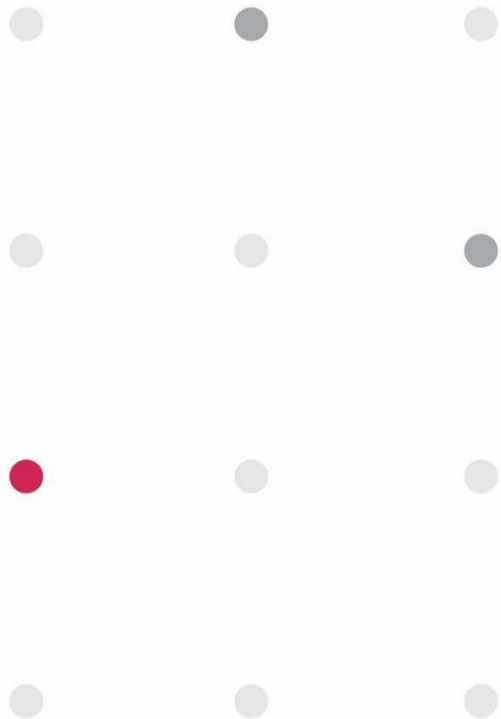


PSA

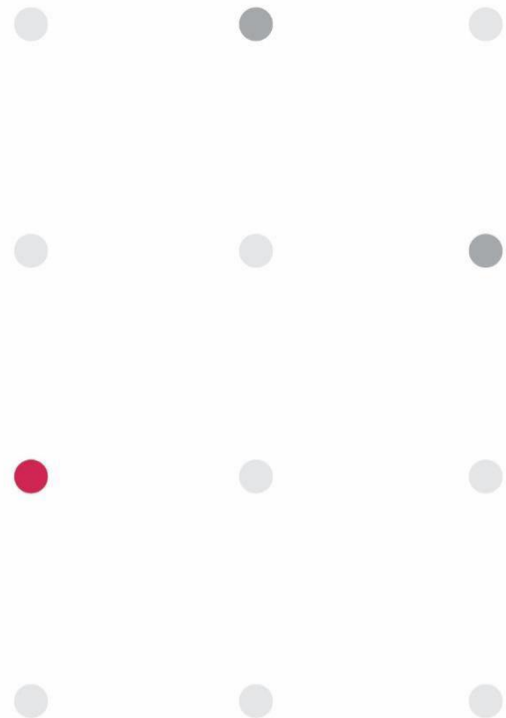
佳邦科技股份有限公司

INPAQ TECHNOLOGY CO., LTD.



PSA

PASSIVE SYSTEM ALLIANCE
INPAQ TECHNOLOGY CO., LTD.



中磊 Quadbridge Pico Wi-Fi 天線

Test Engineer: Hao Qin

Test Date: 2025 / 07 / 07

Version	Date	Description	Author
V01	2025/07/07	New Release	秦灝

OUTLINE

1. Measurement Information

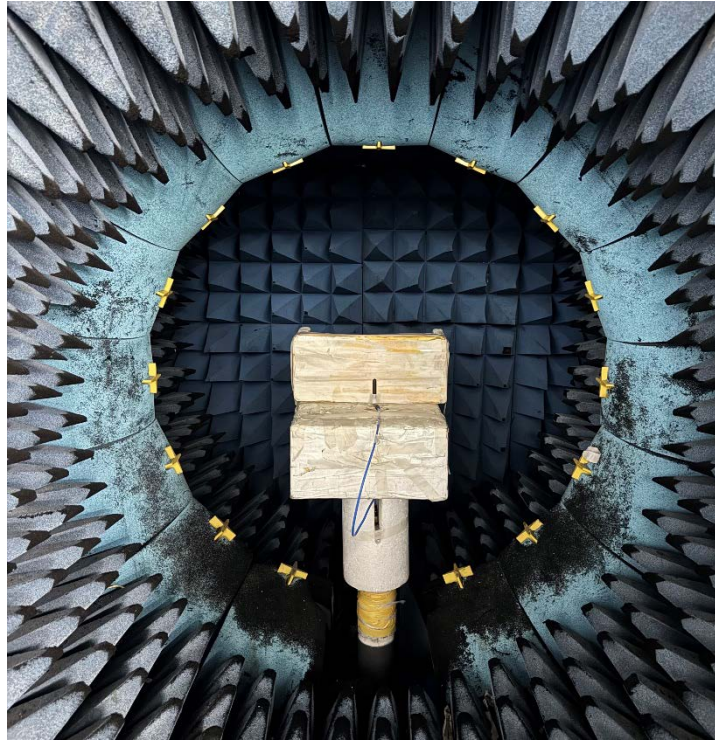
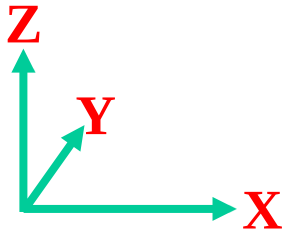
- 1.1 Experimental Setup
- 1.2 Antenna Solution Detail

2. Antenna Characteristics

- 2.1 VSWR
- 2.2 Antenna Efficiency and Peak Gain
- 2.3 3 views of antenna & 2D Radiation Patterns

1. Measurement Information

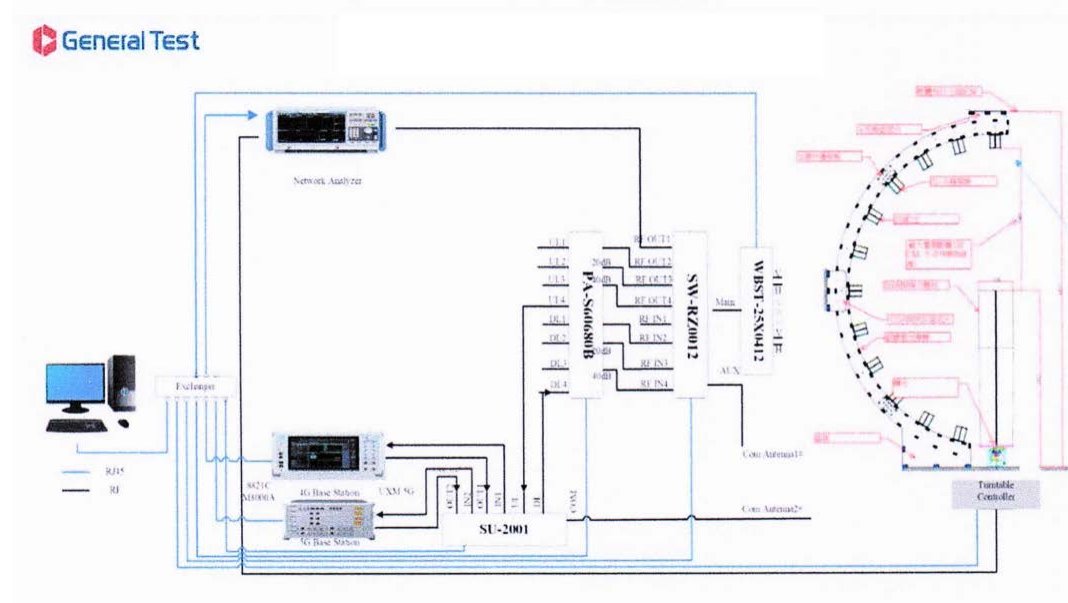
1.1 Experimental Setup



1. Measurement Information

1.1 Experimental Setup

General Test System

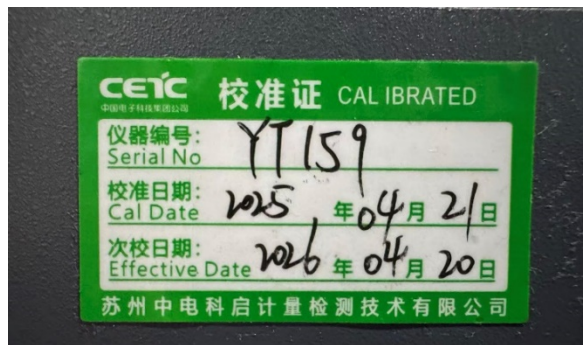
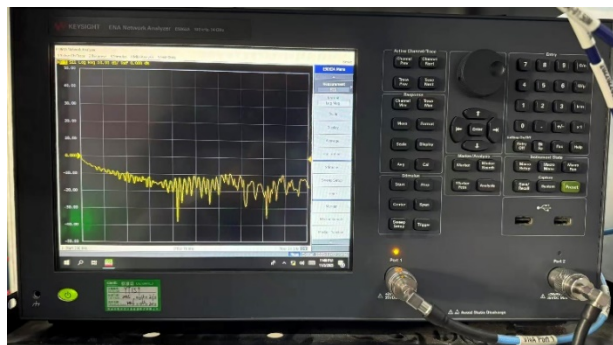
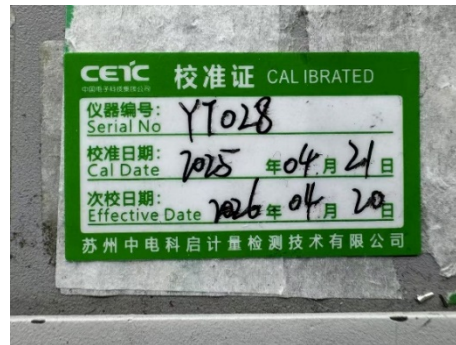
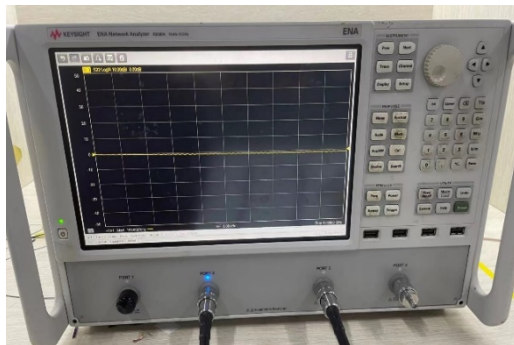


Antenna testing principle:By radiating or receiving electromagnetic waves at specific frequencies in a controlled environment (anechoic chamber), the antenna's gain, efficiency, and radiation characteristics in all directions are measured, allowing for precise analysis of its actual performance parameters.

1. Measurement Information

1.1 Experimental Setup

Equipment calibration



1. Measurement Information

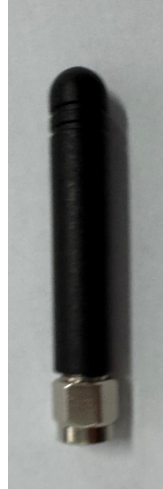
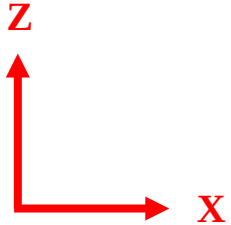
1.1 Experimental Setup

Test software : 1.Network Analyzer; 2.Gts MaxSign

Equipment list : 1.E5063A; 2. E5080A; 3. Power Amplifier control unit;
4. RF Switch Control Unit; 5. Positioning Controller

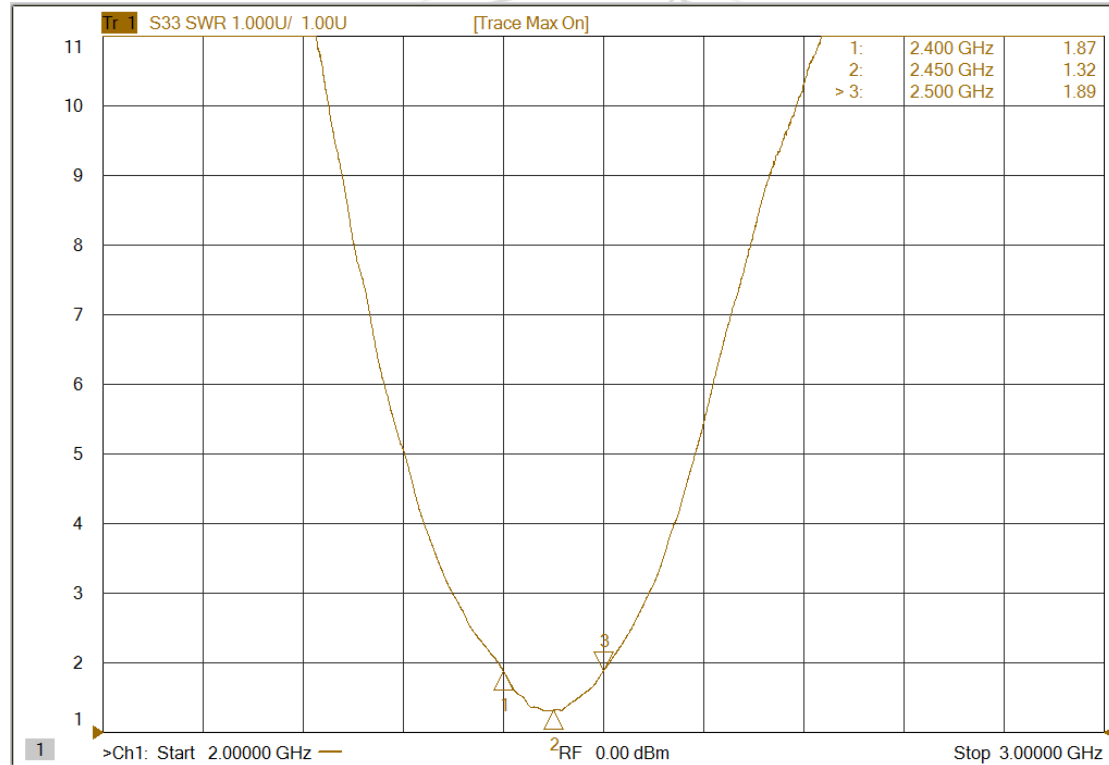
1. Measurement Information

1.2 Antenna Solution Detail



2. Antenna Characteristics

2.1 VSWR



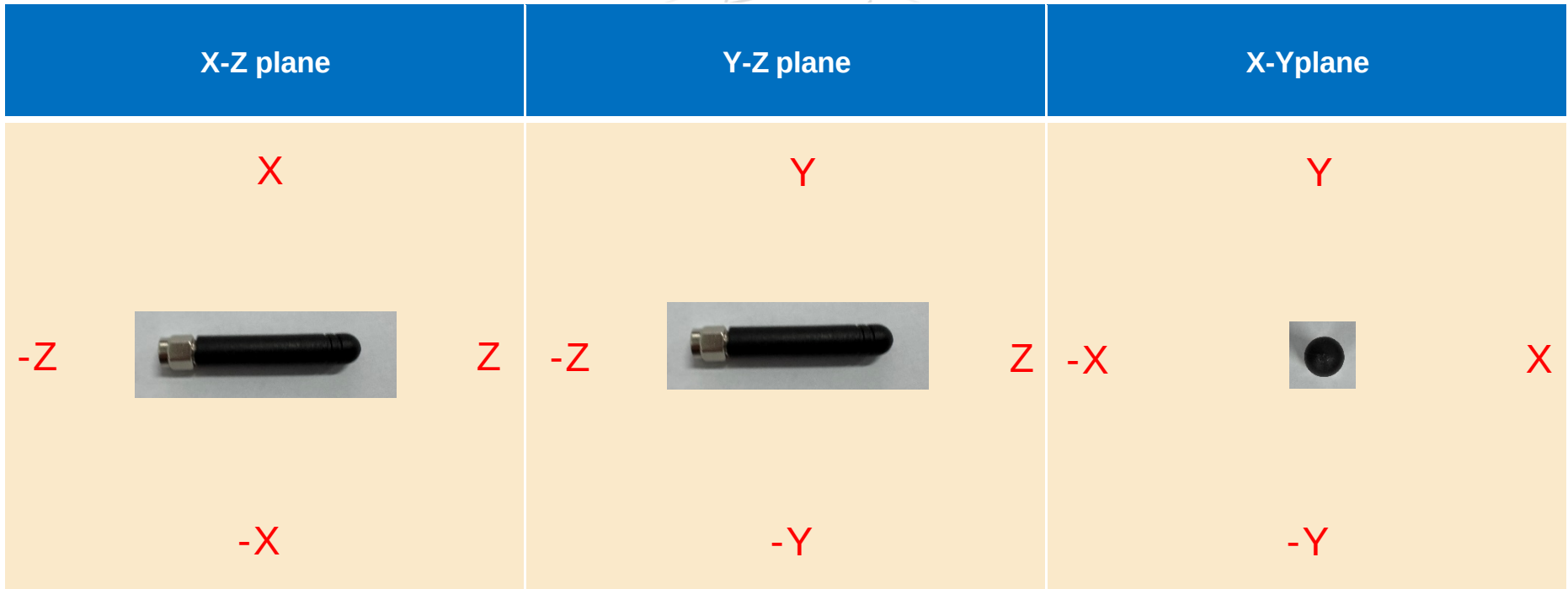
2. Antenna Characteristics

2.2 Antenna Efficiency and Peak Gain

Ant		
Frequency (GHz)	Efficiency (%)	Peak gain (dBi)
2400	54.86	5.58
2450	60.52	5.76
2500	51.68	5.14

2. Antenna Characteristics

2.3 3 views of antenna

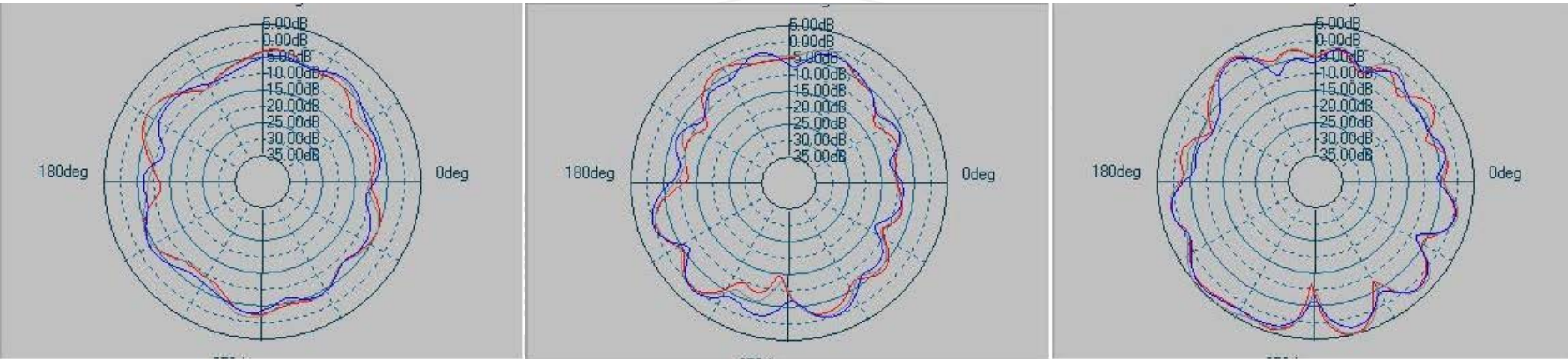


2. Antenna Characteristics

Ant

2400-2500MHz

2.2 2D Radiation Patterns



Thank you

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