

PSA

佳邦科技股份有限公司

INPAQ TECHNOLOGY CO., LTD.

No. 11, Ke Yi Street, 11th Neighborhood, Gong Yi Village, Zhounan Town, Miaoli County 350402

PSA

PASSIVE SYSTEM ALLIANCE
INPAQ TECHNOLOGY CO., LTD.

卡卓-F8316

Presented by

Junny

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V01	2024/07/22	New Release	Junny

OUTLINE

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2. Antenna Characteristics

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1. Measurement Information

1.1 Experimental Setup



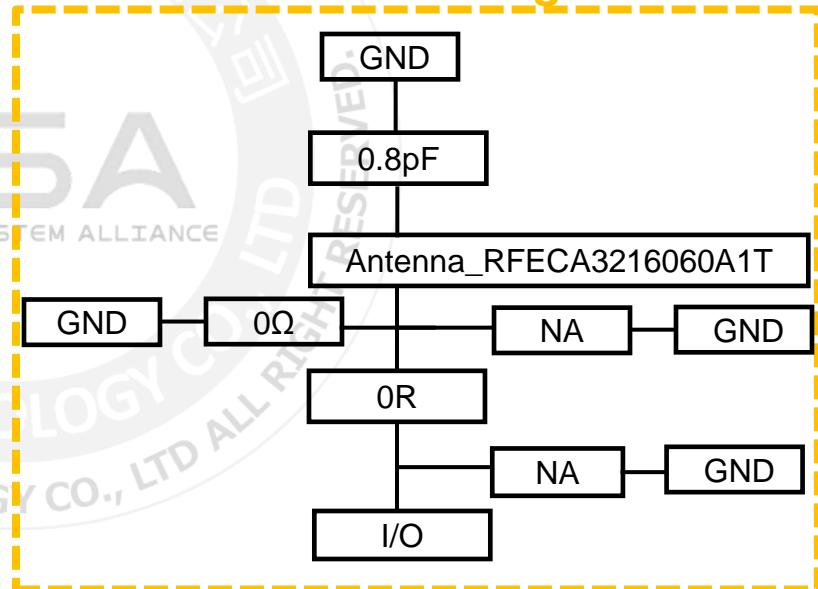
1. Measurement Information

1.2 Antenna Solution Detail



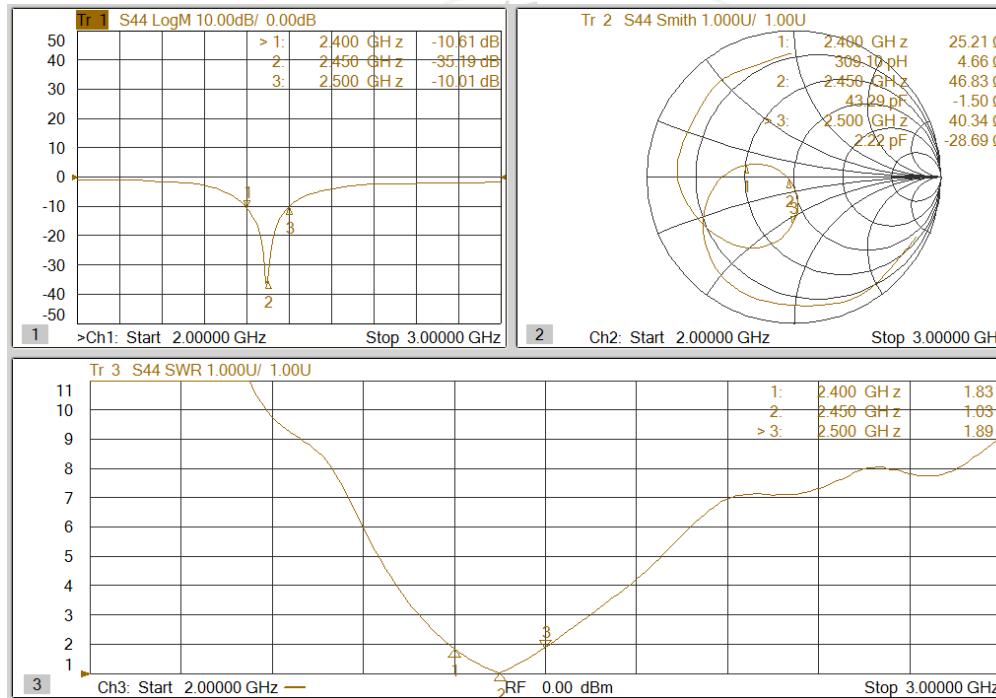
	對應料號
0 ohm	WR04X000PTL
0.8 pF	RF15N0R8A500CTNA

Matching values



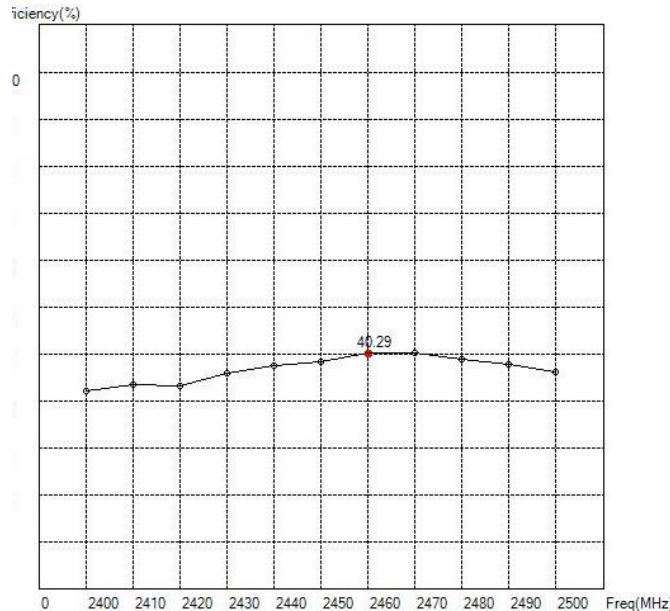
2. Antenna Characteristics

2.1 S-Parameter

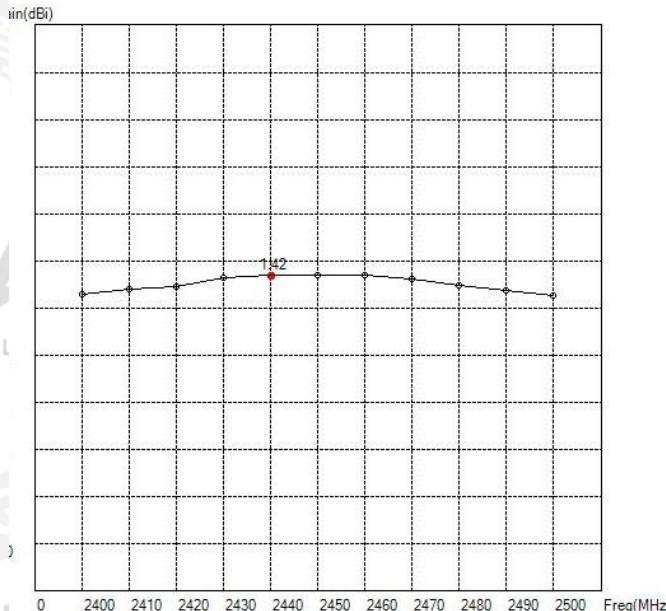


2. Antenna Characteristics

2.2 Antenna Efficiency and Peak Gain



Maximum Efficiency at 2460MHz : 40.29 %



Maximum Peak Gain at 2440MHz : 1.42dBi

2. Antenna Characteristics

2.2 Antenna Efficiency and Peak Gain

ANT		
Frequency (GHz)	Efficiency (%)	Peak gain (dBi)
2.4	32.12	0.61
2.45	38.33	1.38
2.5	36.34	0.52

2. Antenna Characteristics

2.3 3 views of antenna

X-Z plane

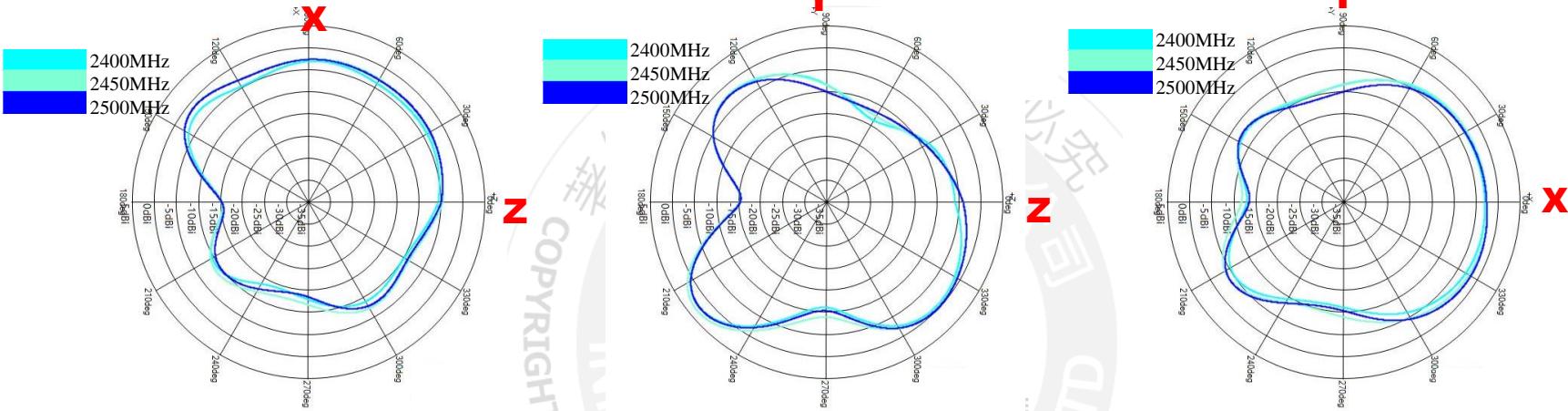
Y-Z plane

X-Y plane



2. Antenna Characteristics

2.3 2D Radiation Patterns

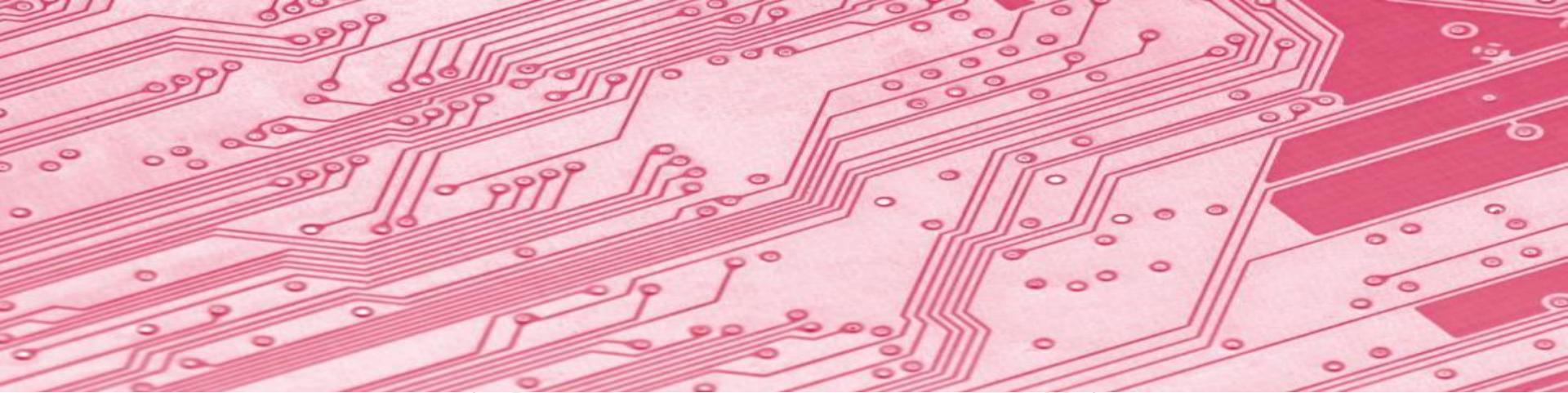


	ZX plane		ZY plane		XY plane	
Frequency [MHz]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]
2400	-2.97	-6.15	0.61	-3.96	-2.97	-5.98
2450	-2.46	-5.14	1.38	-3.14	-2.19	-5.22
2500	-2.55	-5.37	0.52	-3.55	-1.66	-5.46

3. Summary

- The performance of antennas is shown in table

	ANT
Maximum Efficiency (%)	40.29
Maximum Gain (dBi)	1.38



Title for Image (above image could be replaced)

Content Details

PASSIVE SYSTEM ALLIANCE
INPAQ TECHNOLOGY CO., LTD.

WE CONNECT WE PROTECT

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Thank you

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