2025

Antenna test report

Guangzhou Cambr ian Electr onic Technology Co., Ltd .

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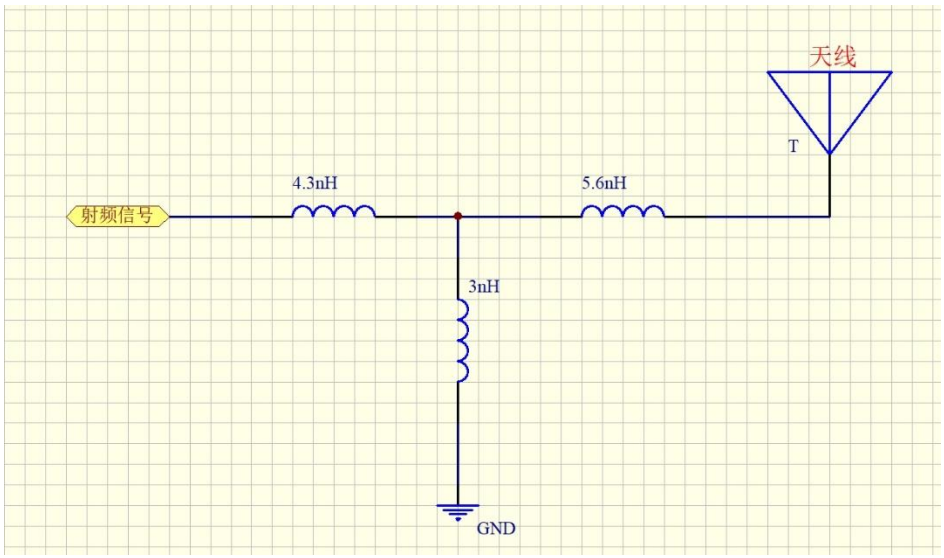
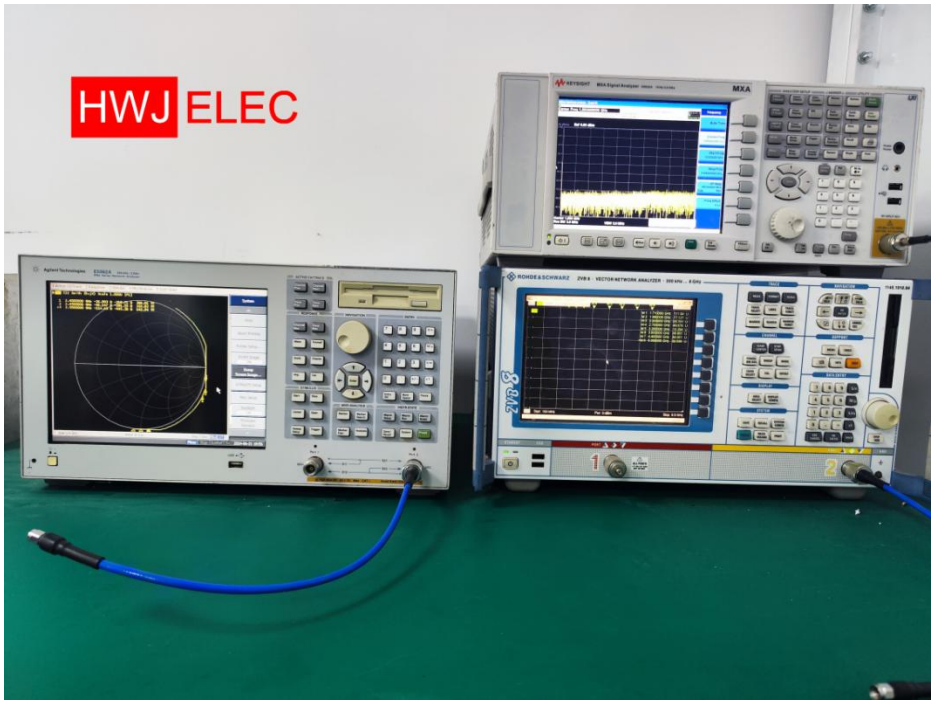
OA-C07 天线　2.4G

Ⅰ Matching debugging data

The matching schematic diagram of the antenna after debugging

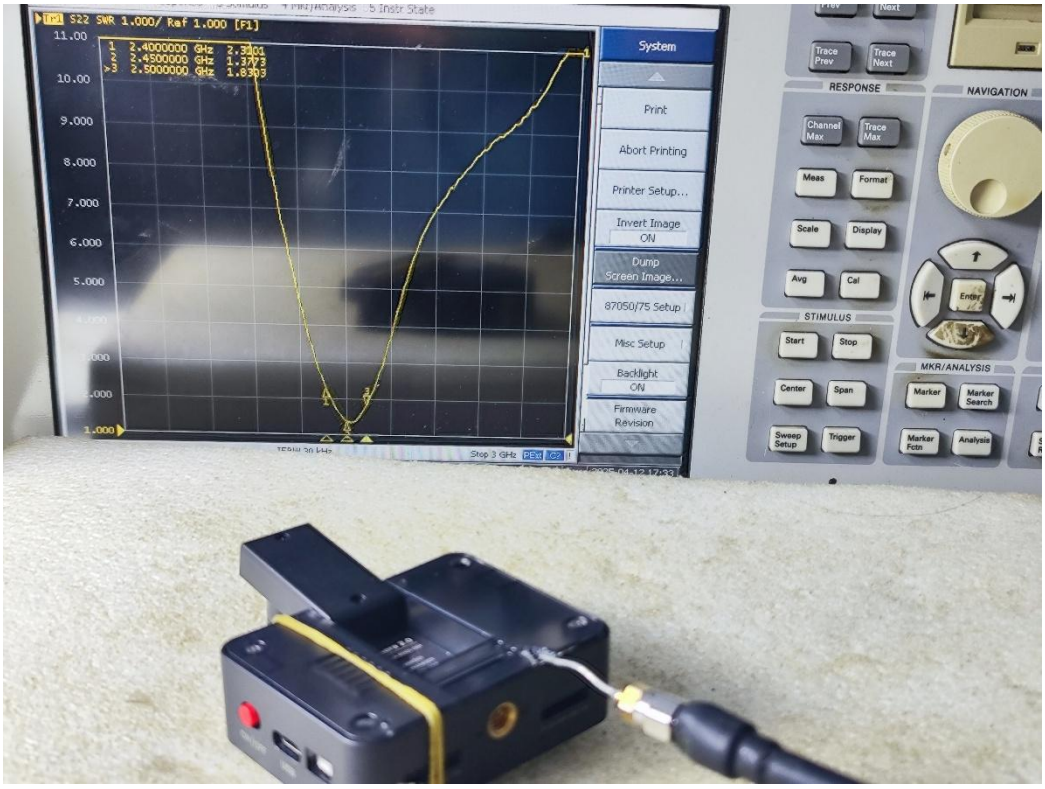


Ⅱ S Parameter Test

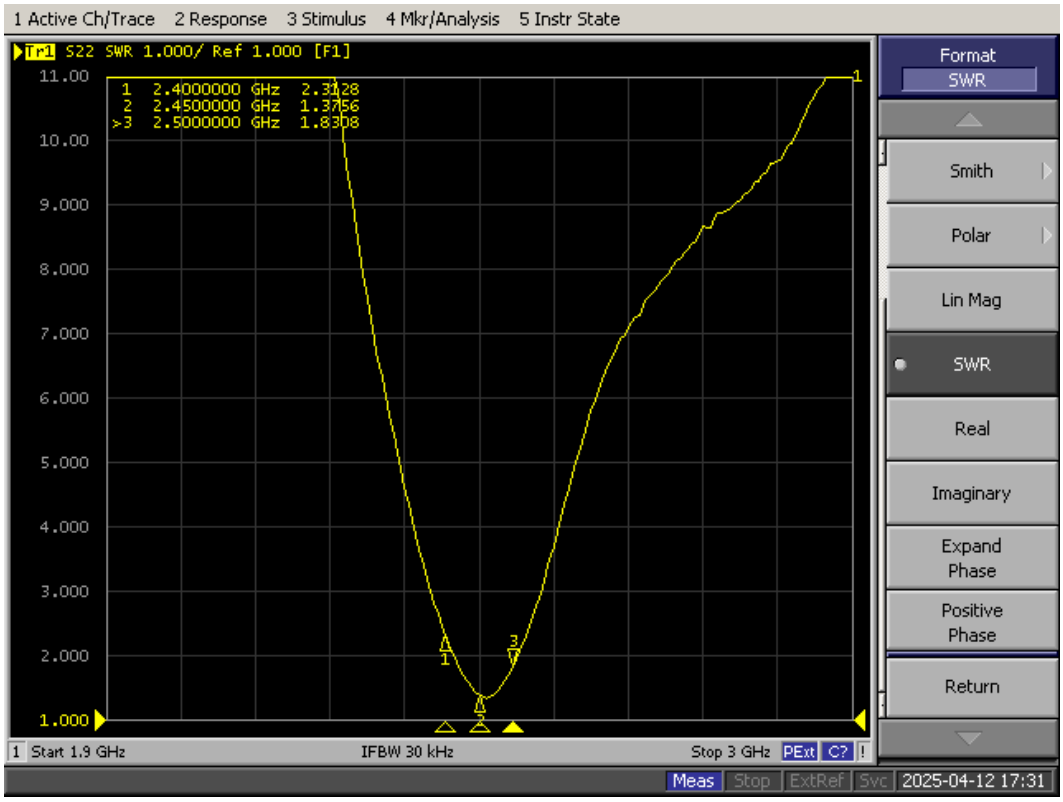


型号：E5062A　，　ZVB8　，　N9020A

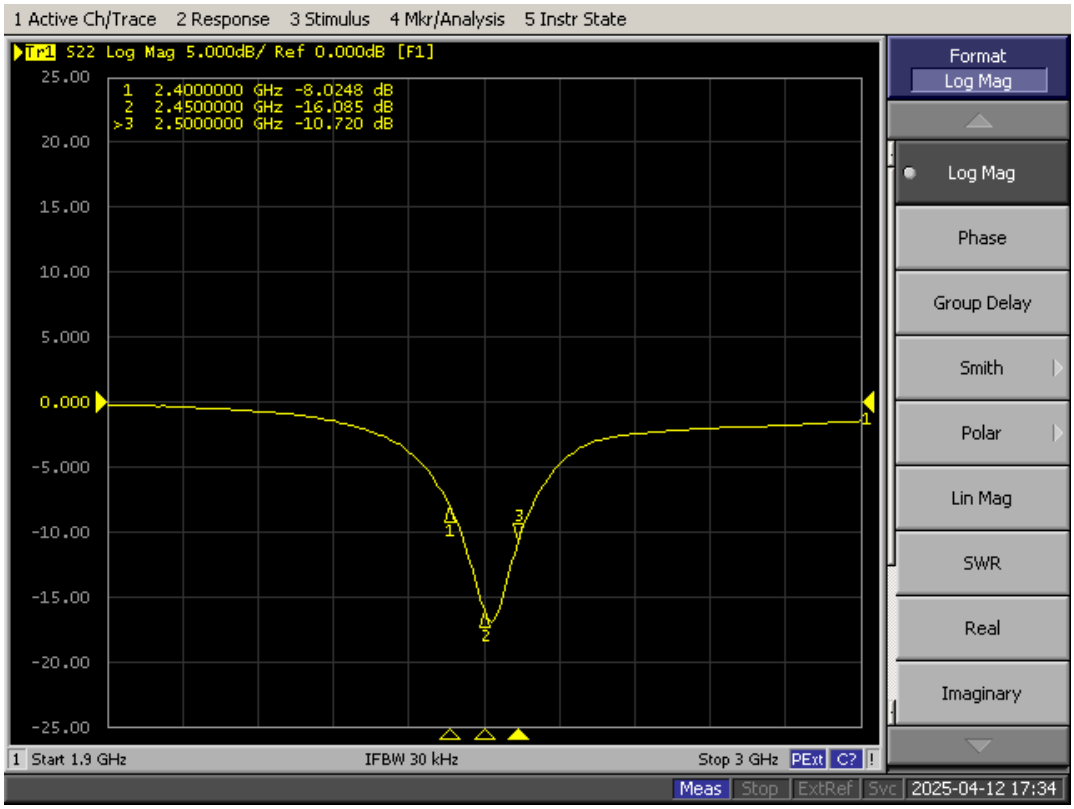
Whole machine test environment



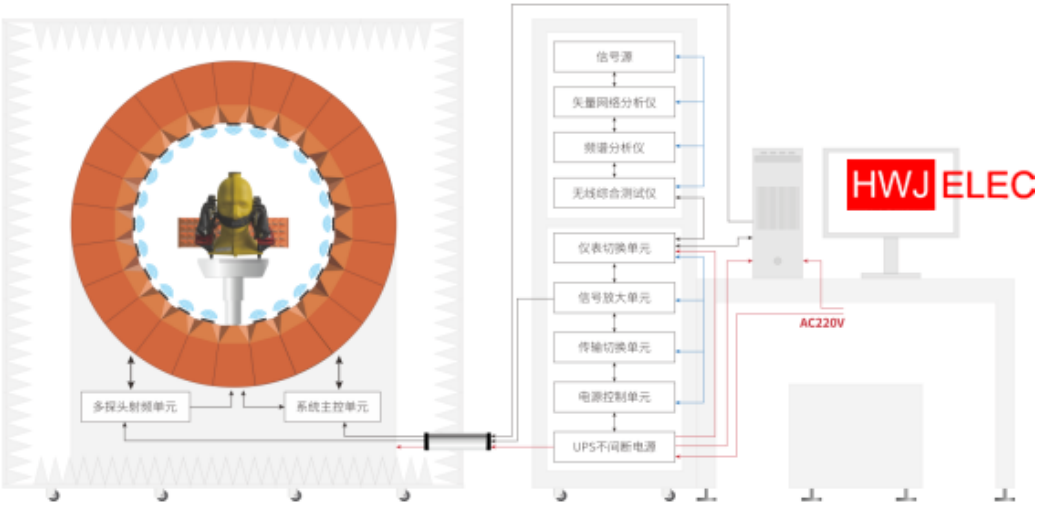
Antenna standing wave ratio



Return loss



Ⅲ 3D micr owave d ar kr oom test

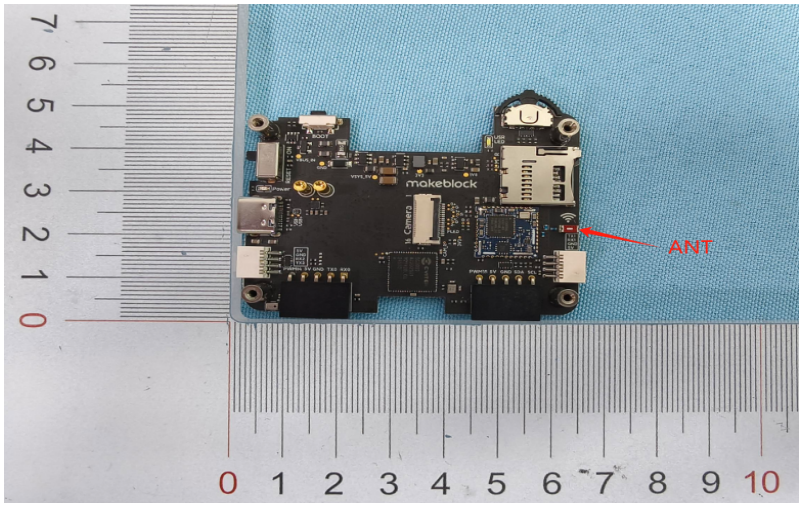


Device M od el：ATS-200、E5071C、CMW500

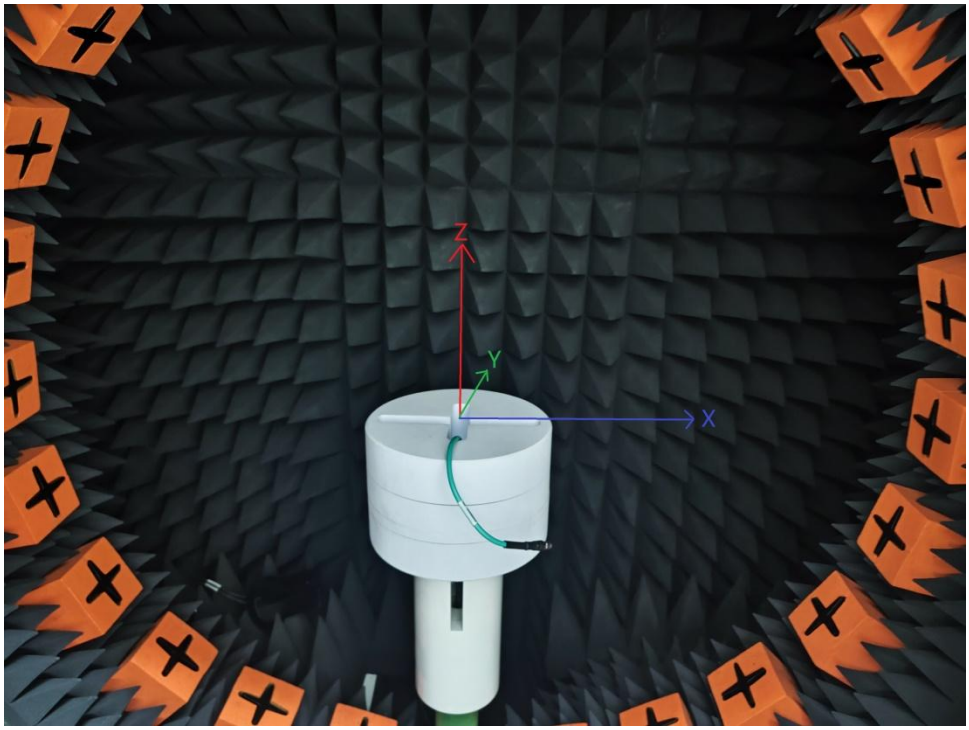
Gain and Efficiency Table

Frequency/Mhz	MaxGain/dBi	Efficiency / %
2400	-1.88	12.5
2410	-1.84	13.65
2420	-1.9	14.29
2430	-2.01	14.79
2440	-1.87	16.14
2450	-2.41	16.52
2460	-3.12	15.74
2470	-3.33	15.78
2480	-3.34	15.67
2490	-3.91	15.96
2500	-4.99	14.19

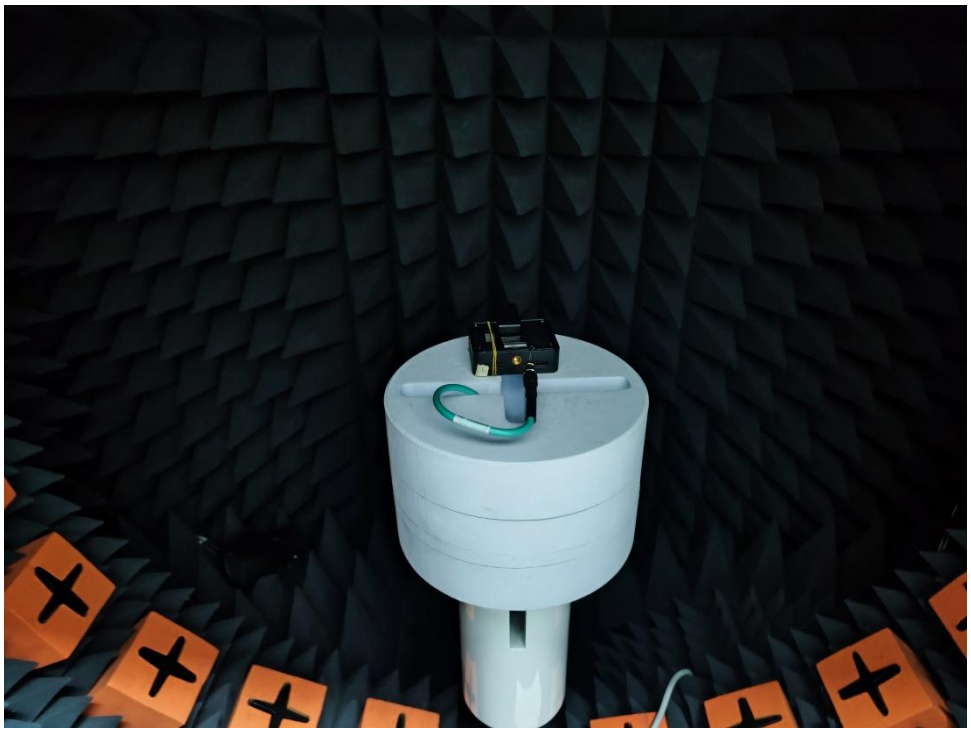
Antenna size

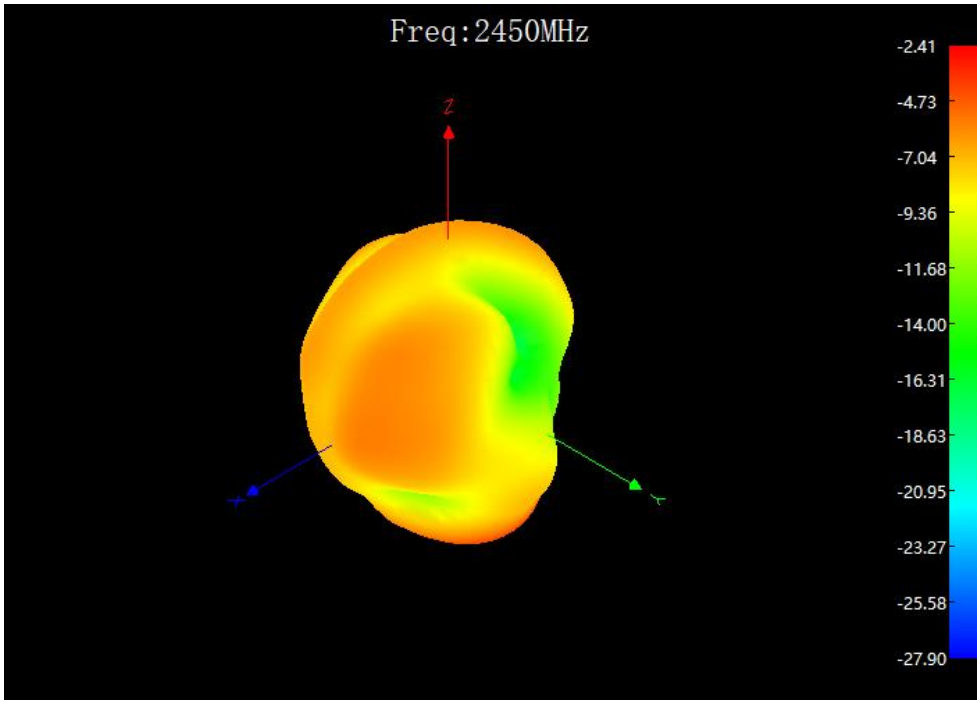


Darkroom direction diagram



Darkroom test environment diagram of the product



3D Direction Map

2450MHz