

2025

Antenna Matching Test Report

Customer Name: 易科诺

Test Date: 2025 年 07 月15 日

陈鹏飞 18028016875
广州寒武纪电子科技有限公司

2025/07/15



Catalogue

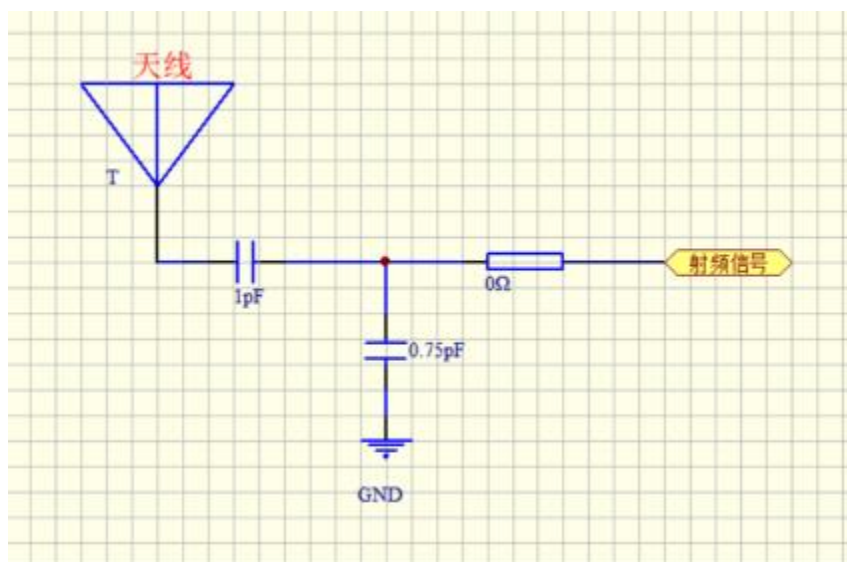
Catalogue

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CA-C03

1. Matching Debug Data

Schematic Diagram of Antenna Matching after Debugging



Note: Please use the peripheral component values as per the chip manufacturer's reference design for the RF chip. The above antenna matching components are independent and cannot be interchanged.

Component Model

0.75pF	0402CGR75C500NT	FH
1pF	0402CG1R0C500NT	FH

2. S Parameter Test

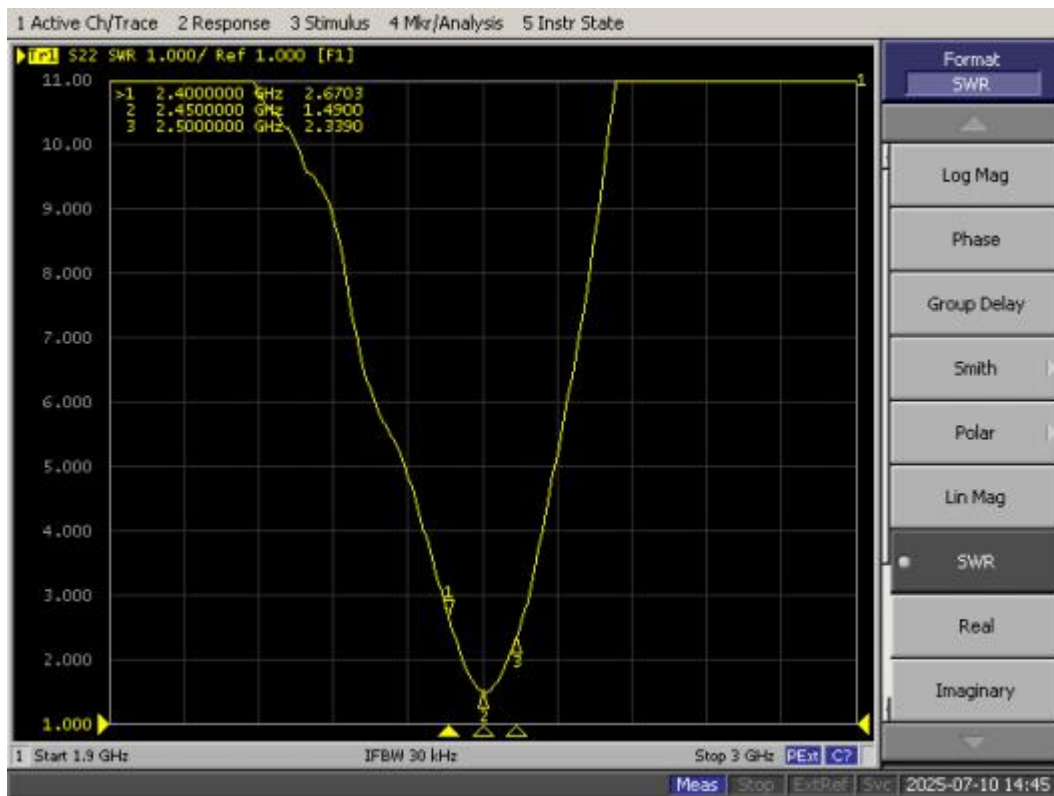


Model: E5062A , ZVB8 , N9020A

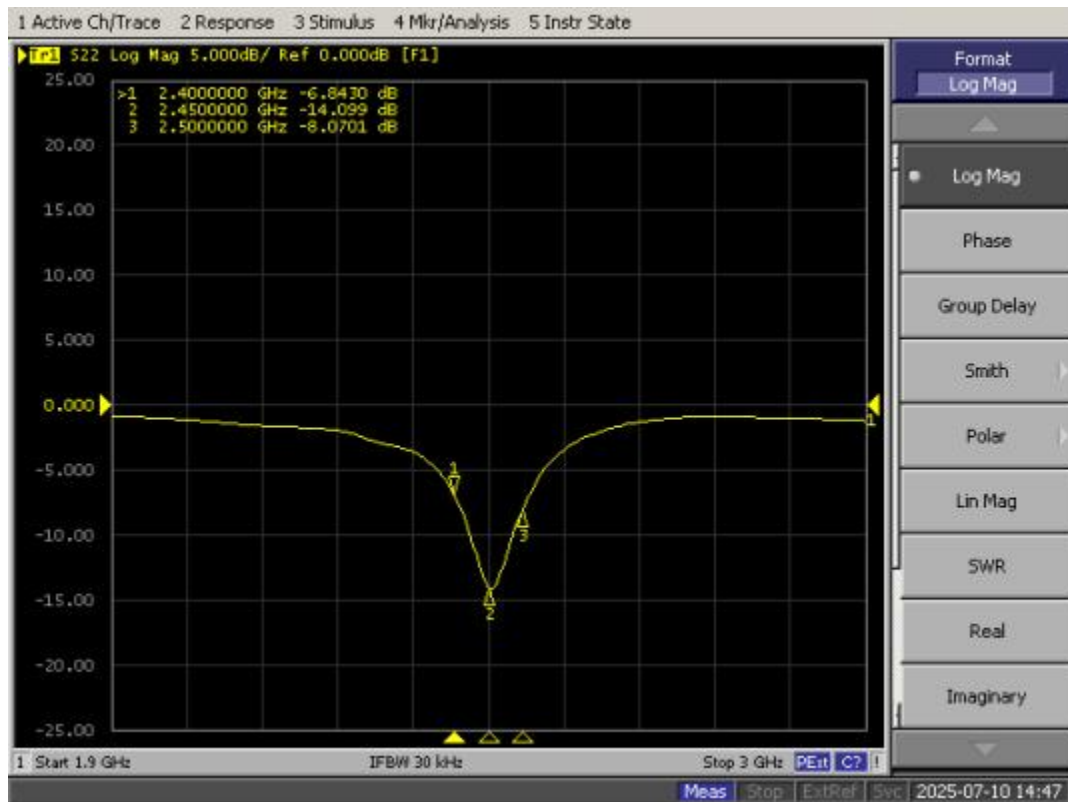
Whole Machine Test Environment



Antenna Voltage Standing Wave Ratio

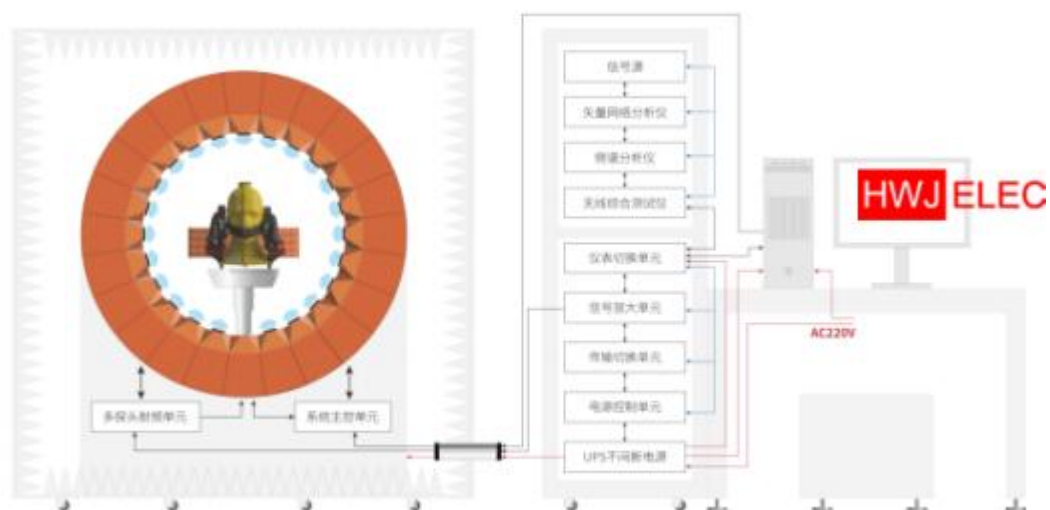


Return Loss



3. 3D Microwave Anechoic Chamber Test



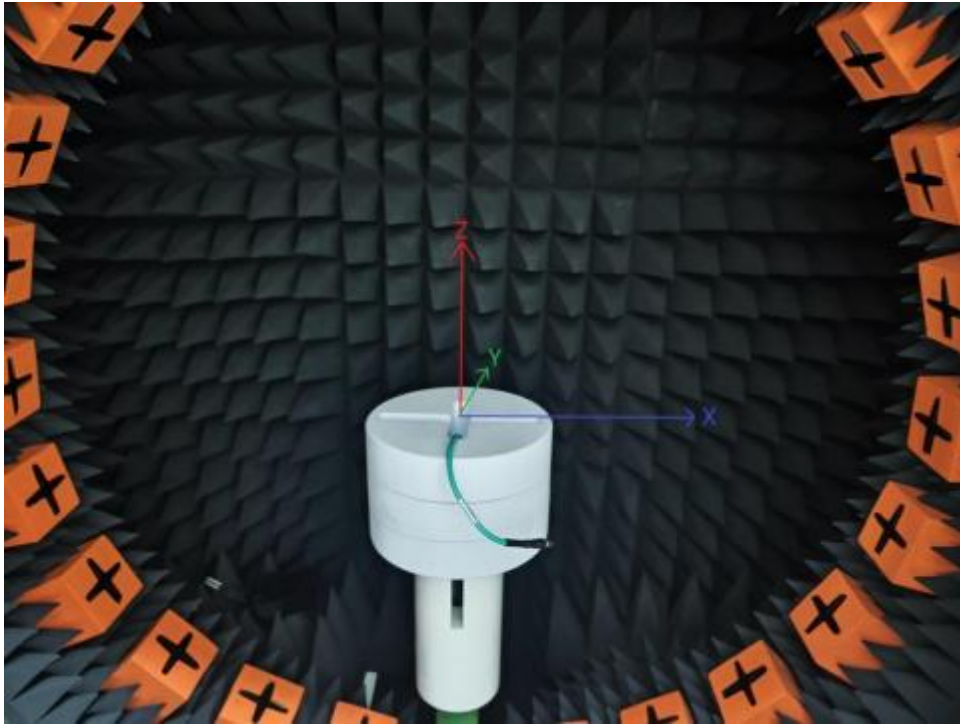


Equipment Model: ATS-200、E5071C、CMW500

Gain and Efficiency Table

Frequency/Mhz	MaxGain/dBi	Efficiency / %
2400	5.02	41.5
2410	5.26	42.66
2420	4.96	40.27
2430	4.82	37.15
2440	5	38.73
2450	4.91	39.81
2460	3.99	36.14
2470	3.98	36.64
2480	4.02	35.65
2490	3.53	34.12
2500	2.31	28.18

Anechoic Chamber Direction Schematic

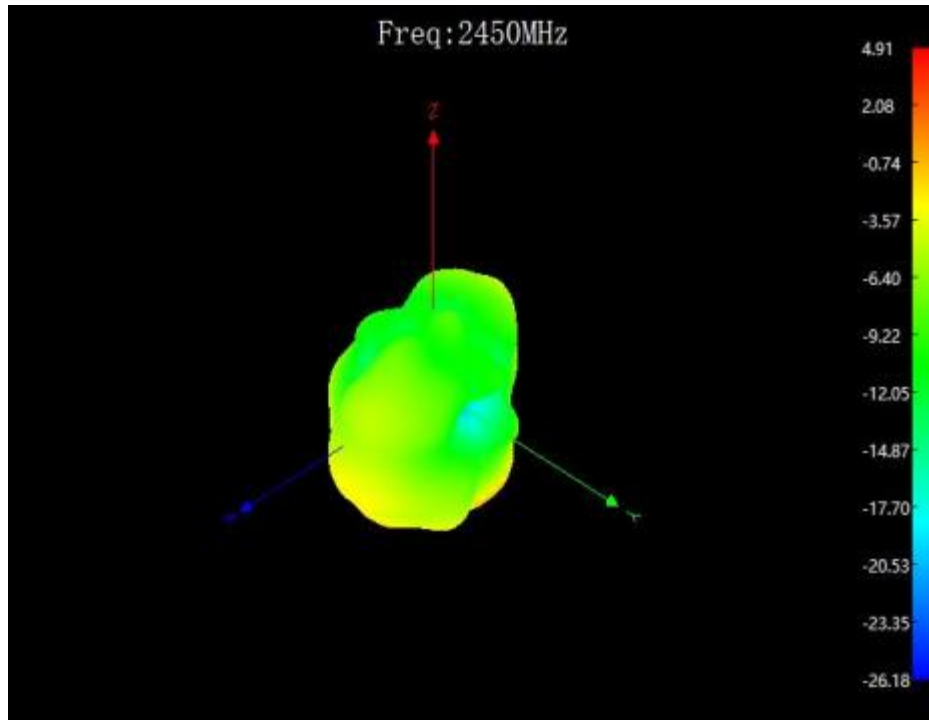


Anechoic Chamber Testing Environment Diagram



3D Radiation Pattern

2450MHz



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