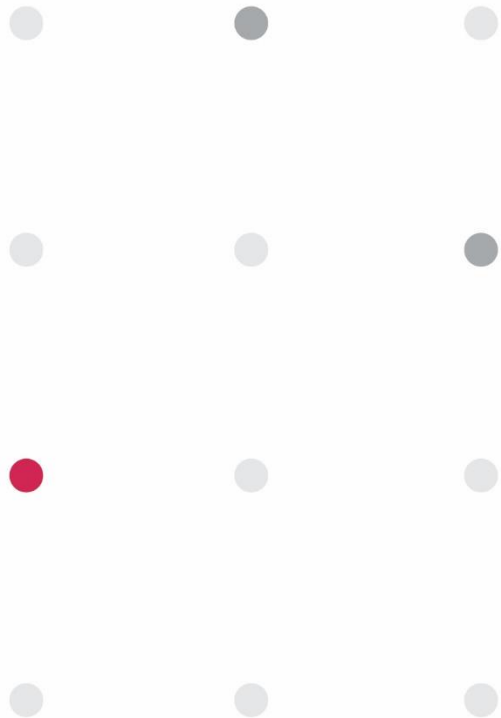


PSA

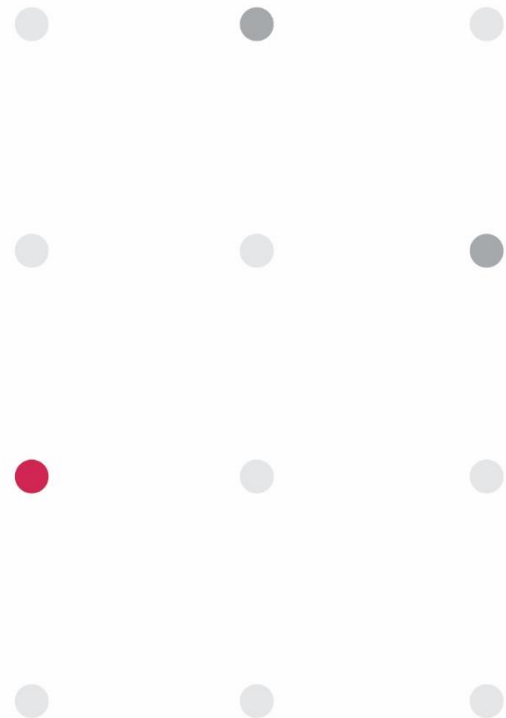
佳邦科技股份有限公司

INPAQ TECHNOLOGY CO., LTD.



PSA

PASSIVE SYSTEM ALLIANCE
INPAQ TECHNOLOGY CO., LTD.





光寶- WB312L

Presented by

Ethan

2024/ 12/ 16

Version	Date	Description	Author
V01	2024/12/16	New Release	Ethan

OUTLINE

1.Measurement Information

1.1 Experimental Setup

1.2 Antenna Solution Detail

2.Antenna Characteristics

2.1 S-Parameter

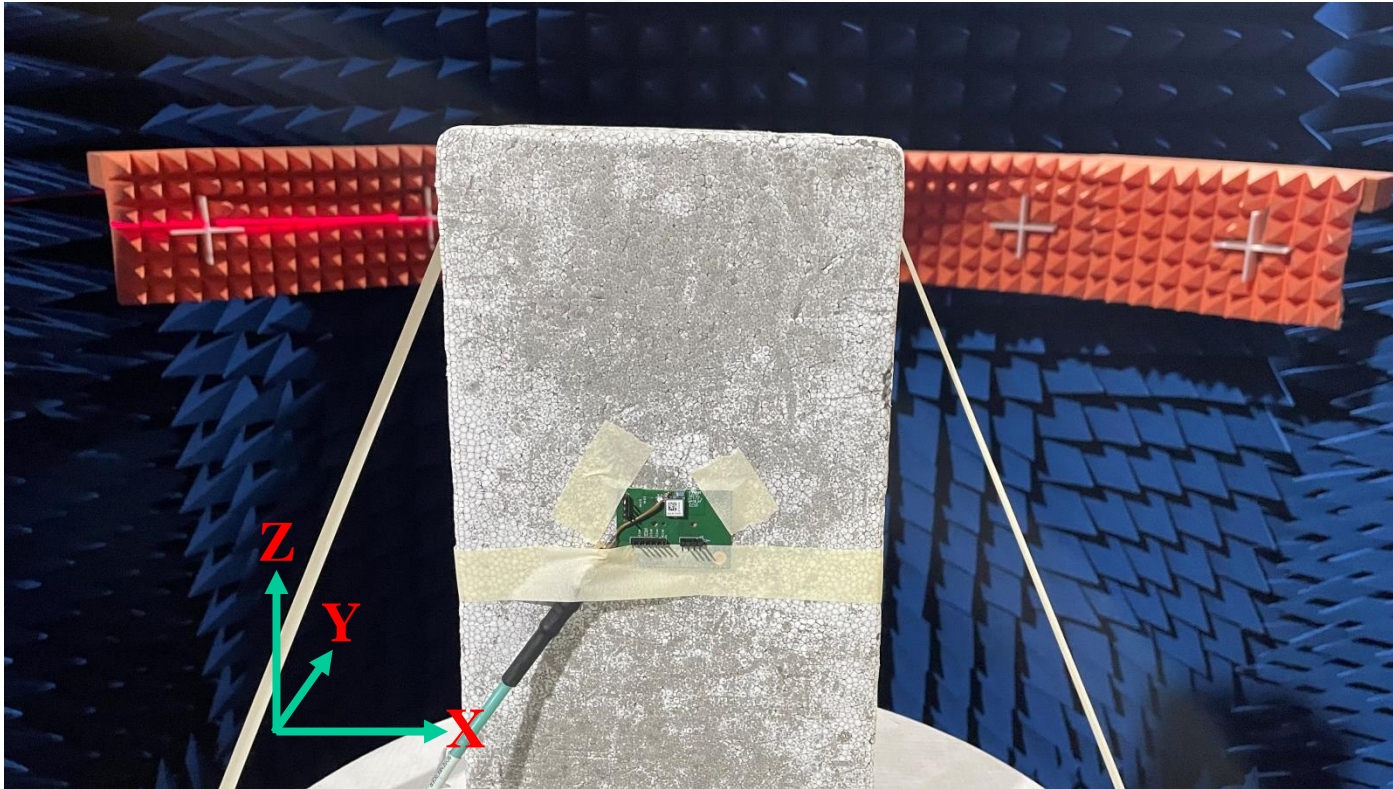
2.2 Antenna Efficiency and Peak Gain

2.3 2D Radiation Patterns

3.Summary

1.Measurement Information

1.1 Experimental Setup



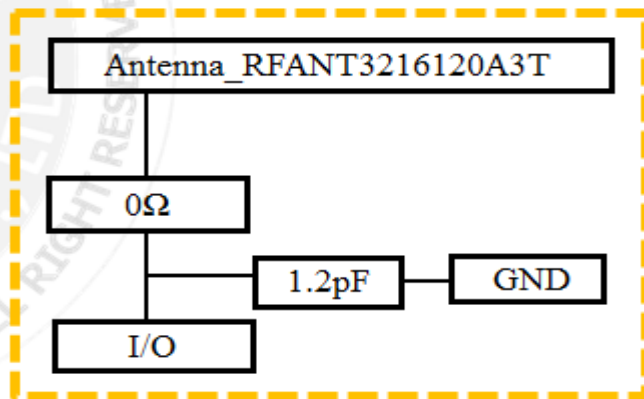
1.Measurement Information

1.2 Antenna Solution Detail



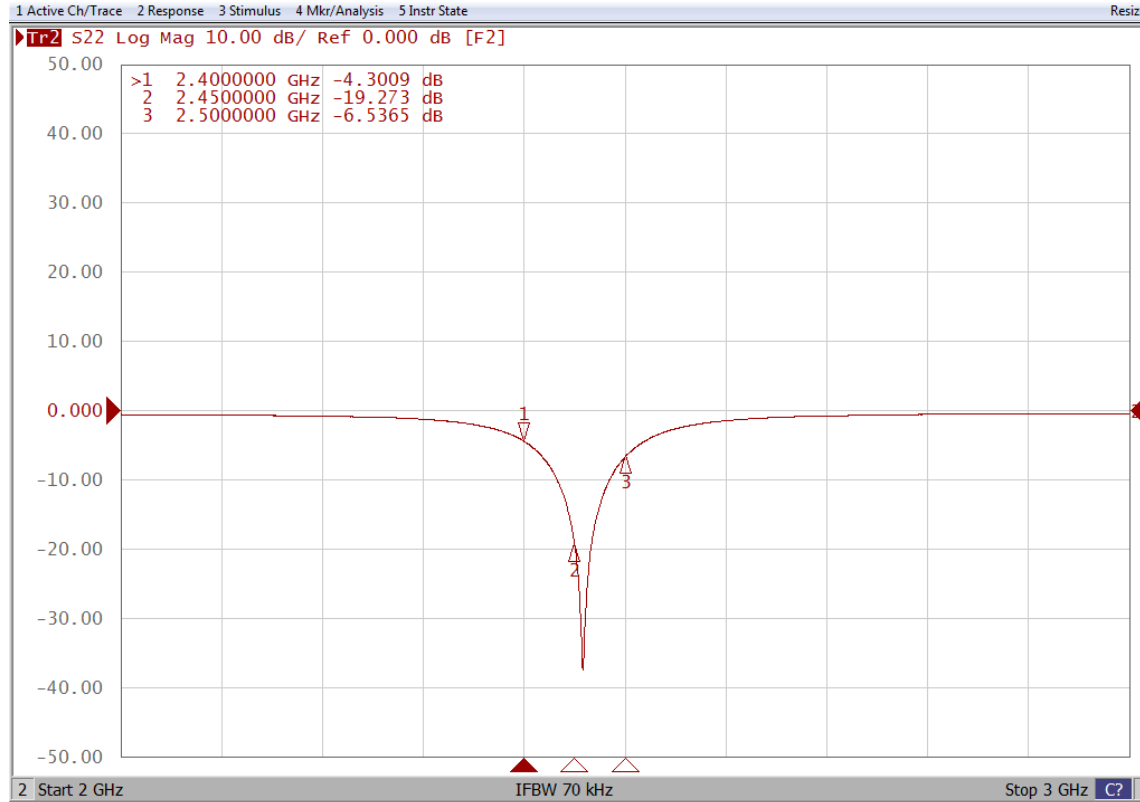
	對應料號
0Ω	WR02X000PTL
1.2 pF	RF03N1R2B500CT

Matching values



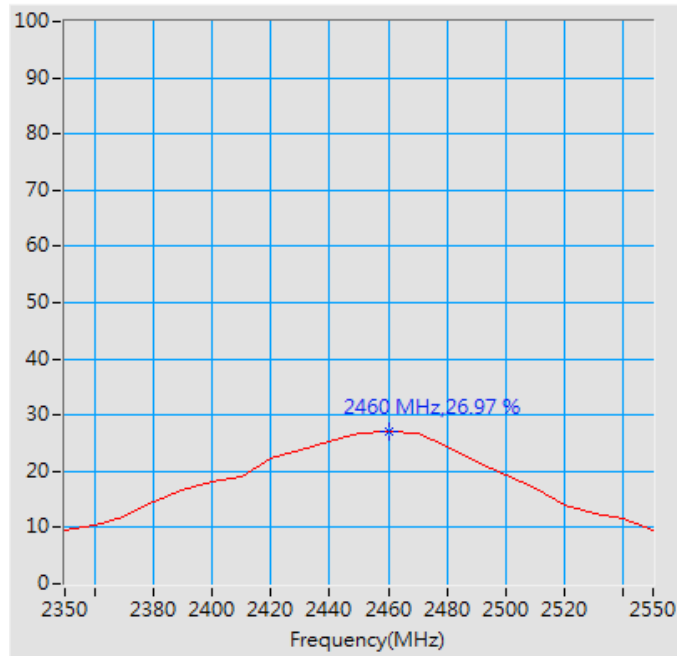
2. Antenna Characteristics

2.1 S-Parameter

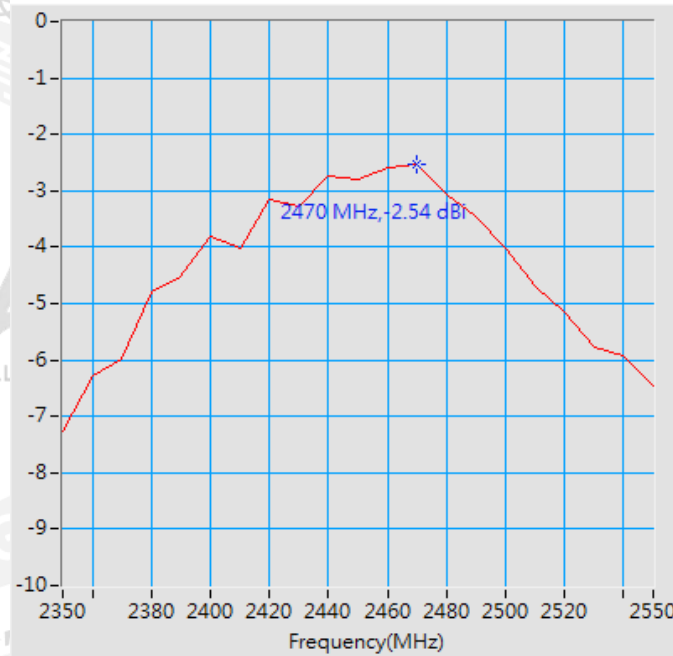


2. Antenna Characteristics

2.2 Antenna Efficiency and Peak Gain



Maximum Efficiency at 2460 MHz : 26.9 %



Maximum Peak Gain at 2470 MHz : -2.54 dBi

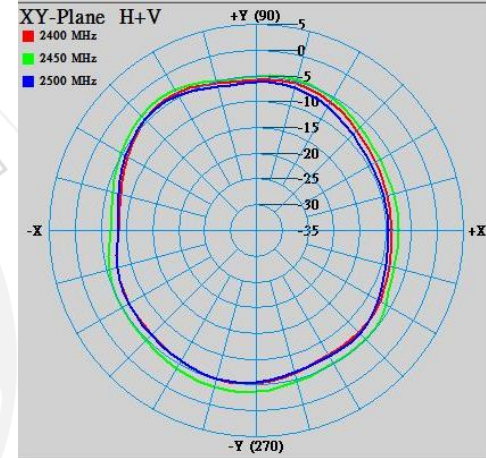
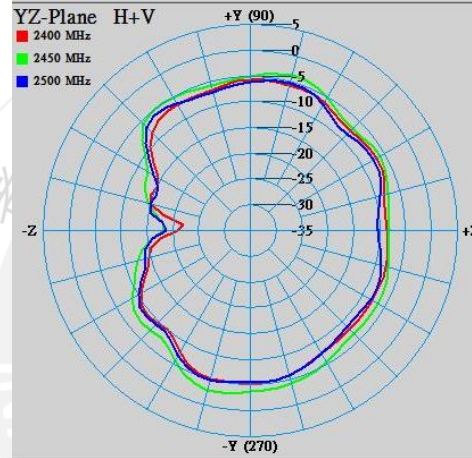
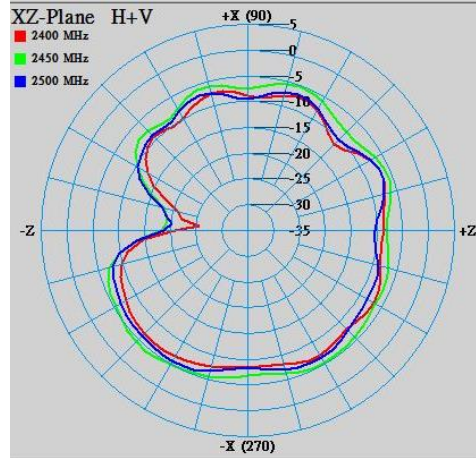
2. Antenna Characteristics

2.2 Antenna Efficiency and Peak Gain

	RFANT3216120A3T	
Frequency (MHz)	Efficiency (%)	Peak gain (dBi)
2400	19.0	-3.80
2450	26.6	-2.80
2500	19.2	-4.02

2. Antenna Characteristics

2.3 2D Radiation Patterns

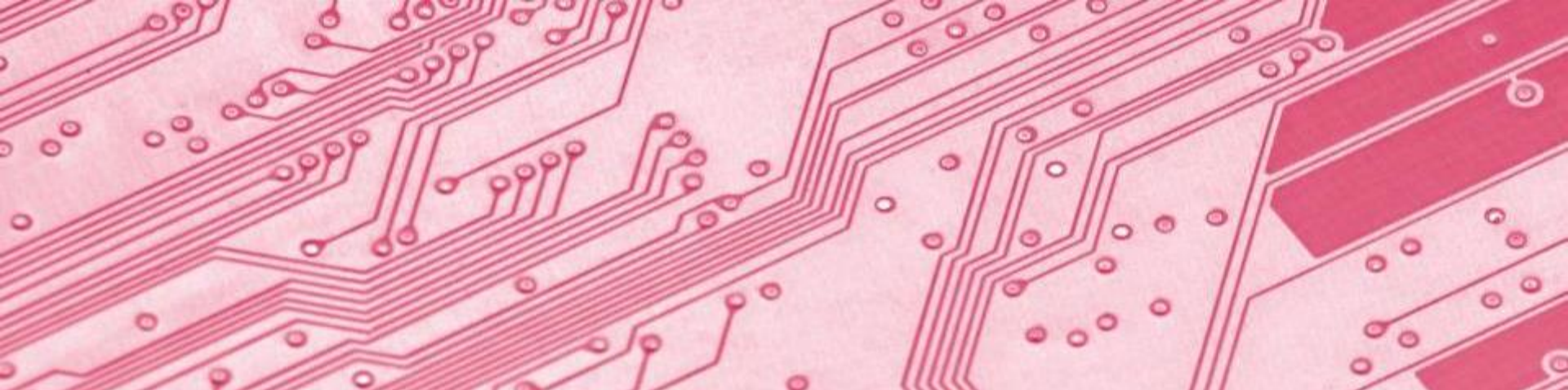


	ZX plane		ZY plane		XY plane	
Frequency [MHz]	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]
2400	-6.48	-8.55	-5.25	-7.78	-4.11	-6.52
2450	-4.33	-6.79	-2.91	-6.37	-3.30	-5.22
2500	-5.76	-8.12	-4.98	-7.89	-4.40	-6.77

3.Summary

- 測試數據僅為模擬機構環境, 須以實際應用為主.
- The performance of antennas is shown in table
- Antenna Type: Chip Antenna
- Antenna Dimension: 3.2x1.6x1.2mm

	RFANT3216120A3T
Maximum Efficiency (%)	26.9
Maximum Gain (dBi)	-2.54



Title for Image (above image could be replaced)

Content Details

PASSIVE SYSTEM ALLIANCE
INPAQ TECHNOLOGY CO., LTD.

Thank you

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