

APPROVAL SHEET

Dipole ANTENNA

5150 ~ 7125 MHz Working Frequency

Halogens Free Product

P/N: RFDPA191300SM5B802

Customer :

Customer 's Part No. :

Production : Antenna

Address : No.11, Ke-yi St., Zhunan Township, Miaoli County, Taiwan

品名：**RFDPA191300SM5B802**

History List

[illegible]

品名：RFDPA191300SM5B802

1. Electrical Specification：

Item	Specification
Working Frequency Range	5150 ~ 7125 MHz
Return Loss	-10 dB
Peak Gain	2.97 dBi(@5150 ~ 5850 MHz) 2.36 dBi(@5950 ~ 7125 MHz)
VSWR	2 max.
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 : 劉采璇

CHECKED BY : 詹惠雯

DESIGNED BY : 林育帆

APPROVED BY : 陳振榮

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NO.

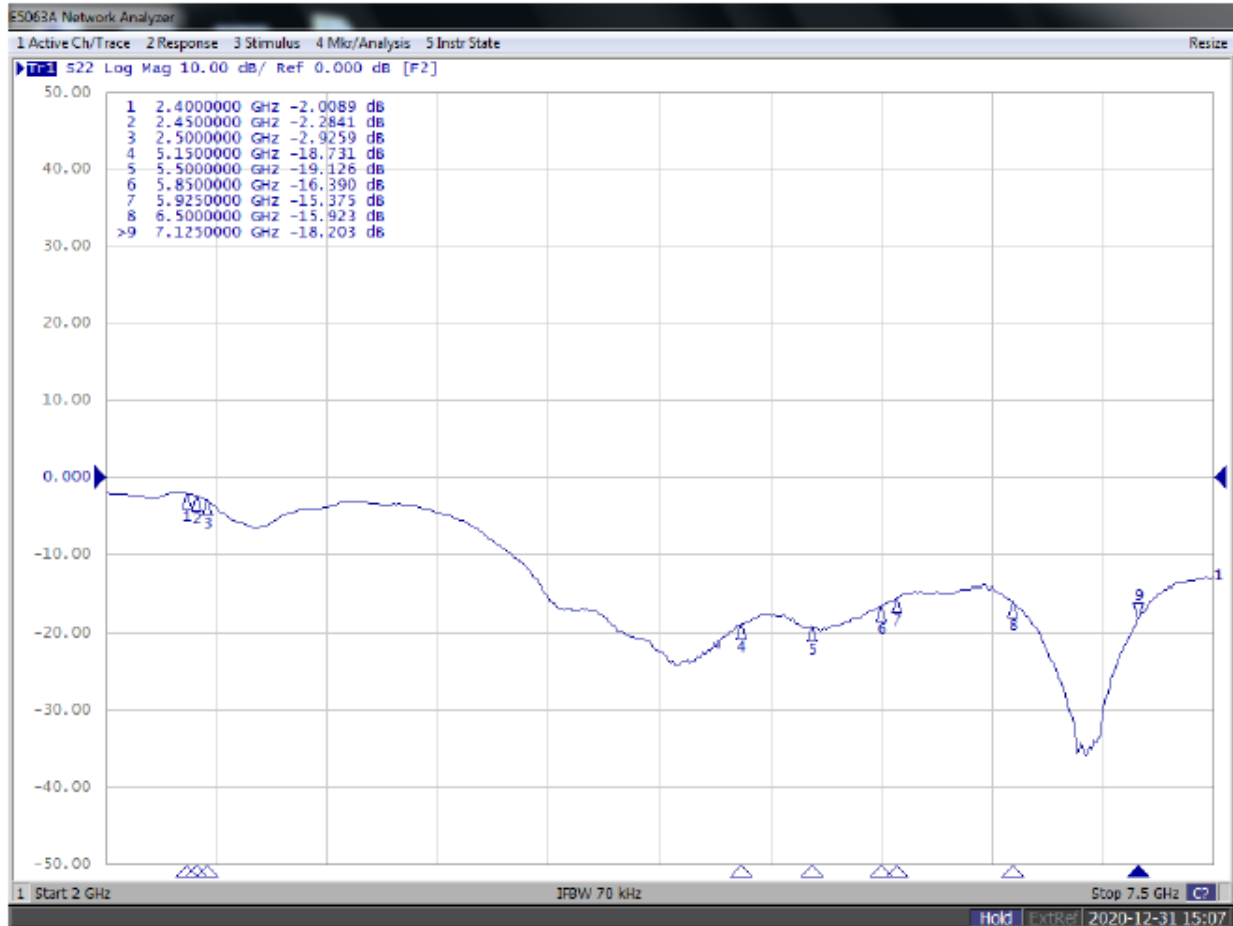
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2. Performance Report :

ELECTRICAL CHARACTERISTICS

Return Loss



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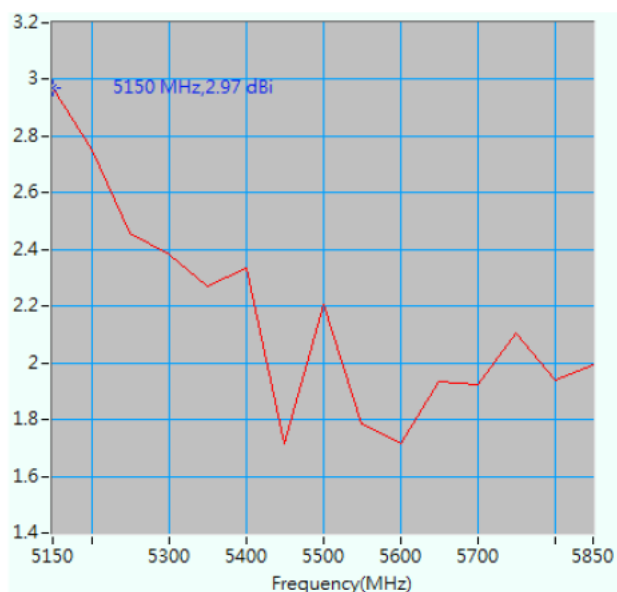
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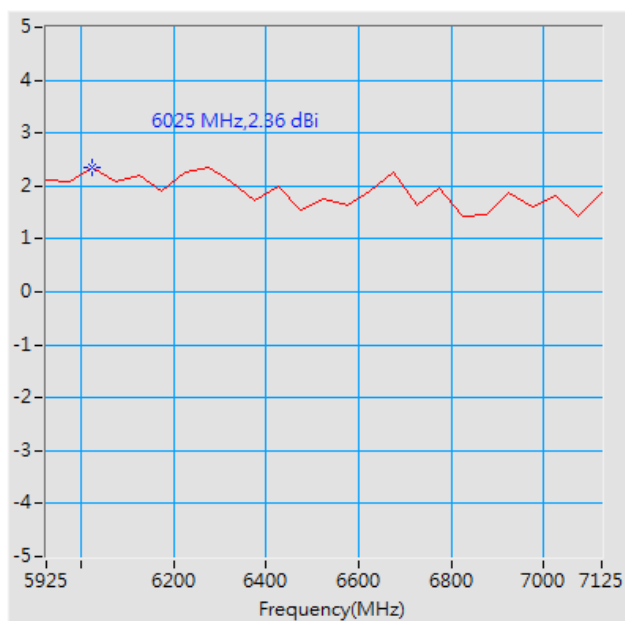
■ Peak Gain

1913_Single_5G



Maximum Peak Gain at 5150 MHz : 2.97 dBi

1913_Single_6G



Maximum Peak Gain at 6025 MHz : 2.36 dBi

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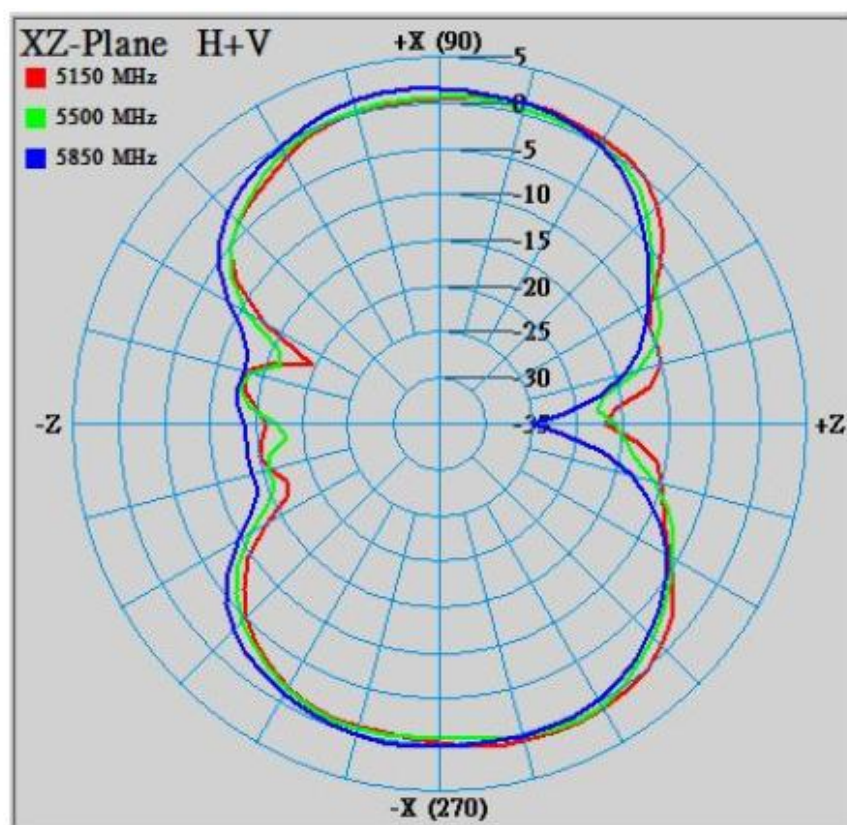
Radiation Patterns

5150~5850 MHz

X-Z Plane

Phi=0.00deg

Gain . dB



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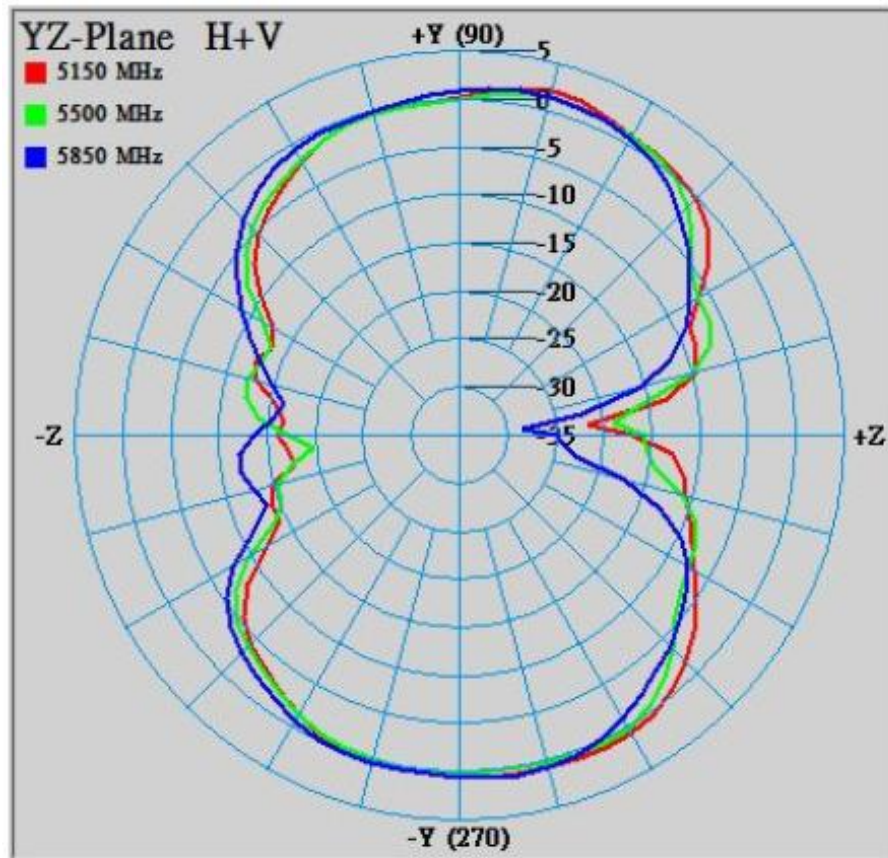
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Y-Z Plane

Phi=90.00deg

Gain . dB



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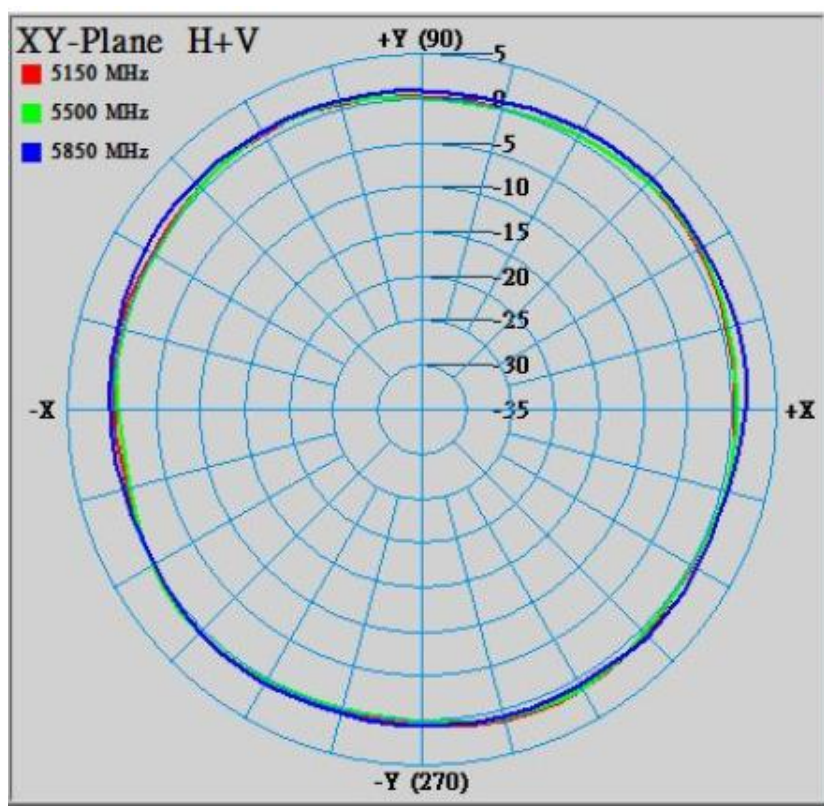
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X-Y Plane

Theta=90.00deg

Gain . dB



	ZX plane		ZY plane		XY plane	
Frequency [MHz]	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]
5150	1.27	-2.56	2.12	-2.42	1.31	0.44
5500	0.70	-2.81	1.39	-2.76	1.34	0.37
5850	1.61	-2.42	1.36	-2.56	1.88	0.86

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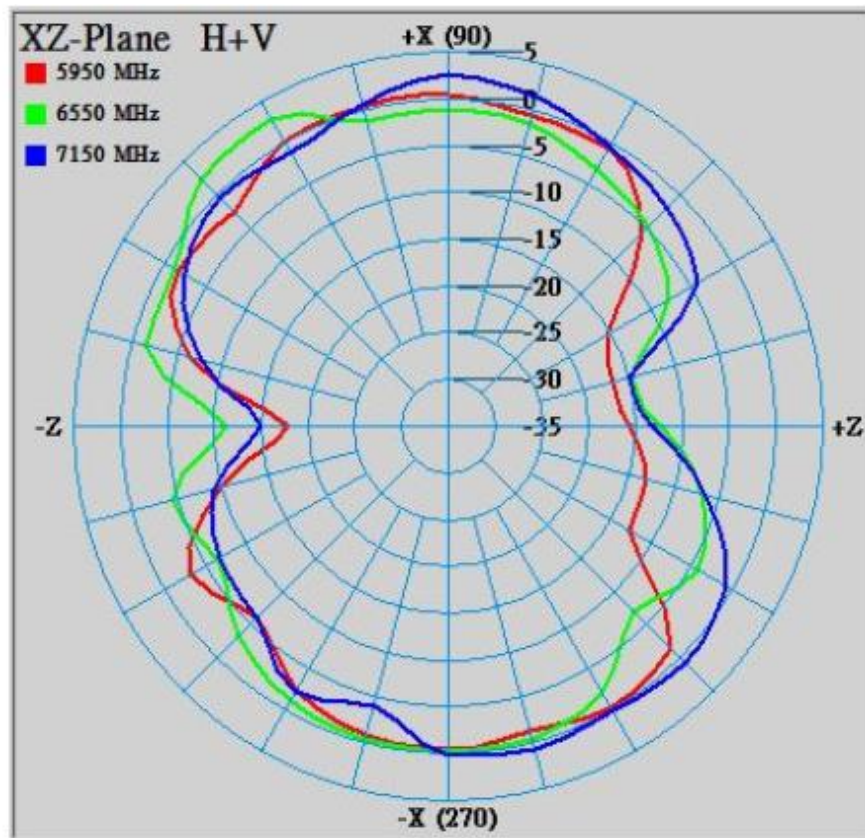
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5950~7125 MHz**X-Z Plane****Phi=0.00deg****Gain . dB**

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ANGLES = N/A HOLEDIA = N/A

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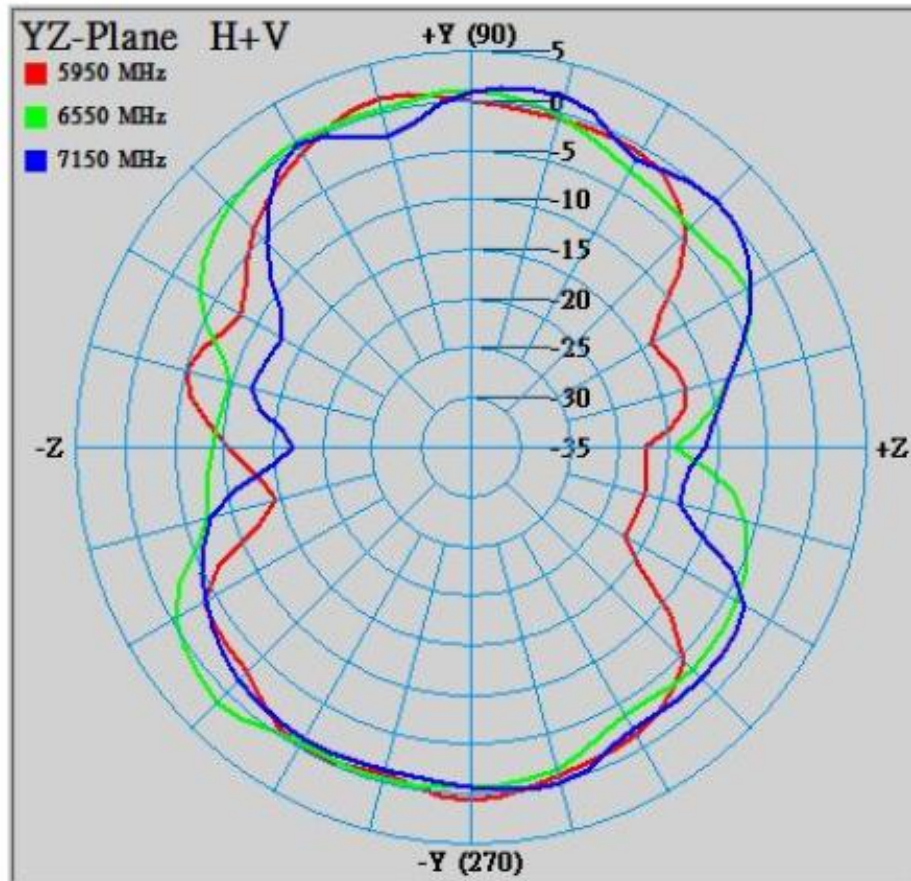
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Y-Z Plane

Phi=90.00deg

Gain . dB



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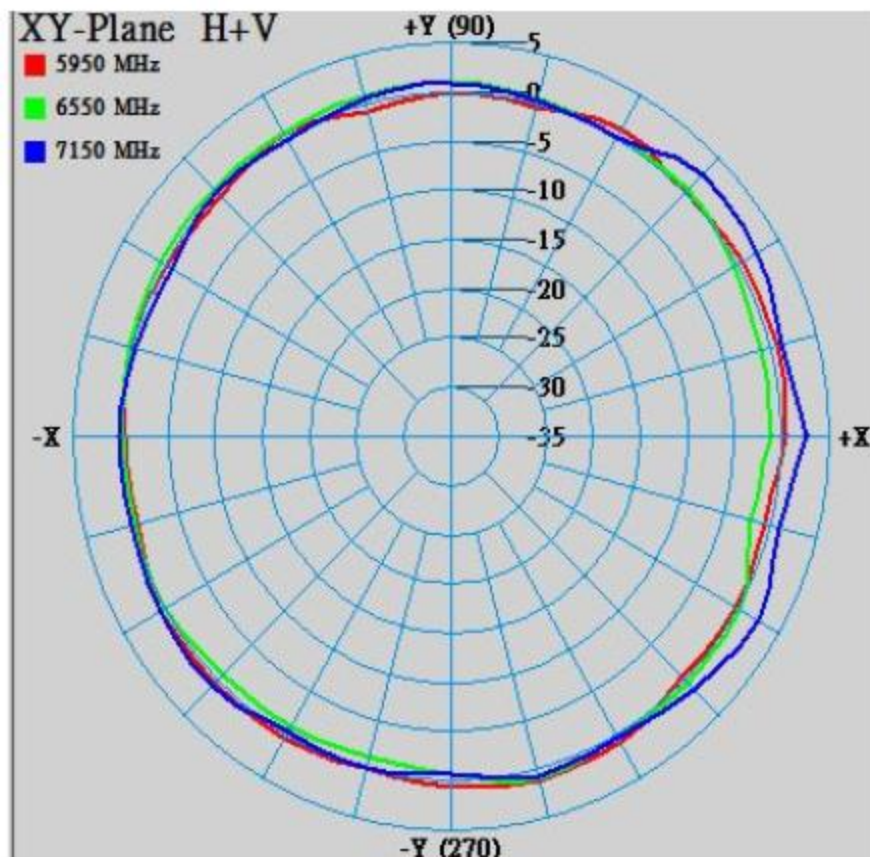
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X-Y Plane

Theta=90.00deg

Gain . dB



Frequency [MHz]	ZX plane		ZY plane		XY plane	
	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]
5925	-0.76	-4.1	0.21	-4.13	-0.08	-1.05
6525	1.61	-3.46	0.03	-3.27	-0.13	-1.26
7125	1.29	-3.07	0.54	-3.61	1.35	-0.46

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