

PSA

佳邦科技股份有限公司

INPAQ TECHNOLOGY CO., LTD.

PSA

PASSIVE SYSTEM ALLIANCE
INPAQ TECHNOLOGY CO., LTD.

爱旺-RZ Selena T2 TKL

Presented by

冯立翔

2025/03/17



Version	Date	Description	Author
V01	2025/01/16	New Release	冯立翔
V02	2025/01/21	重新优化天线	冯立翔
V03	2025/02/12	重新整理天线	冯立翔
V04	2025/02/15	重新整理天线	冯立翔
V05	2025/03/17	复测试产机器,重新整理天线	冯立翔

OUTLINE

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1.1 Experimental Setup

1.2 Antenna Solution Detail

2. Antenna Characteristics

2.1 S-Parameter

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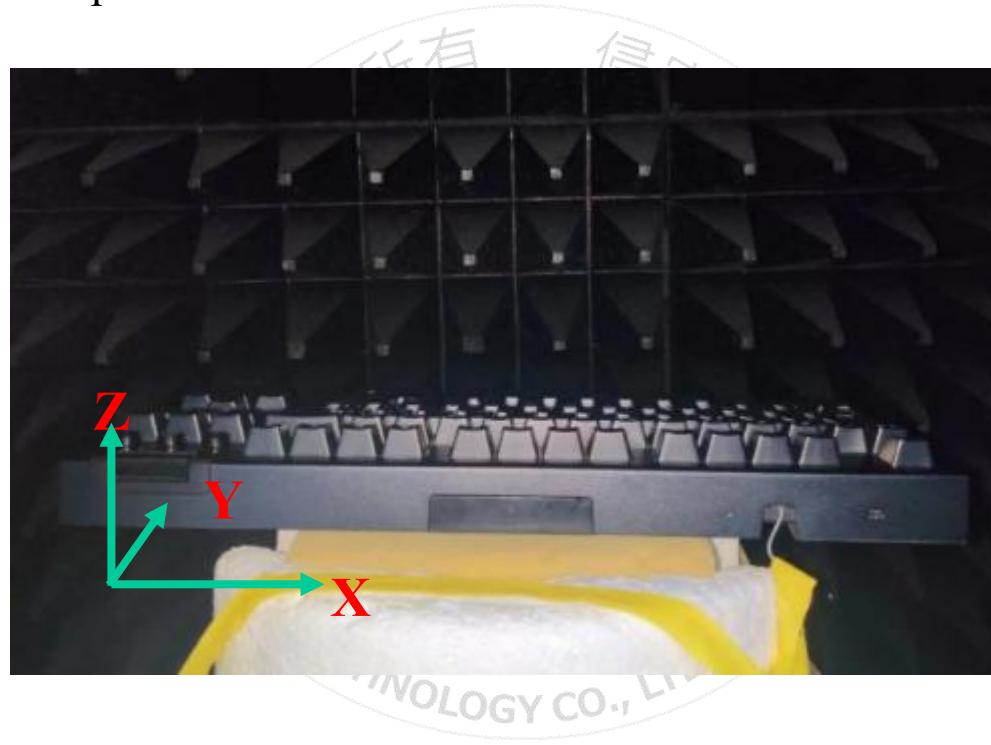
2.3 3 views of antenna & 2D Radiation Patterns

2.4 3D Radiation Patterns

3. Summary

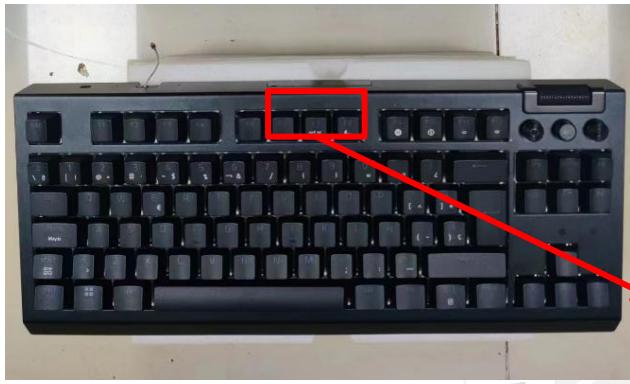
1. Measurement Information

1.1 Experimental Setup



1. Measurement Information

1.2 Antenna Solution Detail



天线按外壳原始天线
粘贴位置粘贴

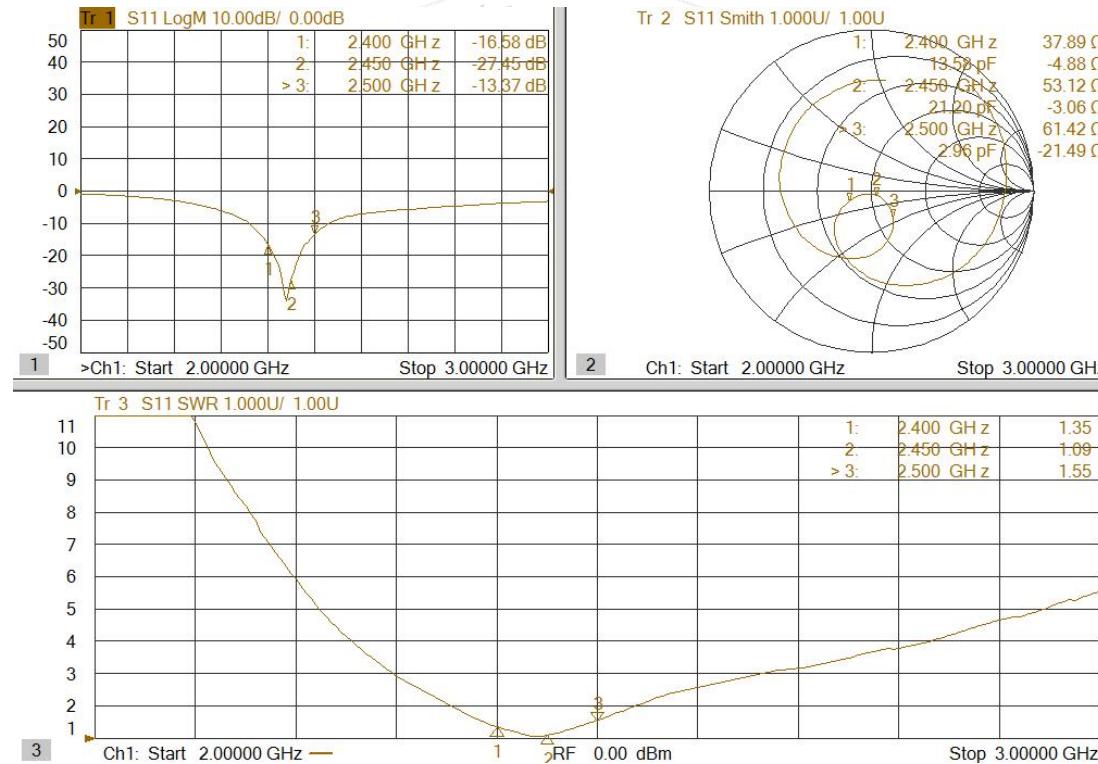


天线大小: 47.6*10mm*0.6mmPCB
cable线长: 83mm 1.13正常线
一代端子头朝下
天线频段: 2400-2500MHz

	對應料號
0Ω	WR04X000 PTL
ANT	RFPCA470907IMAB301

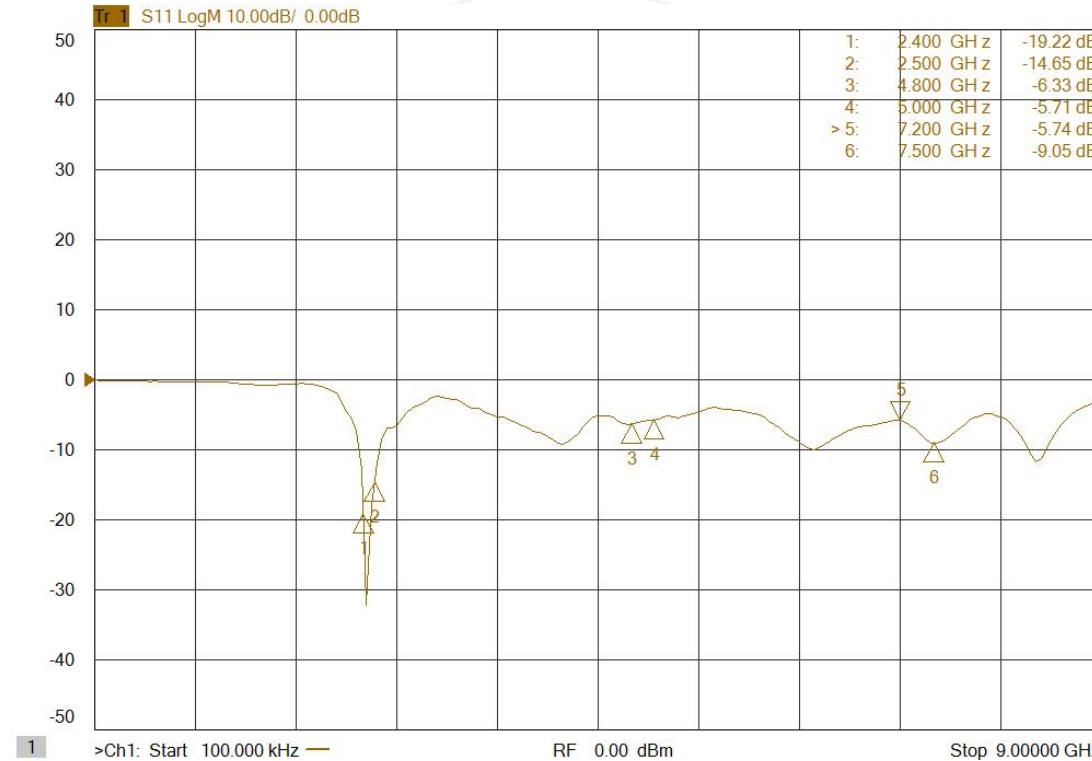
2. Antenna Characteristics

2.1 S-Parameter



2. Antenna Characteristics

2.1 S-Parameter

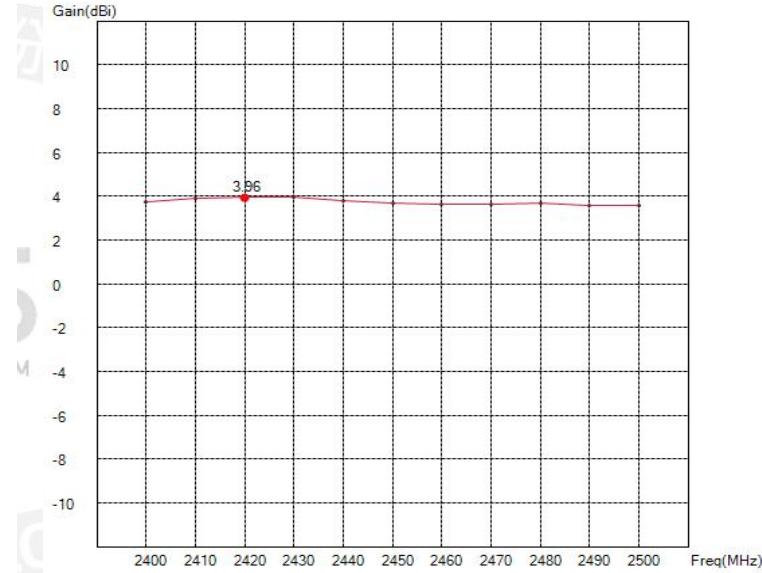


2. Antenna Characteristics

2.2 Antenna Efficiency and Peak Gain



Maximum Efficiency at 2430MHz : 64.43%



Maximum Peak Gain at 2420MHz :3.96dBi

2. Antenna Characteristics

2.2 Antenna Efficiency and Peak Gain

ANT		
Frequency (MHz)	Peak gain (dBi)	Efficiency (%)
2400	3.74	60.07
2450	3.70	62.42
2500	3.59	58.84

2. Antenna Characteristics

2.3 3 views of antenna



X-Z plane



Y-Z plane

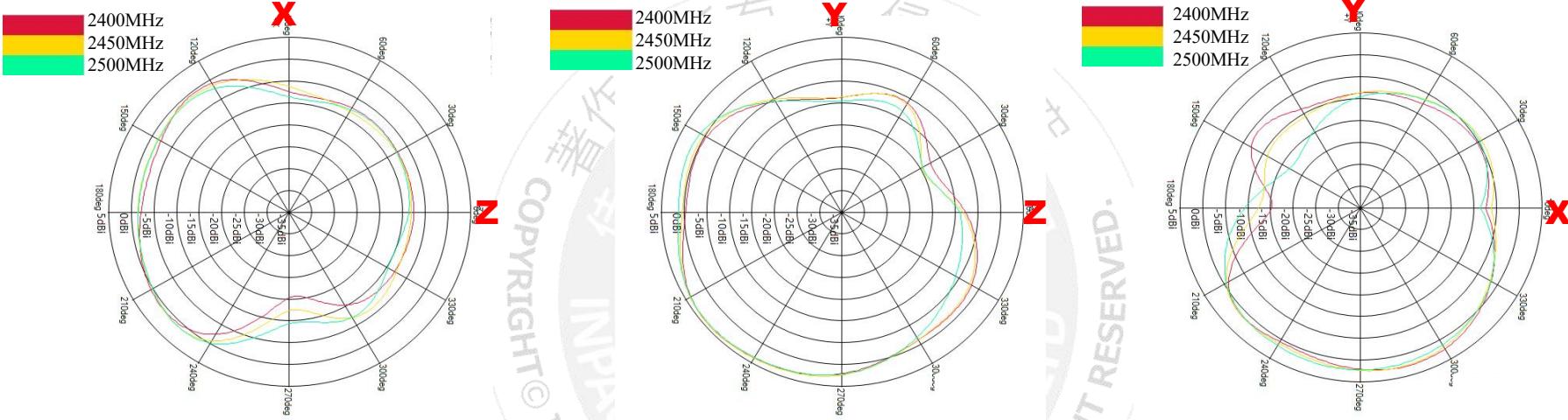


X-Y plane



2. Antenna Characteristics

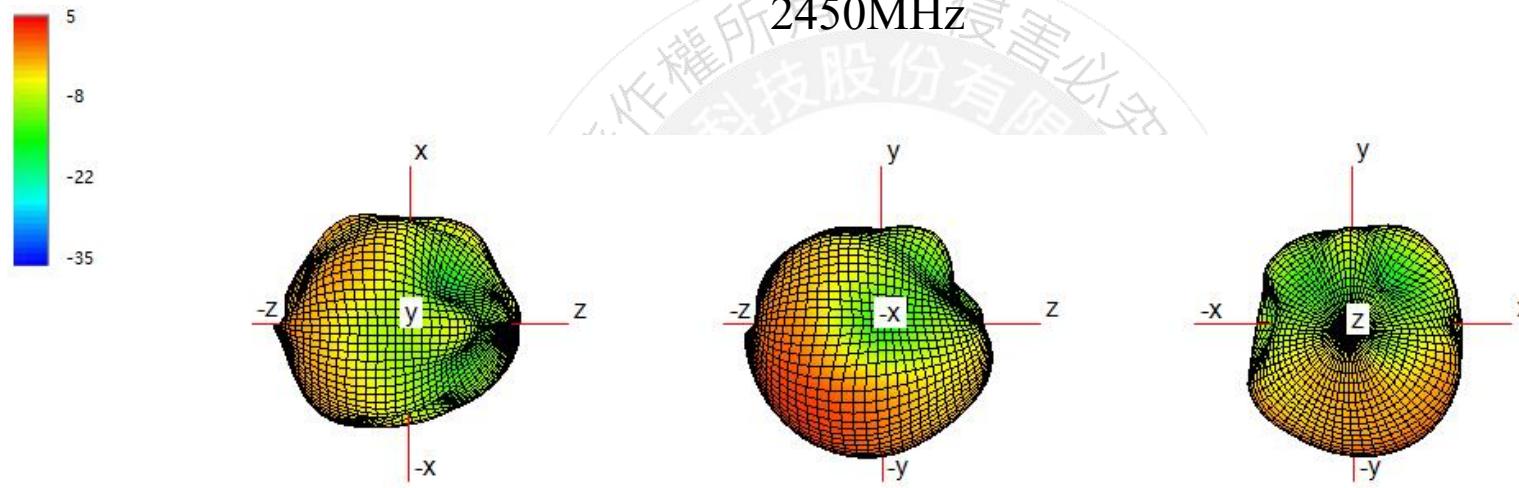
2.3 2D Radiation Patterns



ZX plane		ZY plane		XY plane	
Frequency [MHz]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]	Max Value [dBi]
2400	0.23	-4.83	3.53	-1.09	2.29
2450	-0.19	-4.63	3.70	-1.02	2.25
2500	-0.22	-4.79	3.59	-1.48	2.08

2. Antenna Characteristics

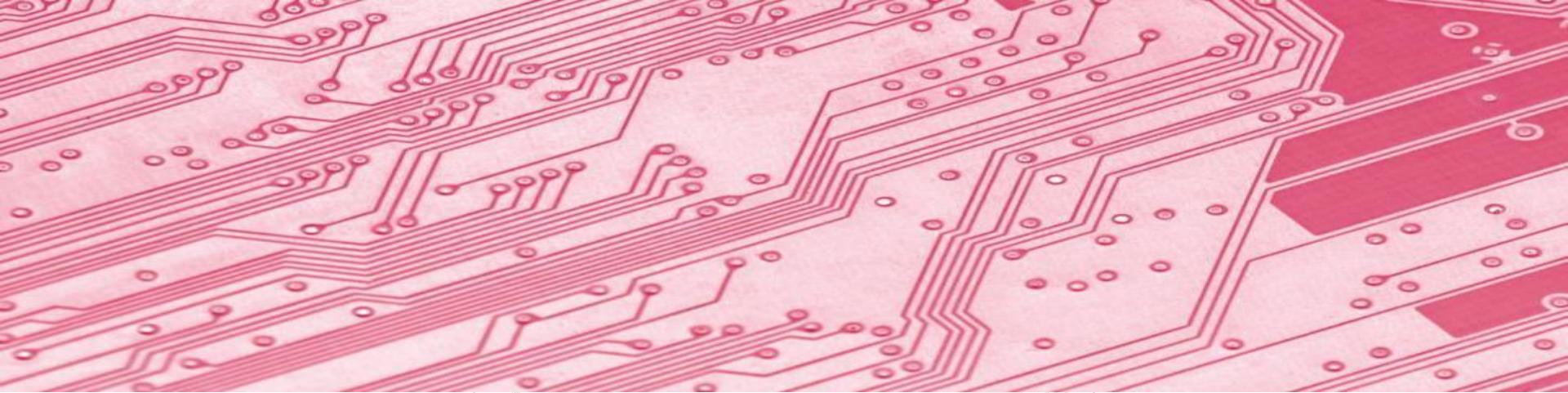
2.4 3D Radiation Patterns



3. Summary

- The performance of antennas is shown in table

	ANT (2.4G)
Maximum Efficiency (%)	64.43
Maximum Gain (dBi)	3.96



Title for Image (above image could be replaced)

Content Details

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Thank you

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