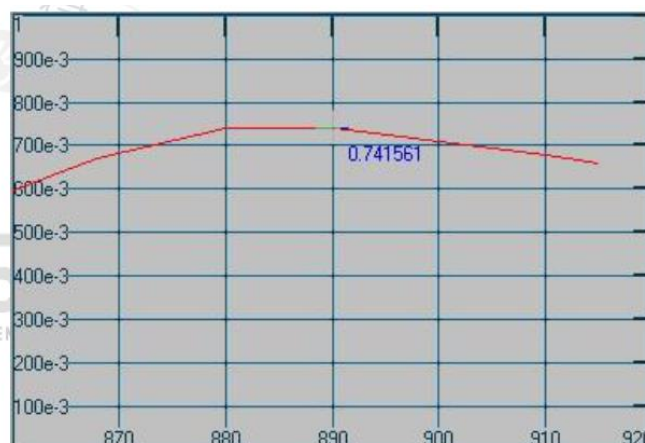
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■ Antenna Efficiency & Peak Gain



Maximum Peak Gain at 890MHz : 1.95 dBi



Maximum Efficiency at 890MHz : 74.16 %

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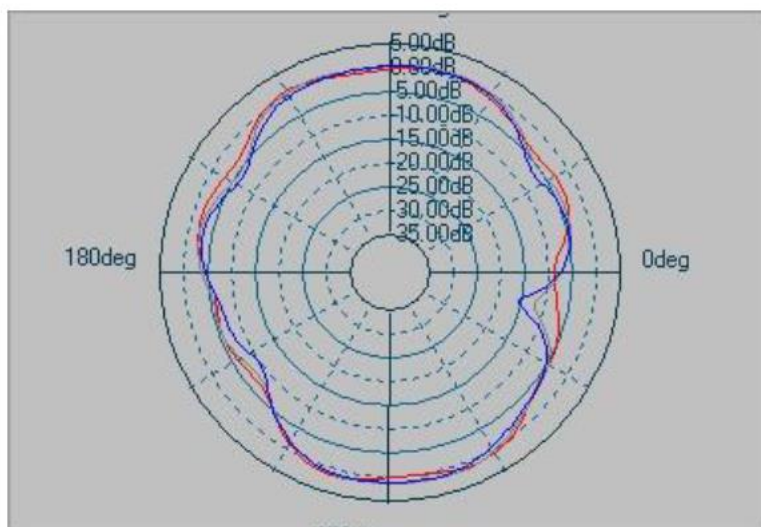
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RADIATION PATTERN

X-Z Plane

Phi=0.00deg

Gain . dB



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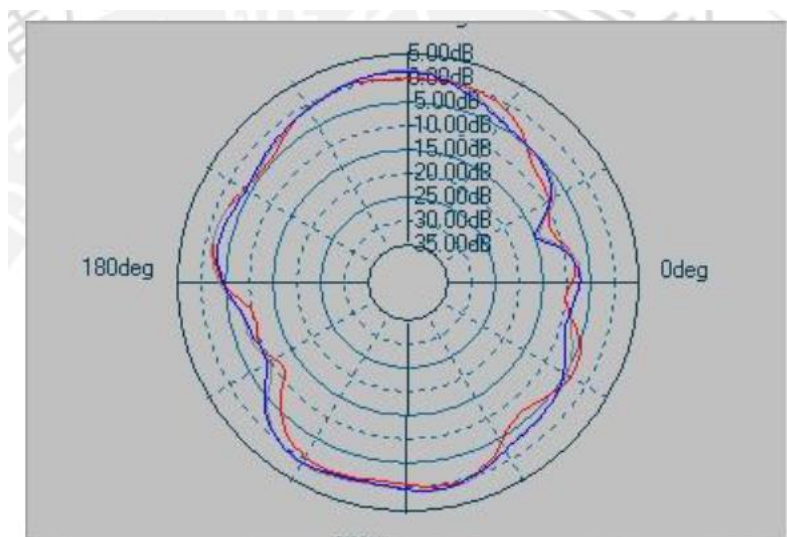
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SPEC REV.
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Y-Z Plane

Phi=90.00deg

Gain . dB



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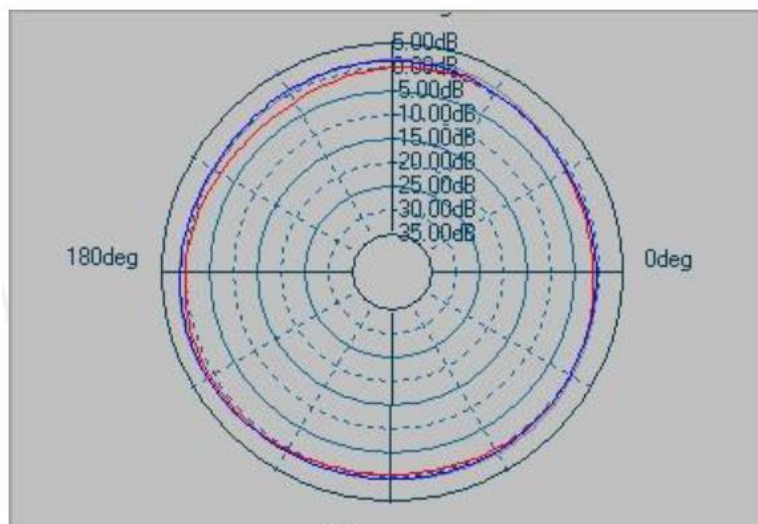
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X-Y Plane

Theta=90.00deg

Gain . dB



Frequency[MHz]	ZX plane		ZY plane		XY plane	
	Max Value[dBi]	Average[dBi]	Max Value[dBi]	Average[dBi]	Max Value[dBi]	Average[dBi]
868	1.09	-2.10	0.26	-3.18	0.57	-0.57
890	1.33	-2.04	1.03	-2.43	1.46	0.41
915	1.03	-2.53	0.73	-2.70	1.36	0.27

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