

品名：**RFDPA870900SBLB814**

History List

[illegible]

品名：RFDPA870900SBLB814

1. Explanation of part number：

RF	DPA	8709	00	S	B	L	B	8	14
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	DPA: Dipole Antenna	Per 2 digits of length, width e.g.: 1310 Length 135.7mm, Width φ 10.0mm	2 digits for cable length e.g.: 00 None Cable	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.x GHz tri-band N: NFC T:LTE band W: WCDMA band	B: MP T:During Test X: Pile Run	0:None 1:□0.81 3:□1.13 6:RG316 7:□1.37 8:RG178	01~99 series number

2. Electrical Specification：

Item	Specification
Working Frequency Range	2.4 ~ 2.5 / 5.15 ~ 5.85 GHz (Note-1)
Gain	2.4 ~ 2.5 GHz : 2.27 dBi 5.15 ~ 5.85GHz : 2.83 dBi
Return Loss	-10dB(Max)
VSWR	2 max.
Polarization	Linear
Radiation Pattern	Omni-directional
Impedance	50Ω
Operation Temperature	-40℃ ~ +75℃

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 : 邱瑩鈺

CHECKED BY : 詹惠雯

DESIGNED BY : 黃瑞郎

APPROVED BY : 陳振榮

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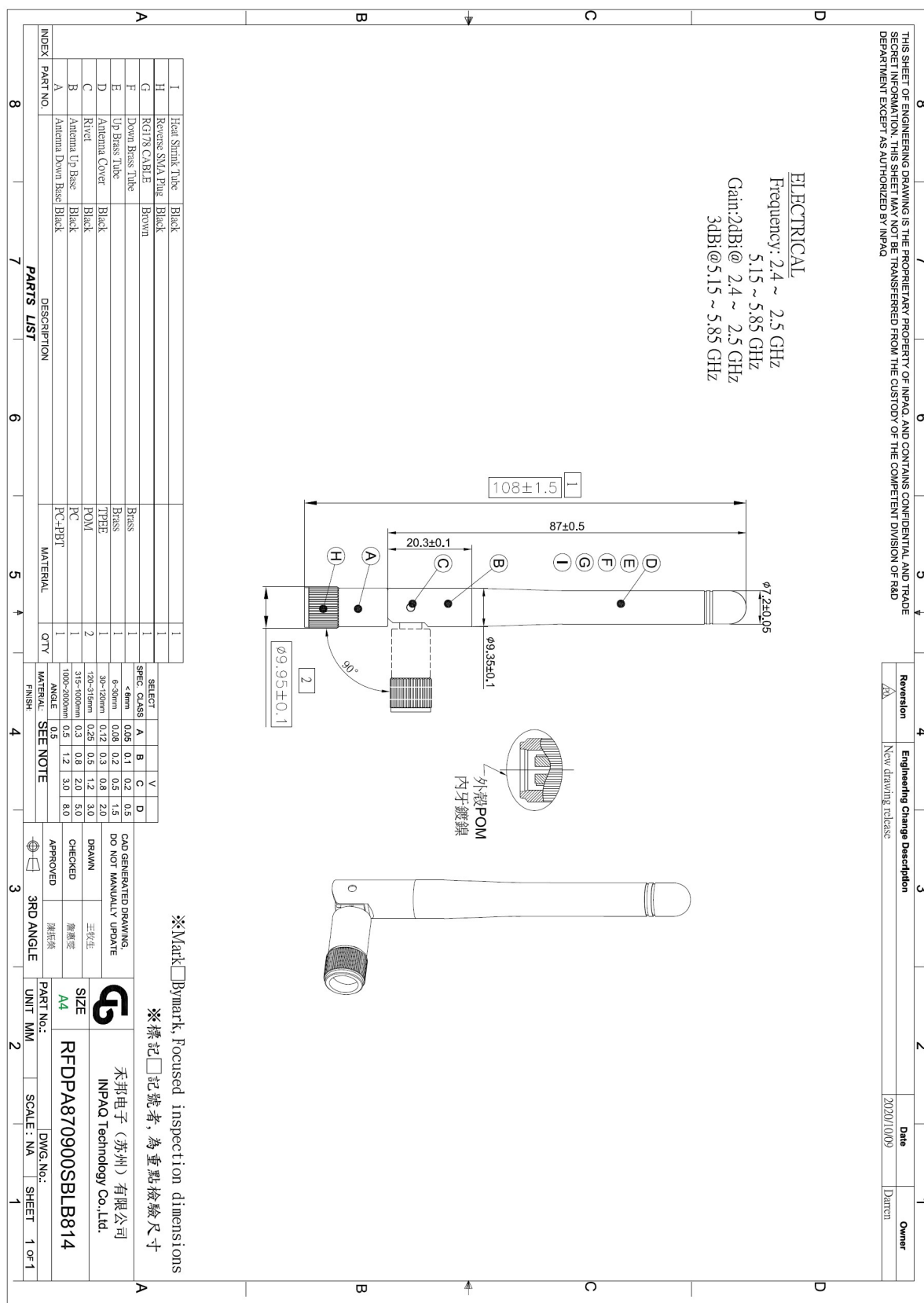
TITLE : RFDPA870900SBLB815

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P0

3. Antenna Drawing :



UNLESS OTHER SPECIFIED TOLERANCES ON :
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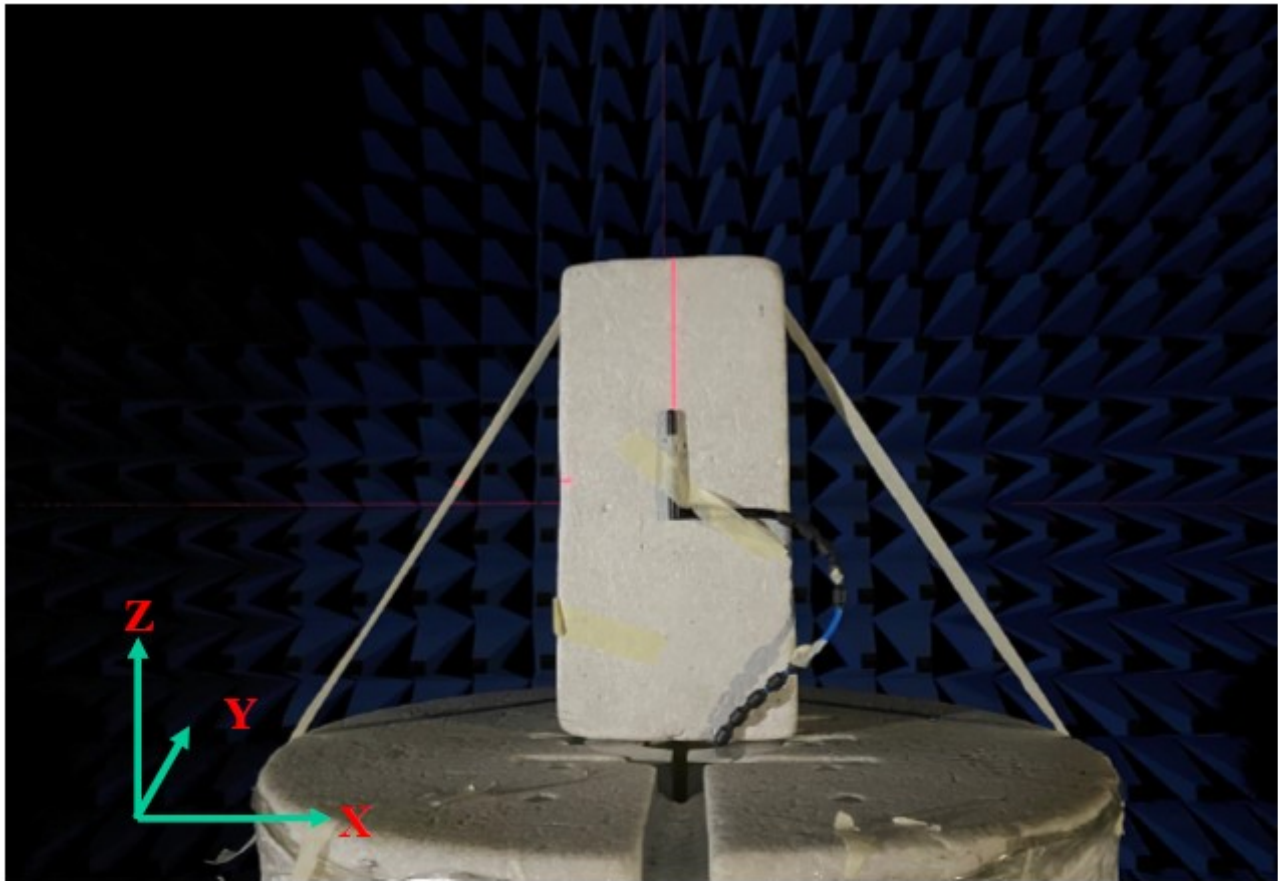
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P0	

4. Performance Report :

Test Report

Experimental Setup


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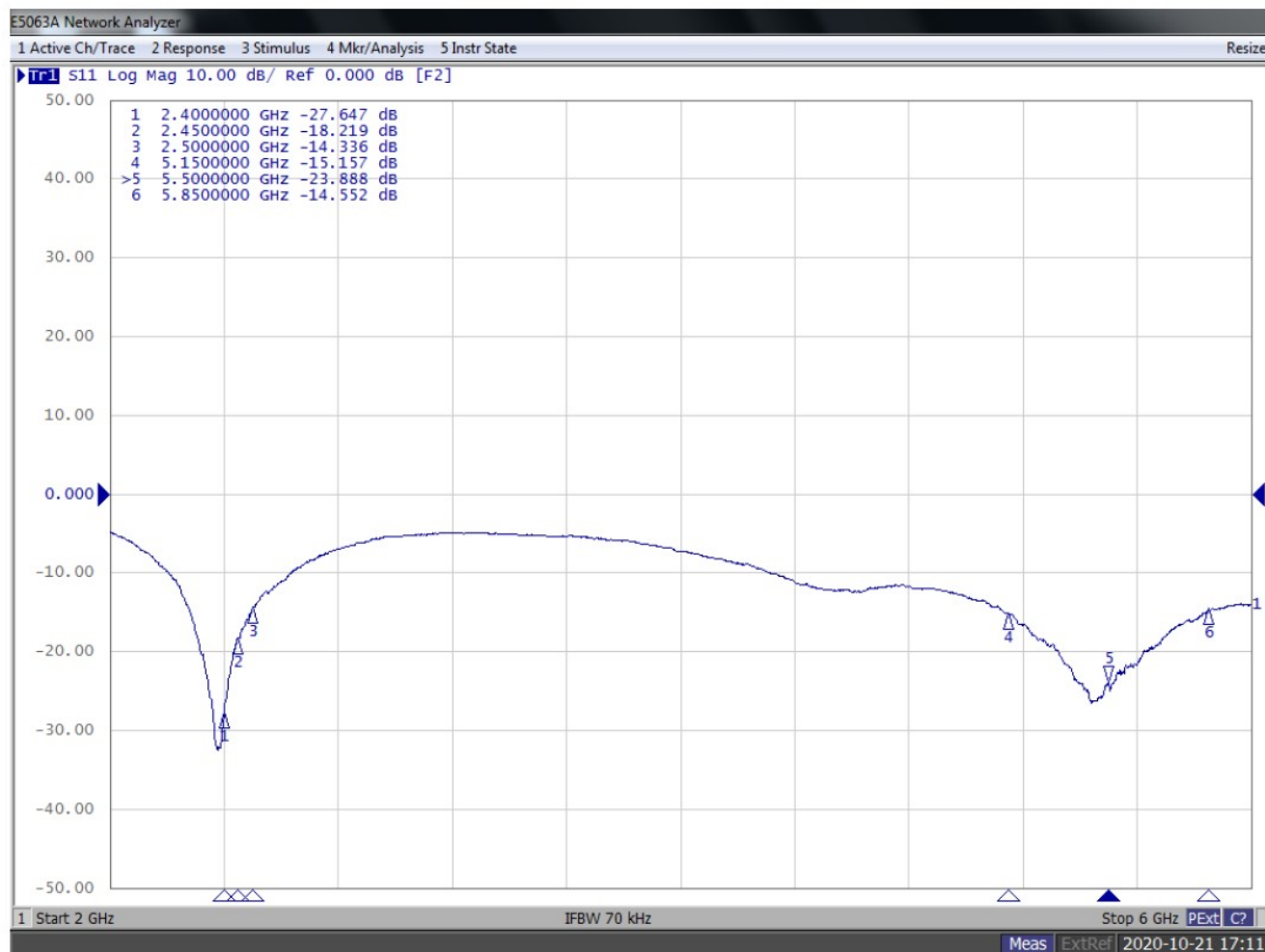
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ELECTRICAL CHARACTERISTICS

Return Loss



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P0

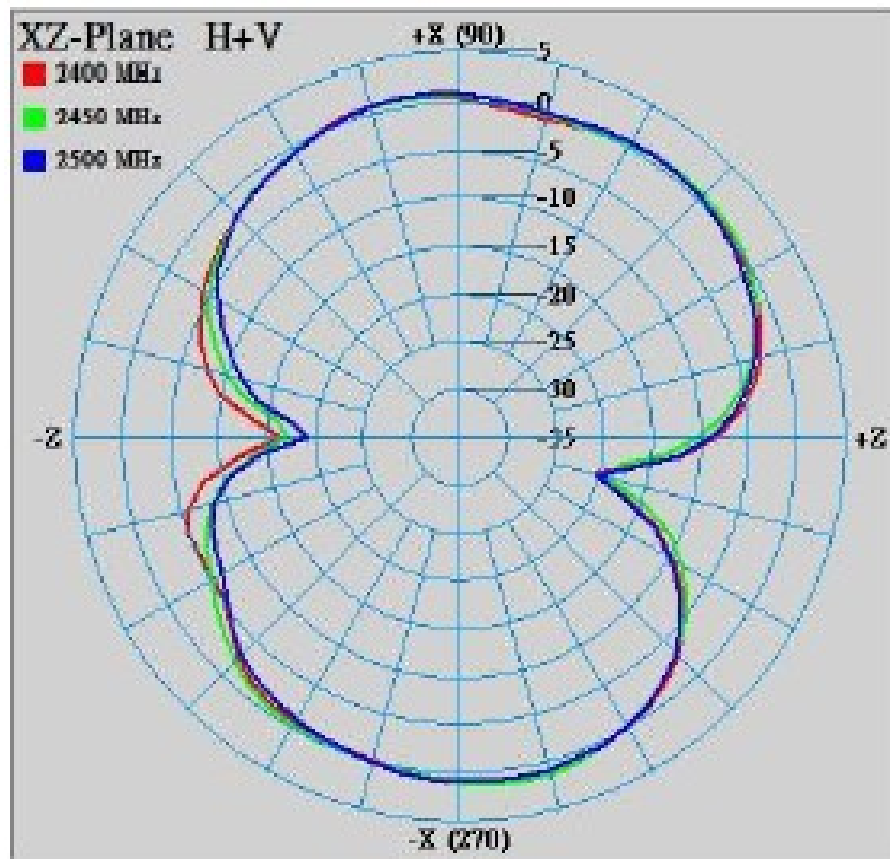
RADIATION PATTERN

2400~2500 MHz

X-Z Plane

Phi=0.00deg

Gain . dB



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



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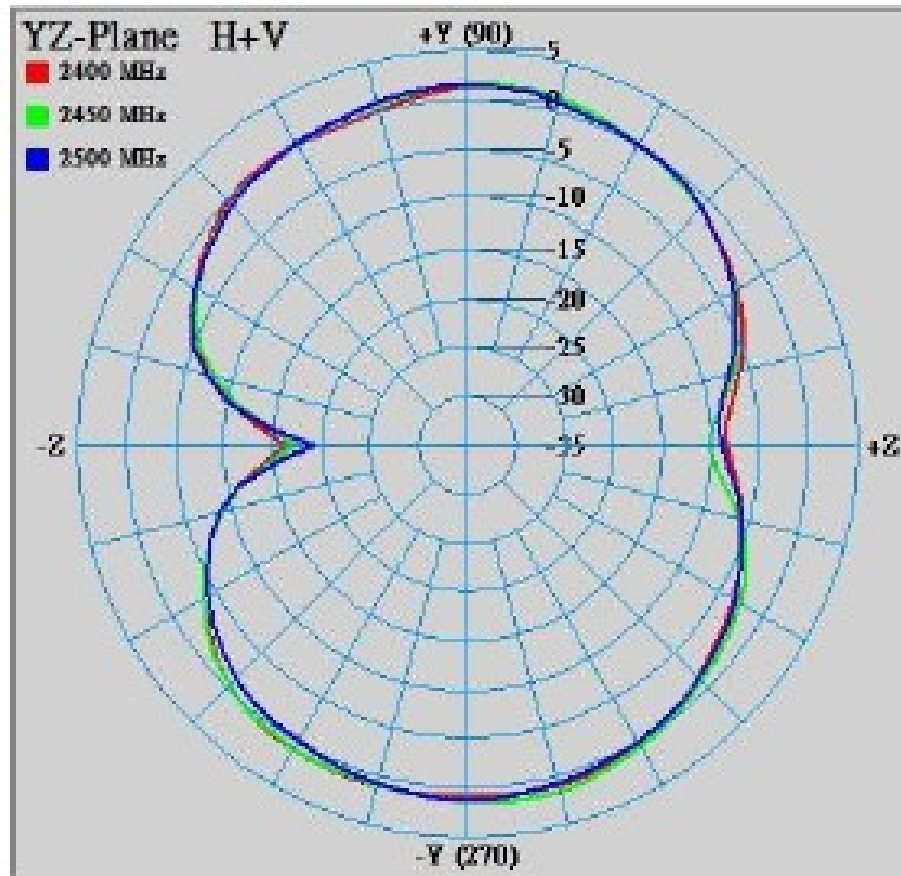
SPEC REV.
P0

2400~2500 MHz

Y-Z Plane

Phi=90.00deg

Gain . dB



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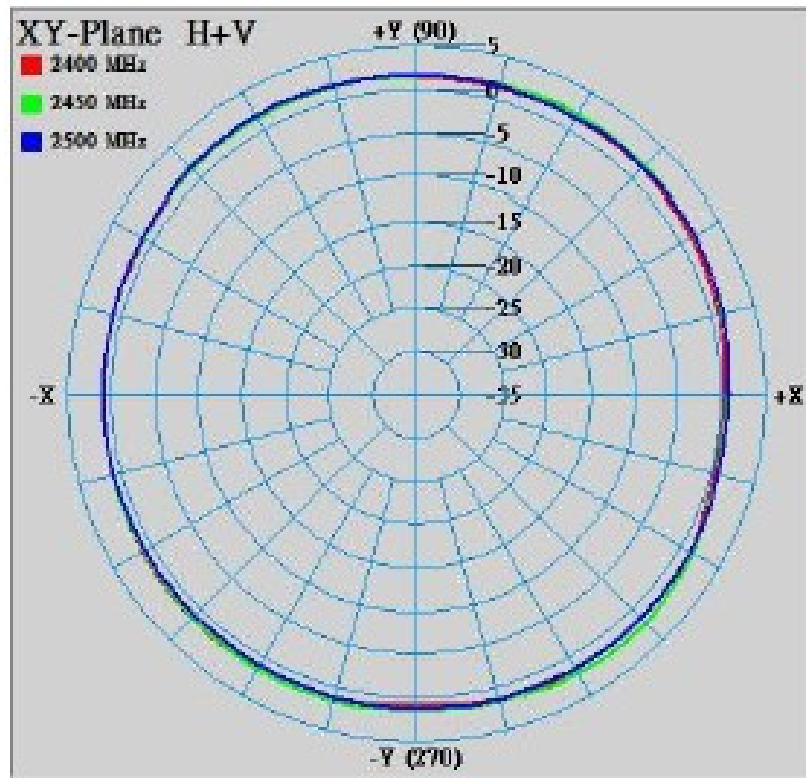
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2400~2500 MHz

X-Y Plane

Theta=90.00deg

Gain . dB



	ZX plane		ZY plane		XY plane	
Frequency [MHz]	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]
2400	1.09	-1.75	1.61	-1.26	2.27	1.31
2450	1.43	-1.72	1.64	-1.12	2.27	1.47
2500	1.05	-1.93	1.57	-1.37	1.81	1.30

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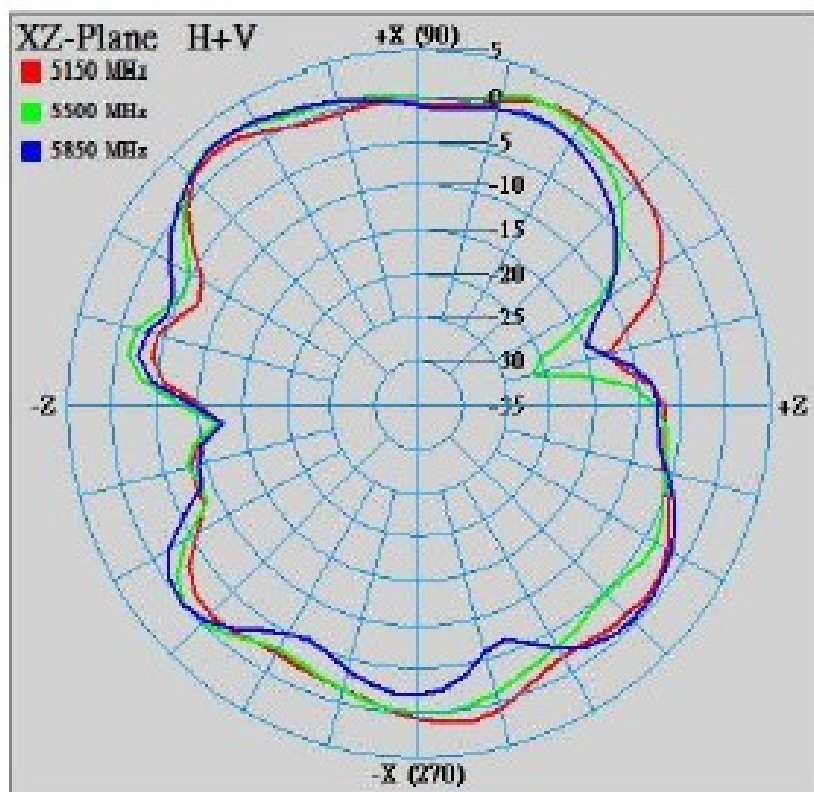
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5150~5850 MHz**X-Z Plane****Phi=0.00deg****Gain . dB**

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 : 邱瑩鈺****CHECKED BY : 詹惠雯****DESIGNED BY : 黃瑞郎****APPROVED BY : 陳振榮**

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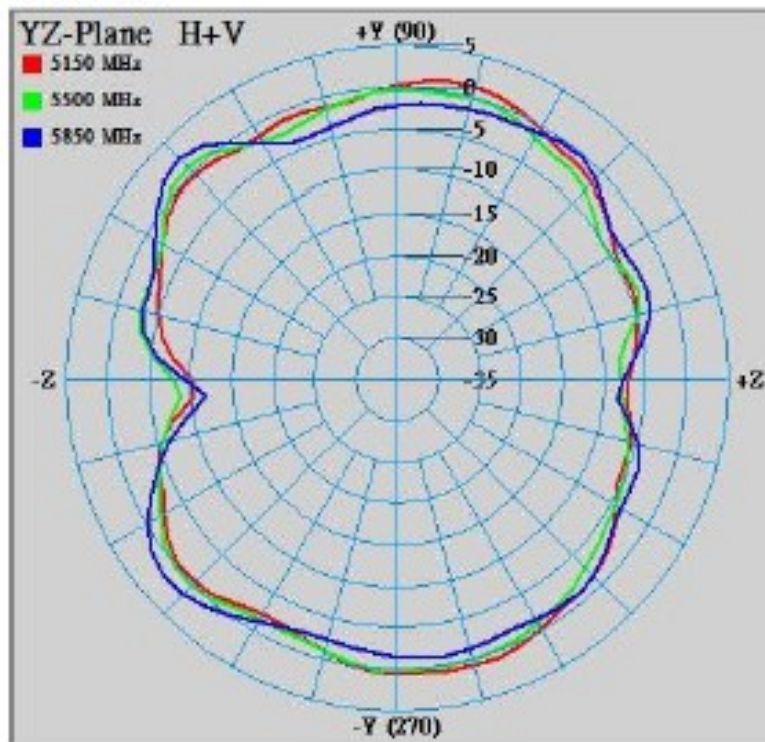
**SPEC REV.
P0**

5150~5850 MHz

Y-Z Plane

Phi=90.00deg

Gain . dB



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



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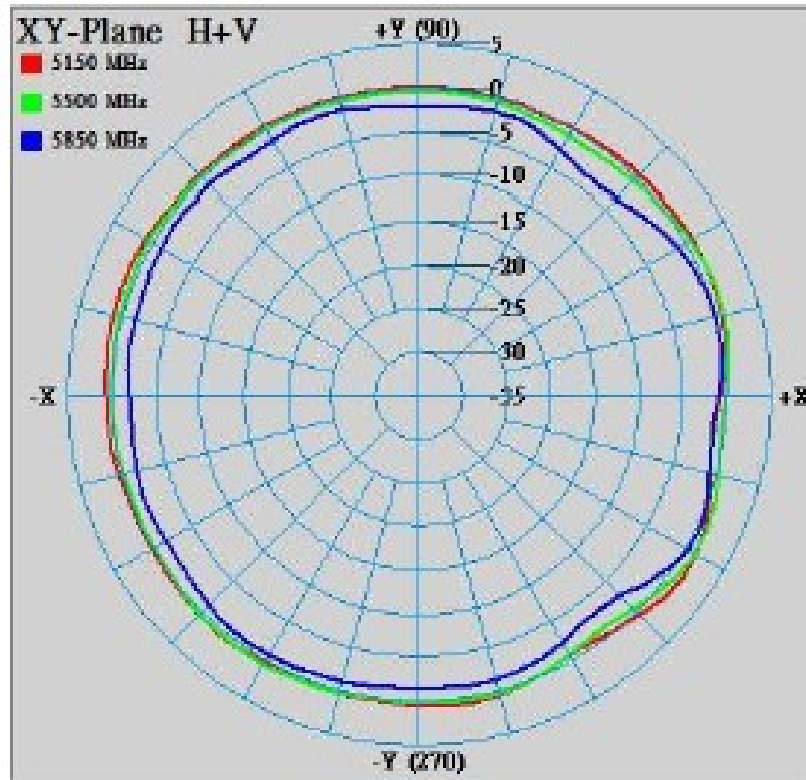
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5150~5850 MHz

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]
5150	2.45	-1.56	1.19	-1.80	1.44	0.35
5500	2.83	-1.78	0.89	-2.03	1.22	0.04
5850	2.62	-2.21	2.21	-1.90	0.33	-1.40

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