

品名：RFDPA121300SMLB802

History List

[illegible]

品名工規_RFDPA121300SMLB802

1. Explanation of part number :

RF	DPA	1213	00	S	M	L	B	8	02
Type Code	Product Code	Dimension (Unit: mm)	Cable Length (unit: cm)	Connector Brand	Type of Connector	Application	Project status	Wire Diameter	Project
RF Device	Dipole Antenna	Per 2 digits of length, width e.g.: 1213 Length 139.82mm, Width ϕ 13mm	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: 2.4/5.2/5.8 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 4:Ø1.13 Low Loss 6:RG316 7:Ø1.37 8:RG178 9:Ø1.37 Low Loss	01~99 series number

2. Electrical Specification :

Item	Specification
Working Frequency Range	2.4~2.5/5.15~5.85 GHz
Gain	1.91 dBi@2.4~2.5 GHz 4.89 dBi@5.15~5.85 GHz
Return Loss	-10 dB(Max)
VSWR	2 max.
Polarization	Linear
Radiation Pattern	Omni-directional
Impedance	50
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 : 李欣樺

CHECKED BY : 詹惠雯

DESIGNED BY : 黃瑞郎

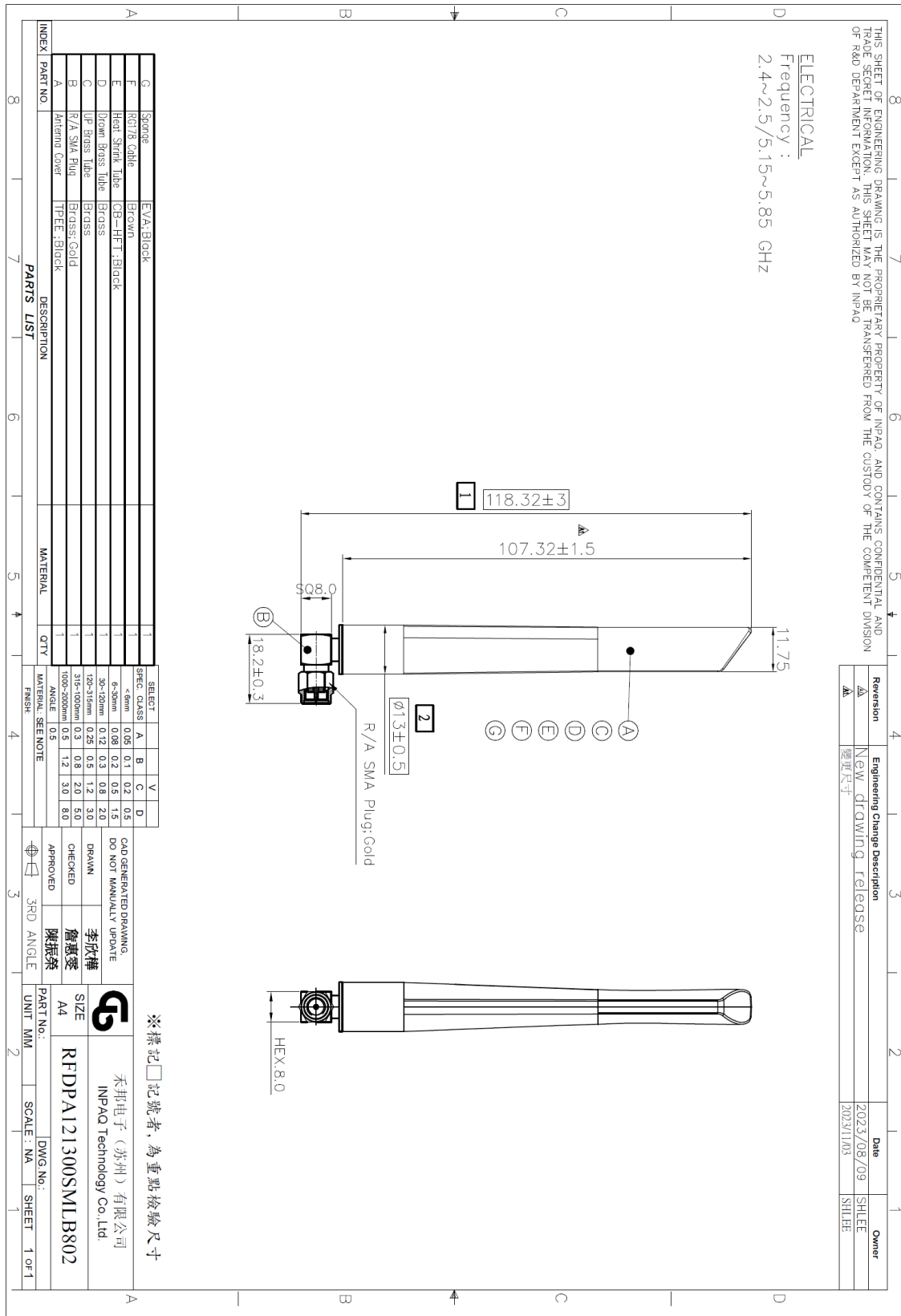
APPROVED BY : 陳振榮

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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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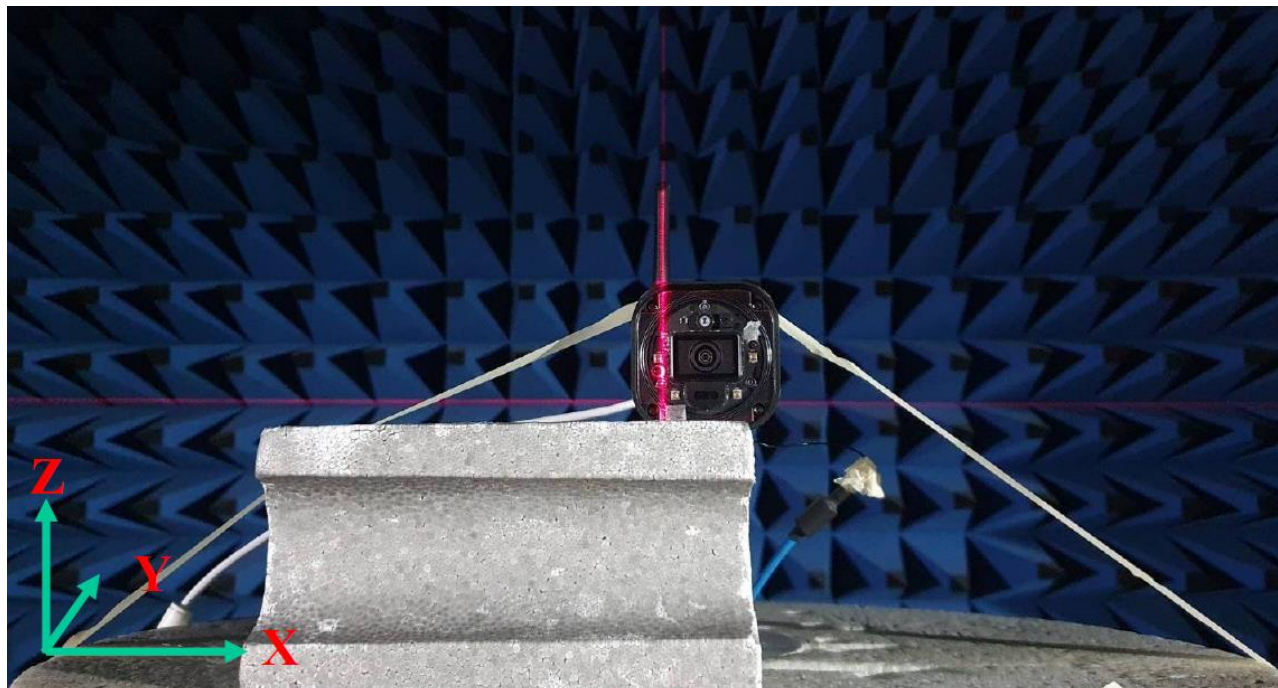
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4. Performance Report :

Test Report

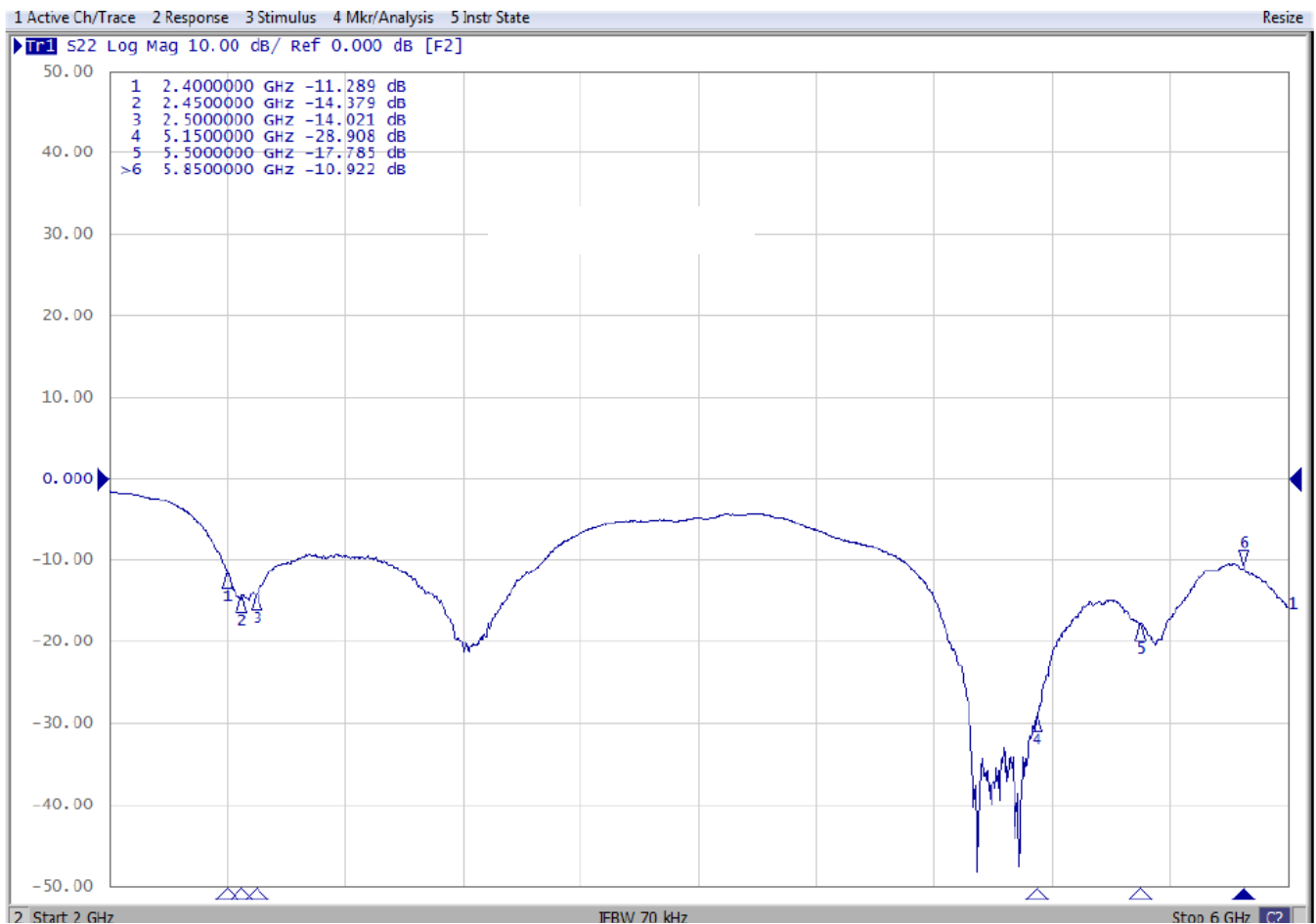
■ Experimental Setup



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ELECTRICAL CHARACTERISTICS

Return Loss



UNLESS OTHER SPECIFIED TOLERANCES ON :
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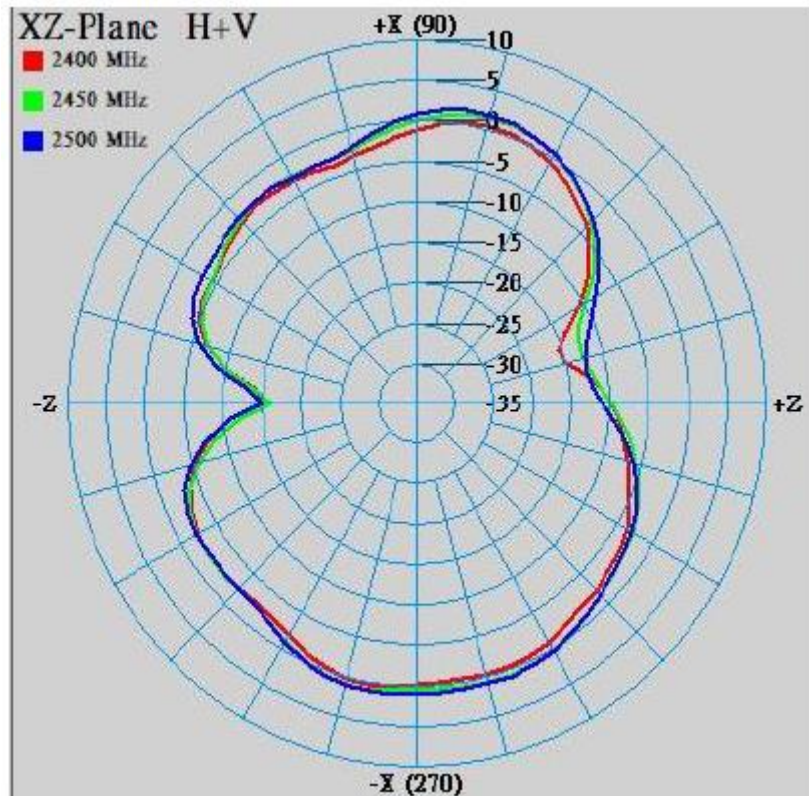
RADIATION PATTERN

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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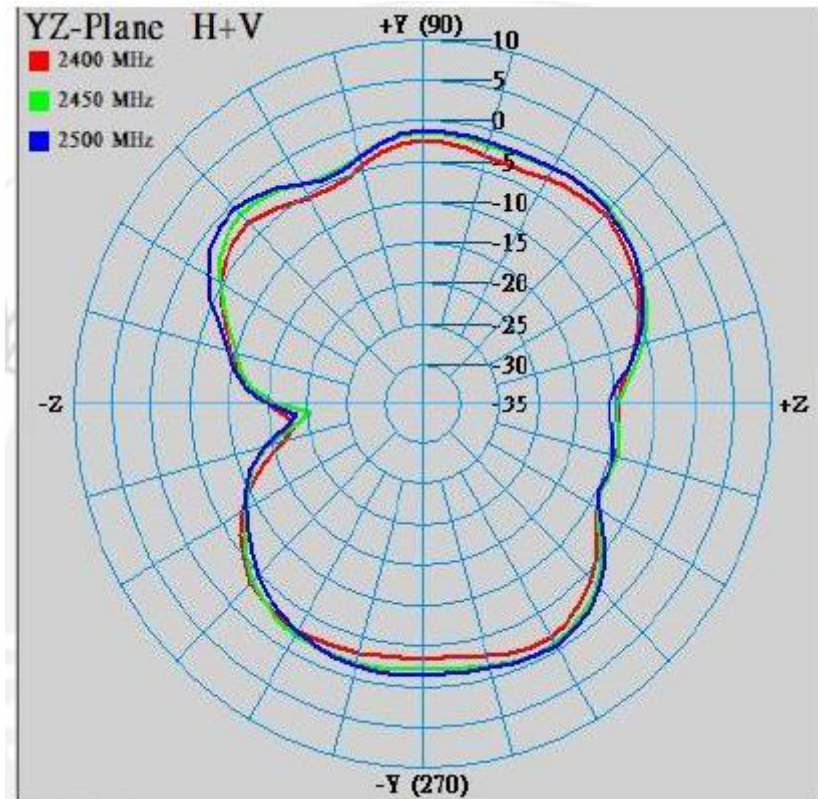
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Y-Z Plane
Phi=90.00deg

Gain . dB



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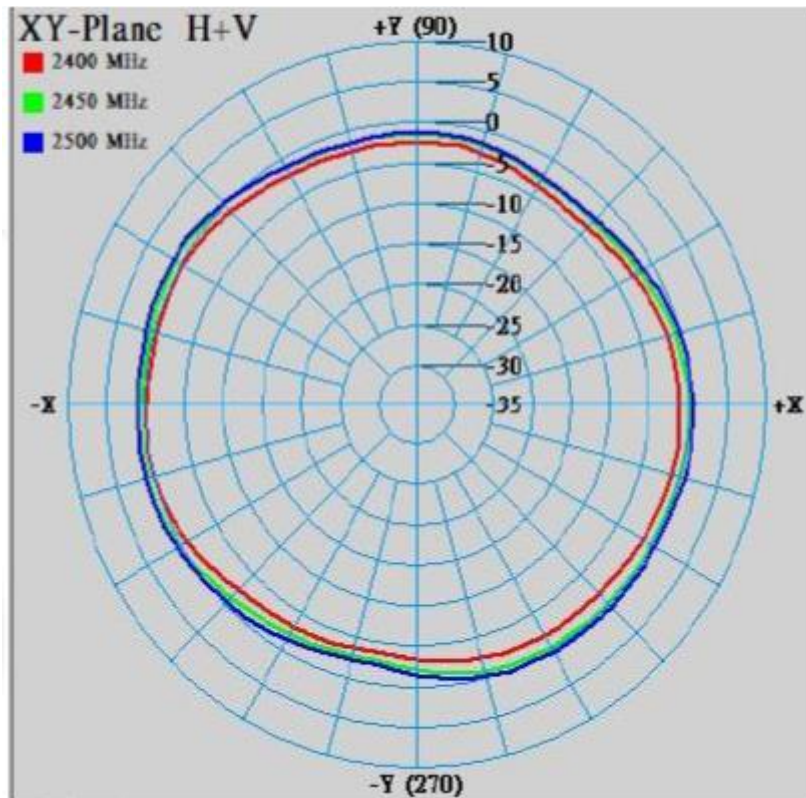
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X-Y Plane Theta=90.00deg

Gain . dB



Frequency [MHz]	ZX plane		ZY plane		XY plane	
	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]
2400	0.59	-2.81	-1.67	-4.49	0.10	-1.75
2450	1.59	-2.01	-0.70	-3.51	0.93	-0.64
2500	1.91	-1.79	-0.56	-3.32	1.32	-0.15

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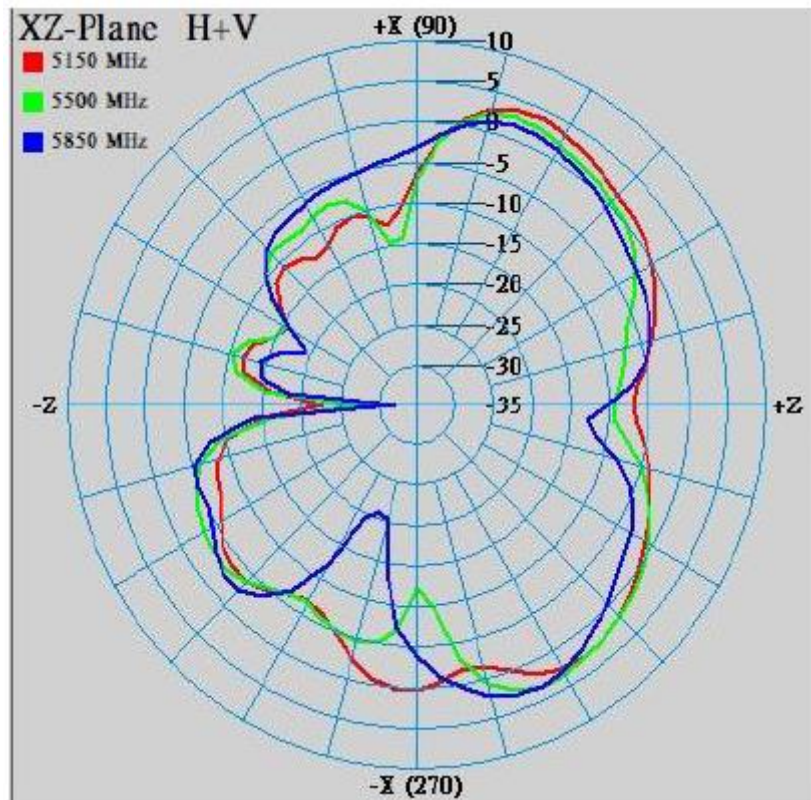
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5150~5850 MHz**X-Z Plane**
Phi=0.00deg**Gain . dB**

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ANGLES = N/A HOLEDIA = N/A

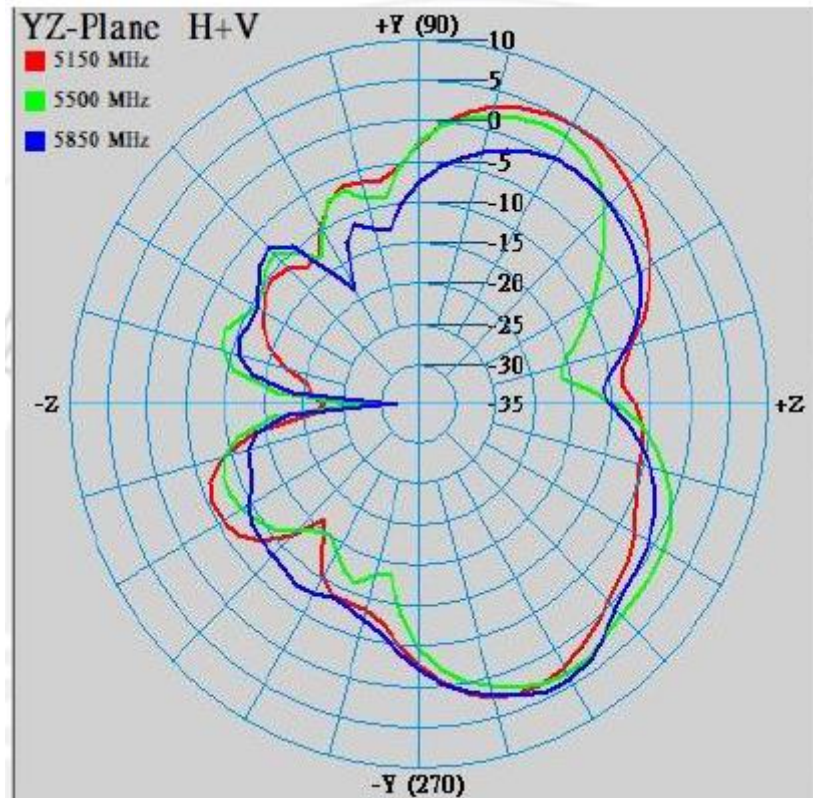
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Y-Z Plane
Phi=90.00deg

Gain . dB



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



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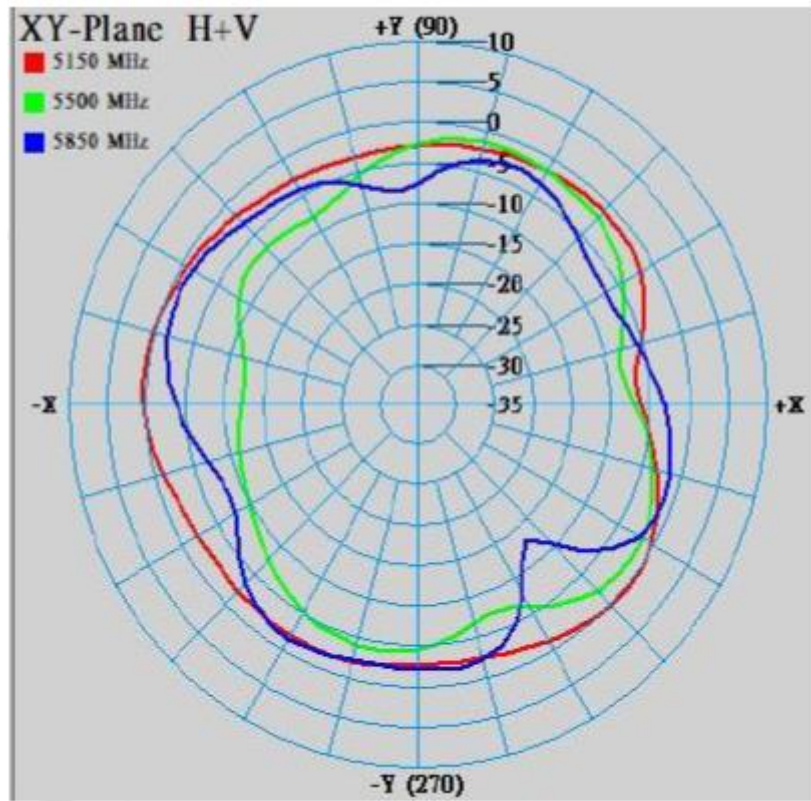
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X-Y Plane Theta=90.00deg

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]
5150	4.02	-1.78	4.89	-1.66	0.49	-1.70
5500	3.55	-2.31	3.44	-2.43	-1.25	-4.87
5850	3.42	-2.67	4.30	-2.92	-0.97	-3.72

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ANGLES = N/A HOLEDIA = N/A



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