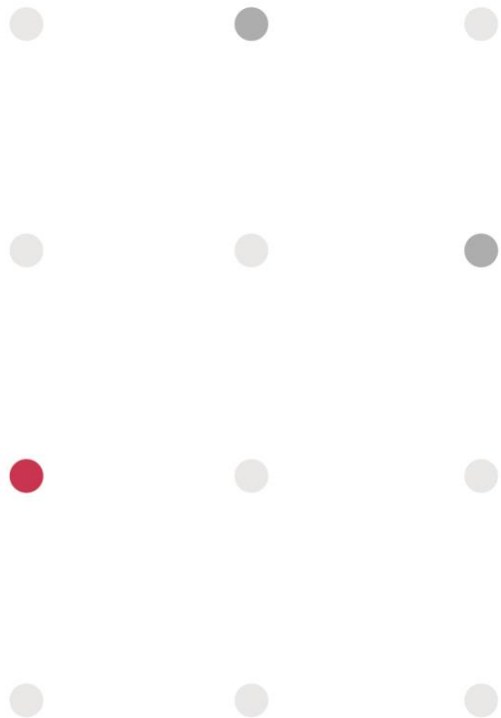


PSA

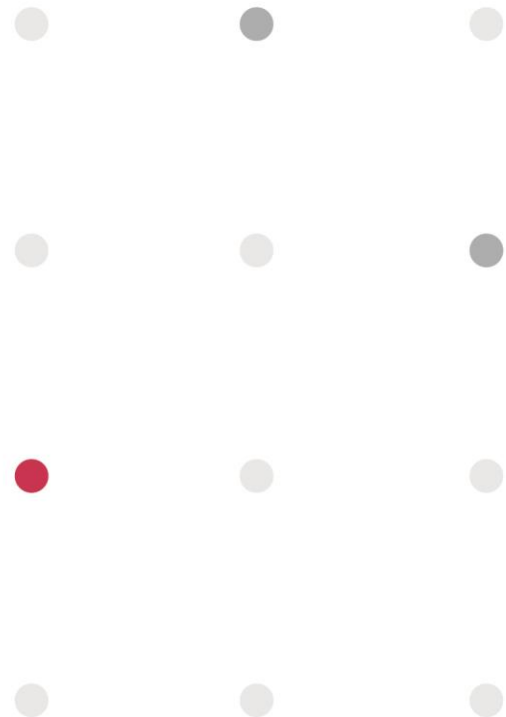
佳邦科技股份有限公司

INPAQ TECHNOLOGY CO., LTD.



PSA

PASSIVE SYSTEM ALLIANCE
INPAQ TECHNOLOGY CO., LTD.



高新兴-GT117

Presented by

Junny

2024/ 02/ 05



Version	Date	Description	Author
V01	2024/02/05	New Release	Junny

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 3 views of antenna & 2D Radiation Patterns

3. Summary

1. Measurement Information

1.1 Experimental Setup



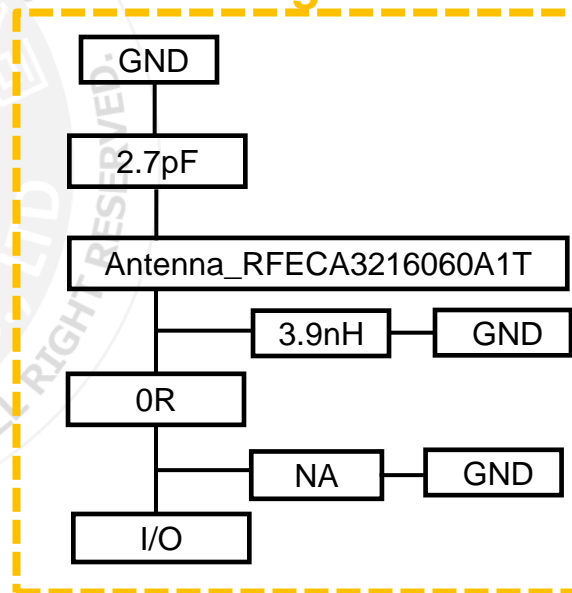
1. Measurement Information

1.2 Antenna Solution Detail



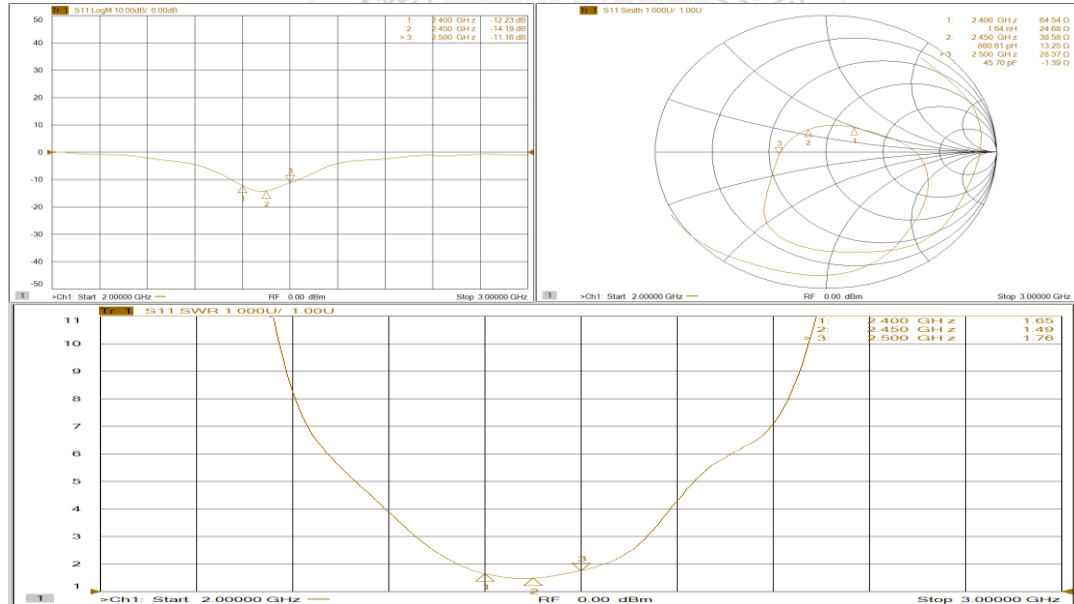
	對應料號
3.9nH	WLCM0603Z0B3N9TB
0 ohm	WR04X000PTL
2.7 pF	RF15N2R7A500CTNA

Matching values



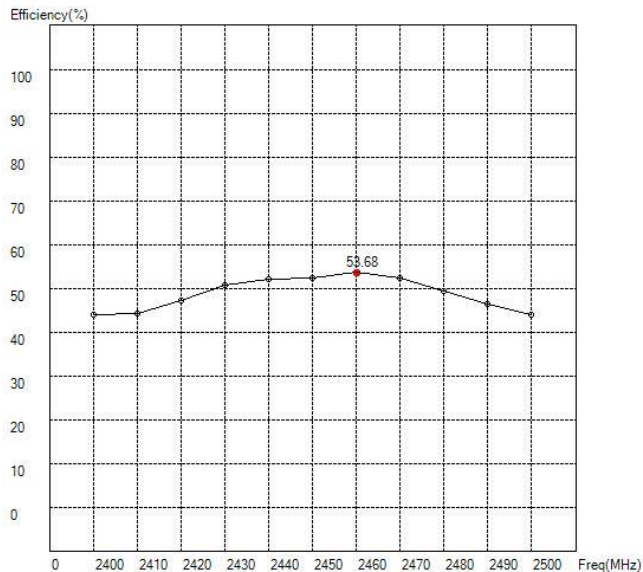
2. Antenna Characteristics

2.1 S-Parameter



2. Antenna Characteristics

2.2 Antenna Efficiency and Peak Gain



Maximum Efficiency at 2460MHz : 53.68%



Maximum Peak Gain at 2460MHz : 2.73dBi

2. Antenna Characteristics

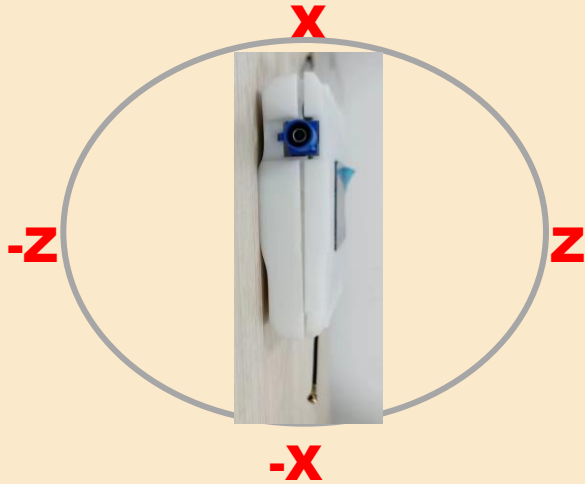
2.2 Antenna Efficiency and Peak Gain

	ANT	
Frequency (GHz)	Efficiency (%)	Peak gain (dBi)
2.4	44.02	1.08
2.45	52.33	2.63
2.5	44.13	1.83

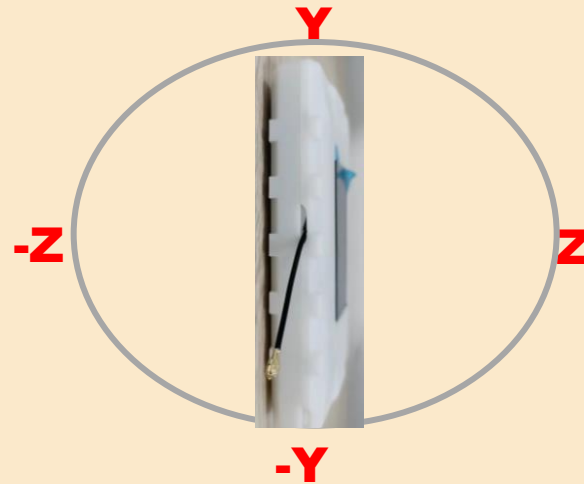
2. Antenna Characteristics

2.3 3 views of antenna

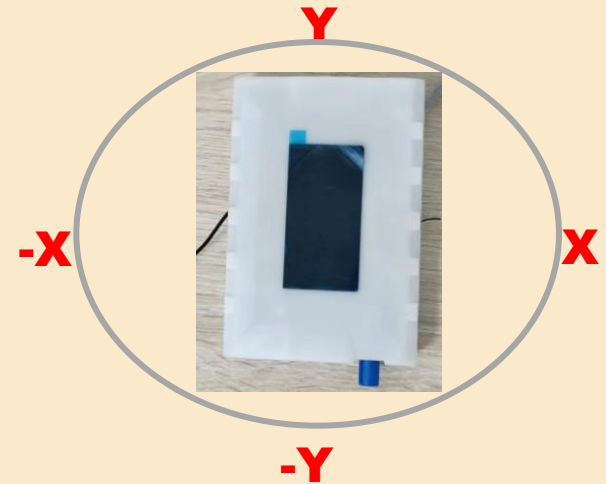
X-Z plane



Y-Z plane

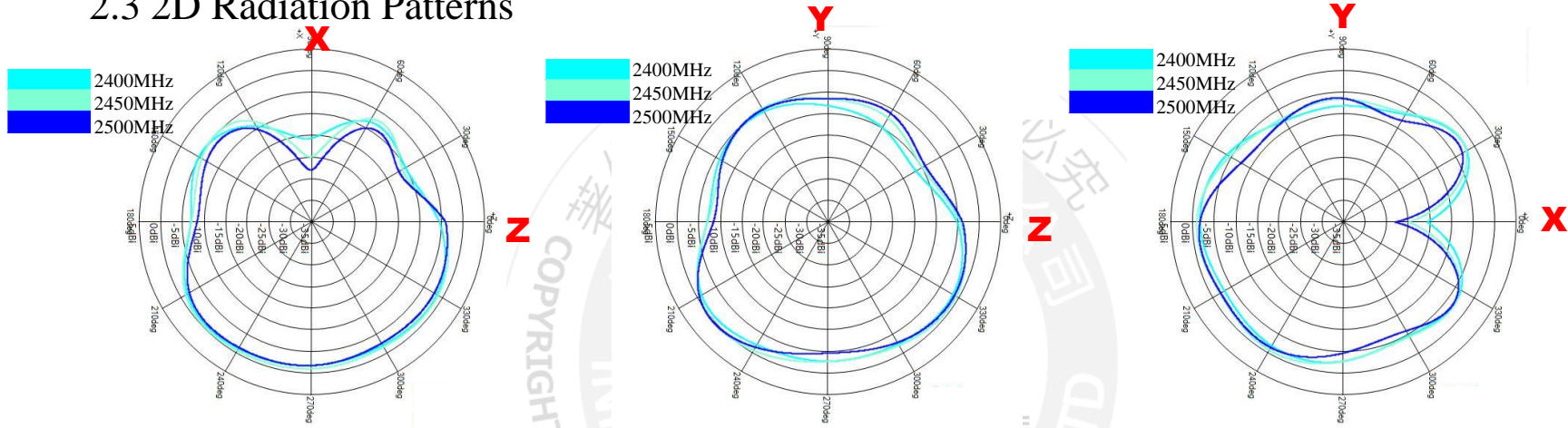


X-Y plane



2. Antenna Characteristics

2.3 2D Radiation Patterns

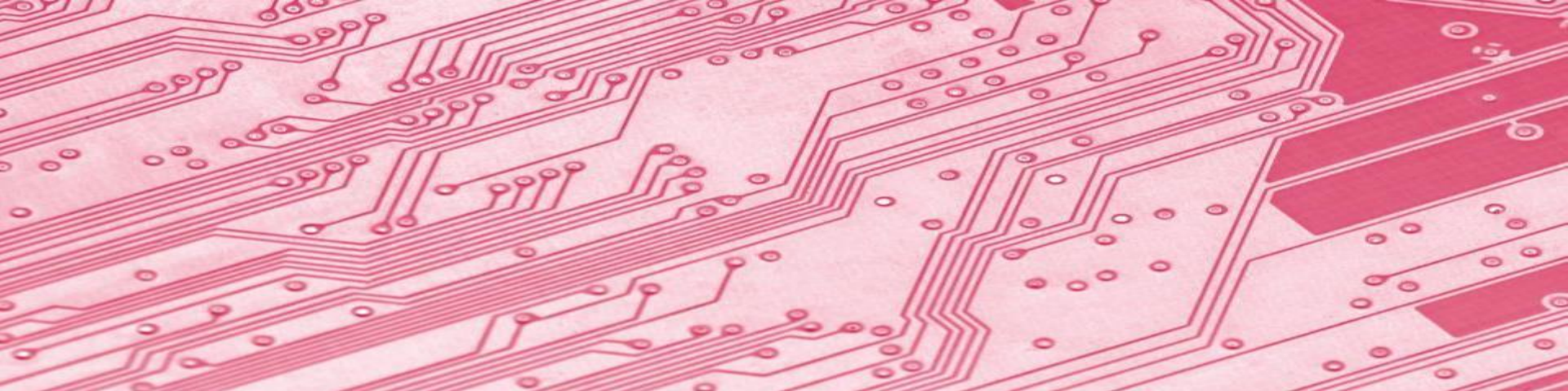


	ZX plane		ZY plane		XY plane	
Frequency [MHz]	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]
2400	-1.20	-3.97	-1.24	-3.95	-1.82	-4.03
2450	-0.63	-3.35	-0.63	-3.13	-0.78	-3.62
2500	-1.44	-4.16	-0.62	-3.42	-1.45	-4.57

3. Summary

- The performance of antennas is shown in table

	ANT
Maximum Efficiency (%)	53.68
Maximum Gain (dBi)	2.73



Title for Image (above image could be replaced)

Content Details

PASSIVE SYSTEM ALLIANCE
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Thank you

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