

2026

Antenna Matching Test Report

Customer: Zhongshan Jutailai
Electronic Technology Co., Ltd. **Test**
Date: March 17, 2026

Engineer Chen: 18028016875
Guangzhou Hanwuji Electronic
Technology Co., Ltd.

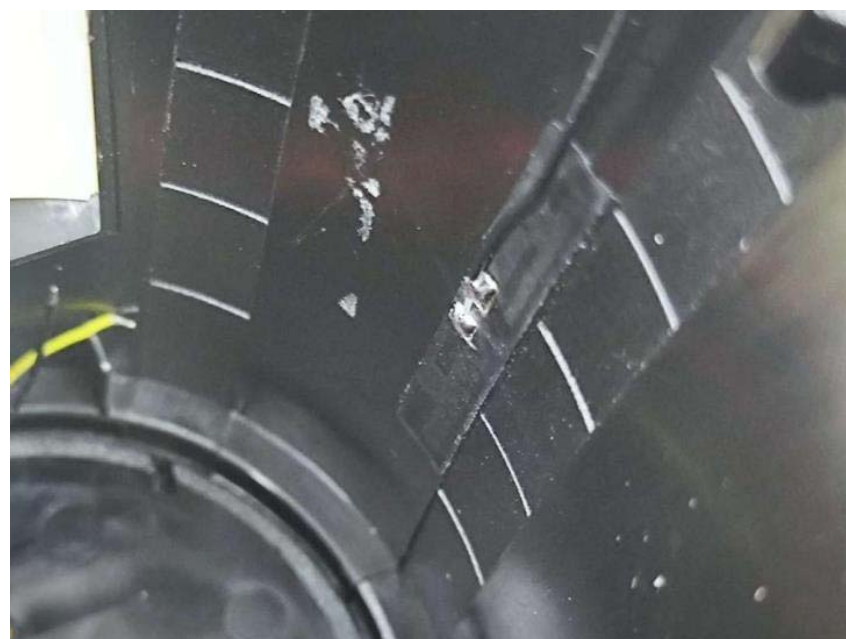
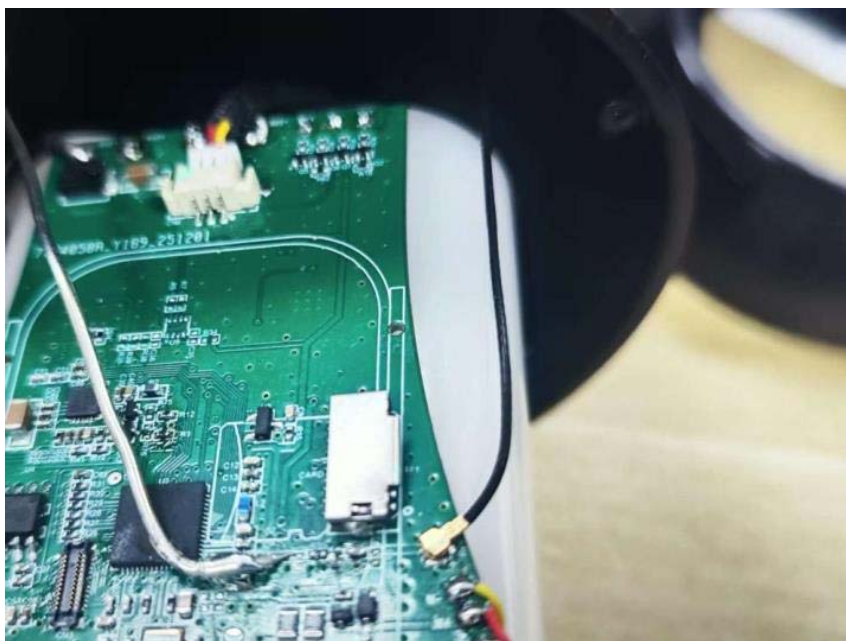
2026/3/17



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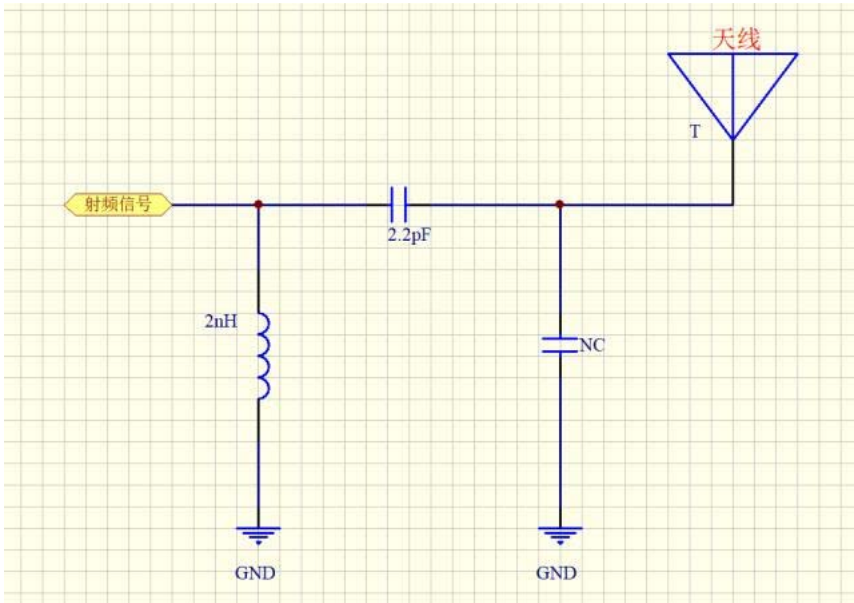
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OA-FW4006 Antenna 2.4G Coaxial Cable 10cm IPEX 4th Generationz



I Matching Debug Data

Antenna Matching Schematic Diagram After Debug



Note: The peripheral component values required by the RF chip reference design shall be used in accordance with the chip manufacturer's reference design. The above antenna matching components are independent of each other and cannot be replaced with each other.

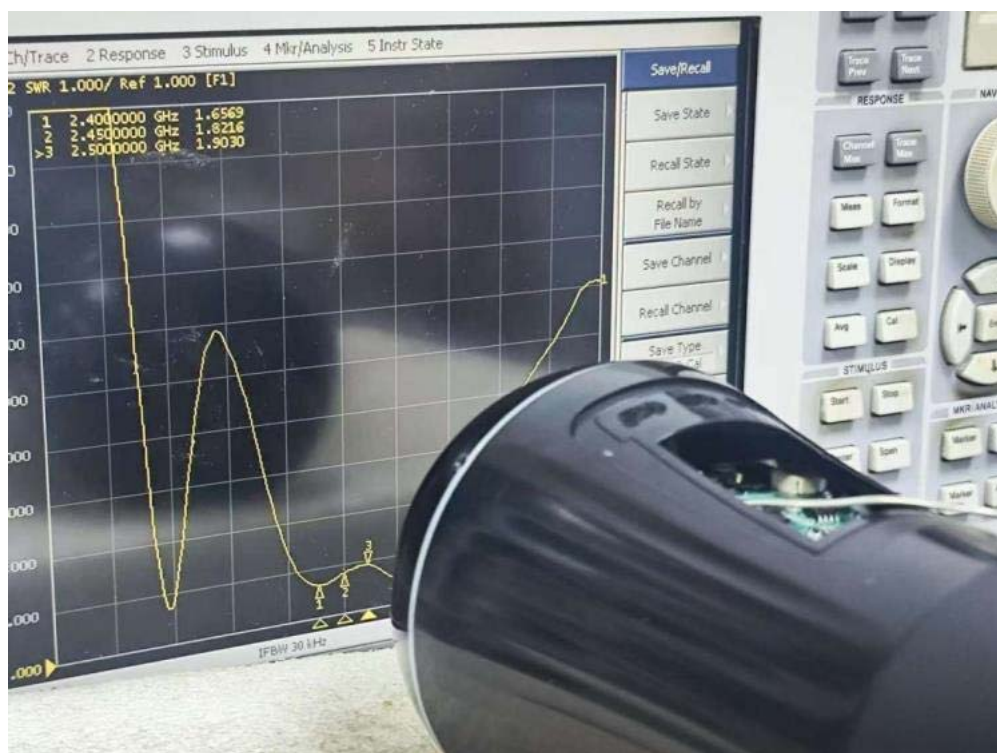
2nH	SDCL1005C2N0STDF	Sunlord(顺络)
2.2pF	0402CG2R2C500NT	FH (风华)

II S-Parameter Test

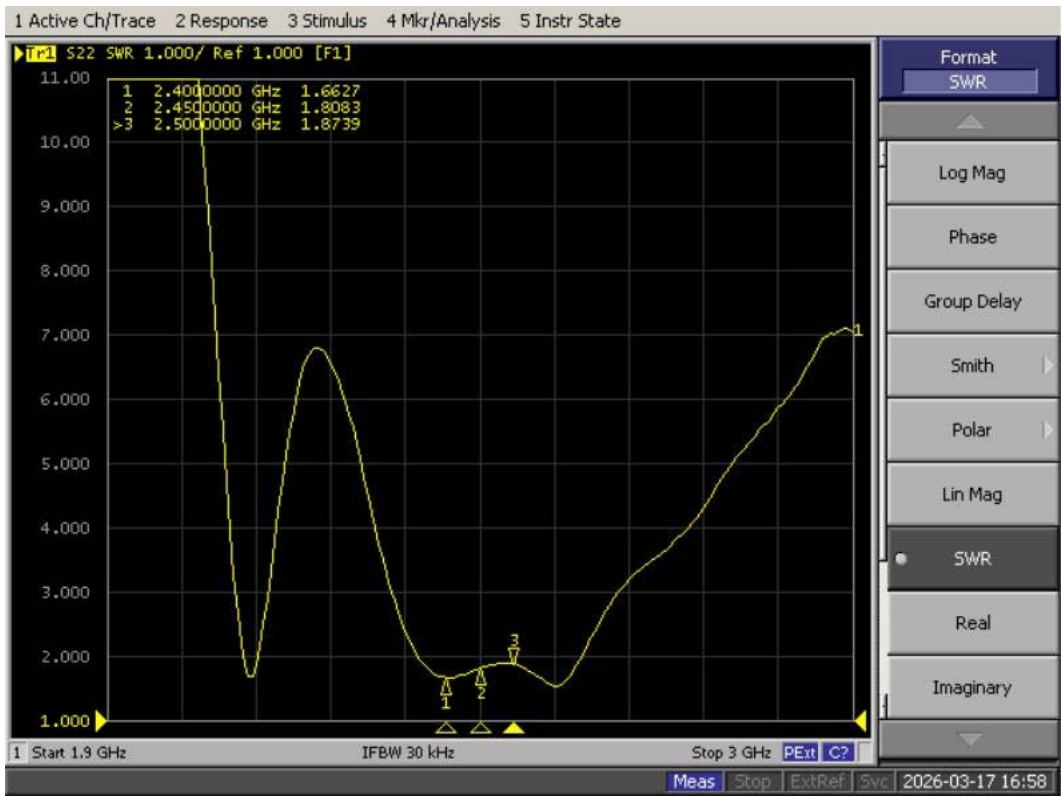


Equipment Models: E5062A, ZVB8, N9020A

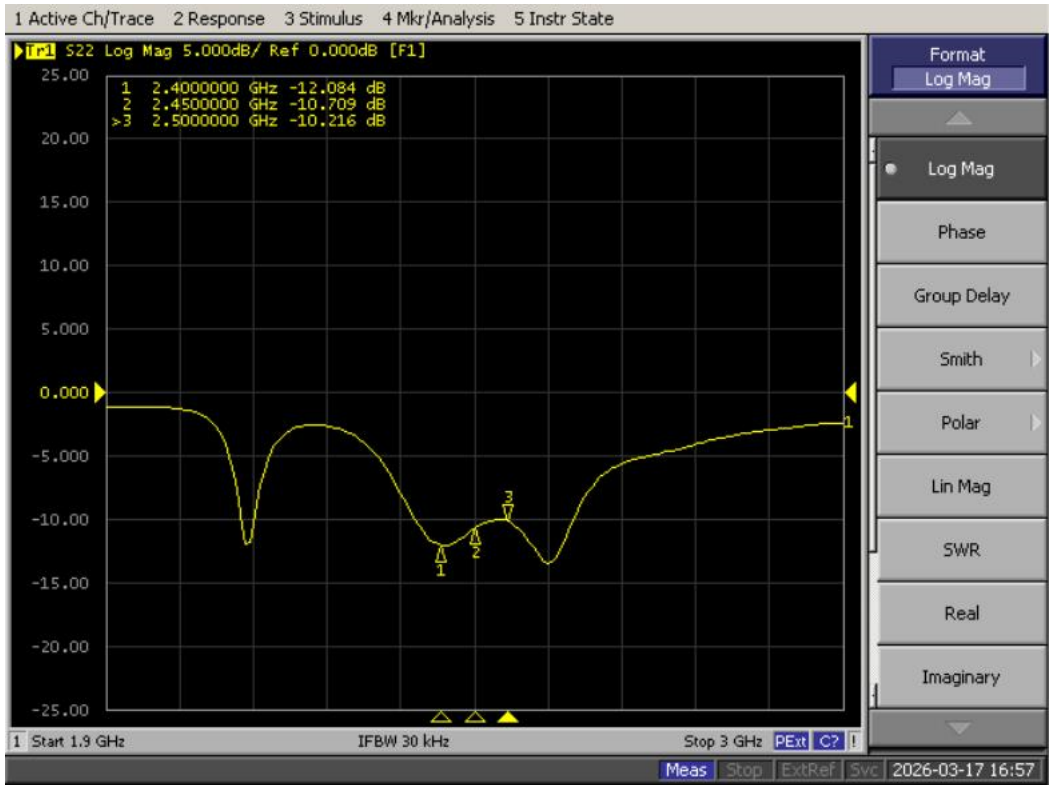
Overall Test Environment



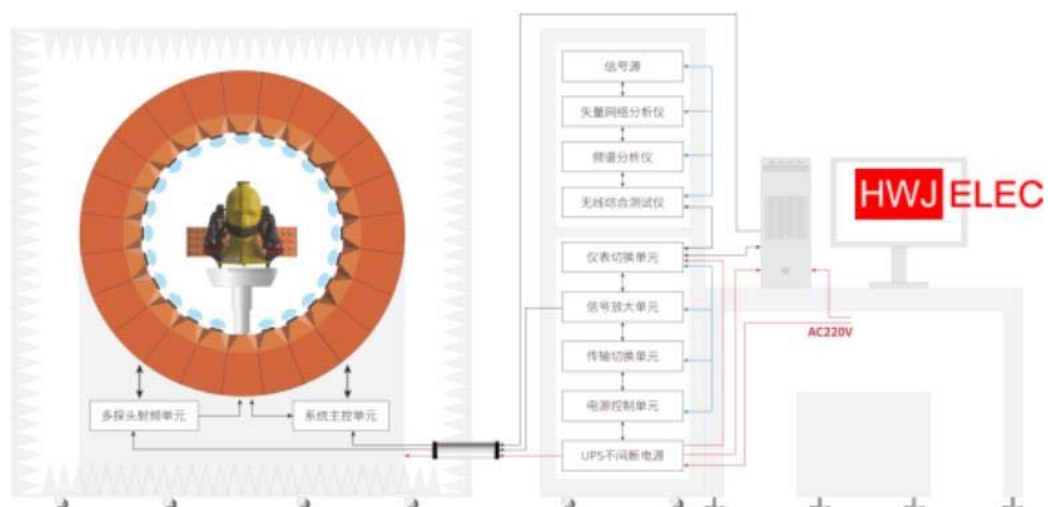
Antenna VSWR



Return Loss



III 3D Microwave Chamber Test

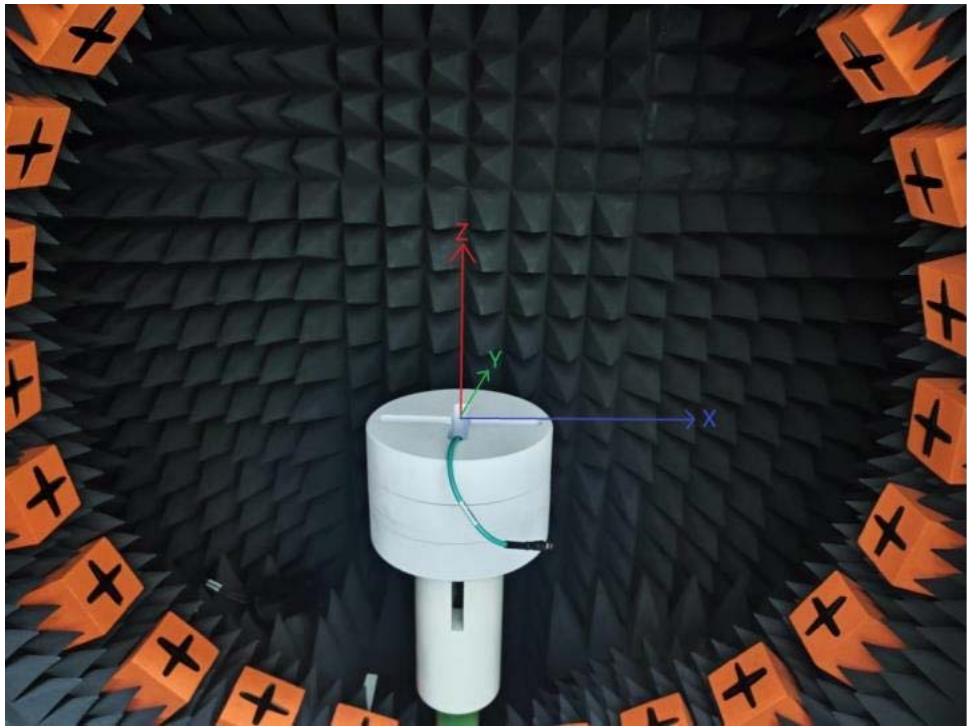


Equipment Models:ATS-200、E5071C、CMW50

Gain and Efficiency Table

Frequency/Mhz	MaxGain/dBi	Efficiency / %
2400	2.07	36.98
2410	2.01	36.9
2420	1.9	35.32
2430	1.97	34.2
2440	2.2	35.16
2450	2.05	34.43
2460	1.86	33.27
2470	1.77	33.19
2480	1.61	33.27
2490	1.38	34.2
2500	0.98	33.65

Chamber Direction Diagram



Product Chamber Test Environment Picture



3D Radiation Pattern

2450MHz

