

2025

Antenna Specifications

Customer Name: Fast Bee

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2025/12/18



catalogue

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0A-FW4007B Antenna coaxial cable 35mm IPEX first generation 2.4G

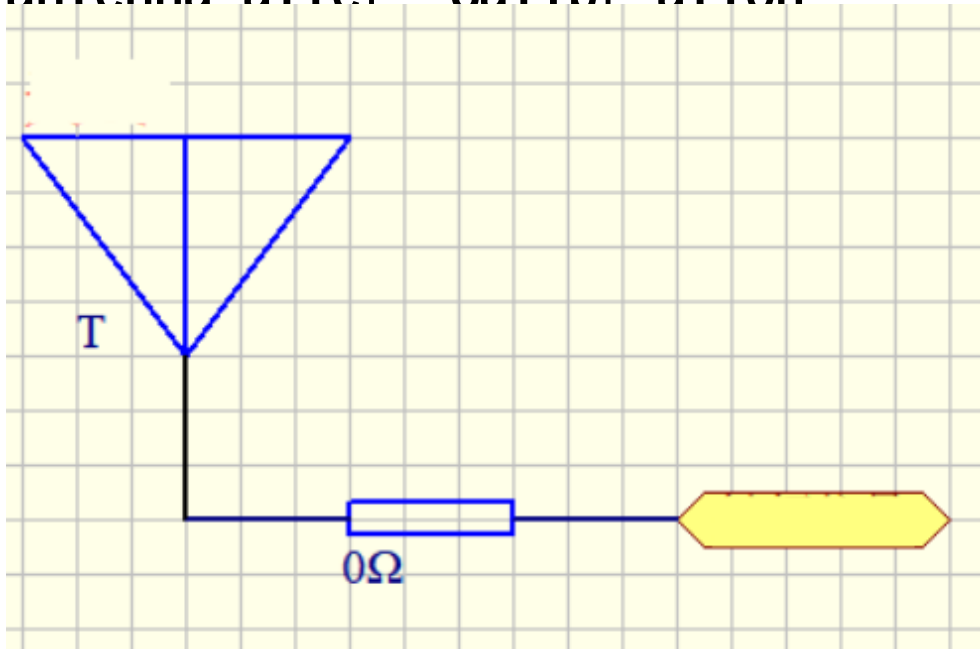


type : FPC antenna with IPEX connector



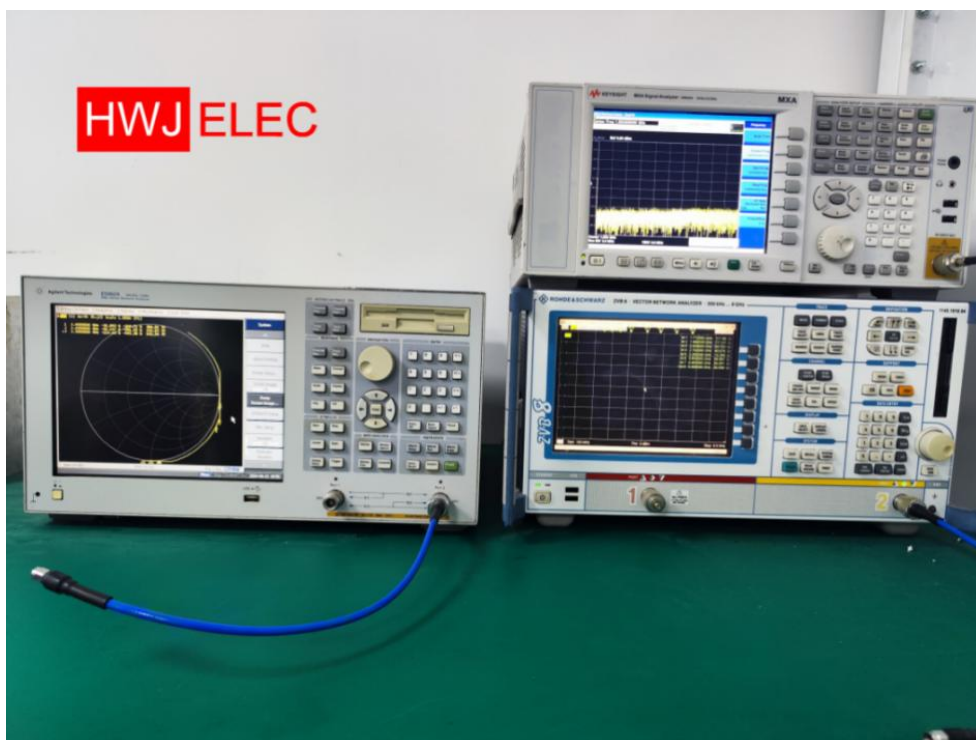
I. Matching and Calibration Data

Matching schematic diagram of the antenna after calibration

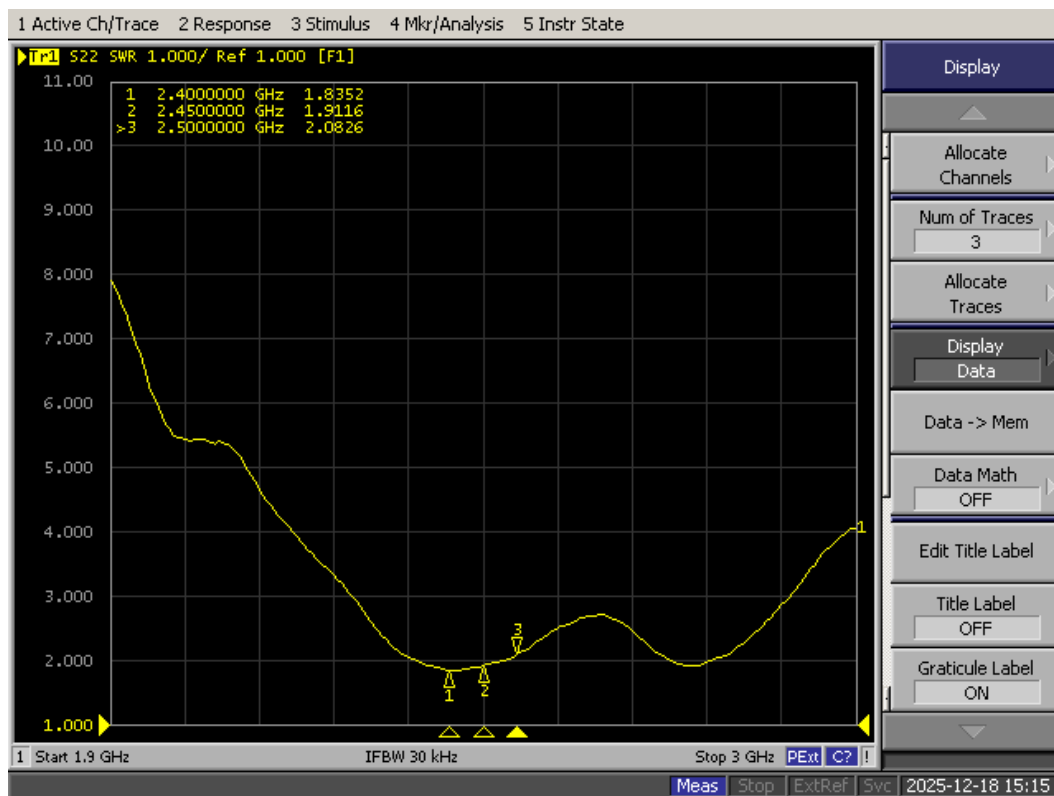
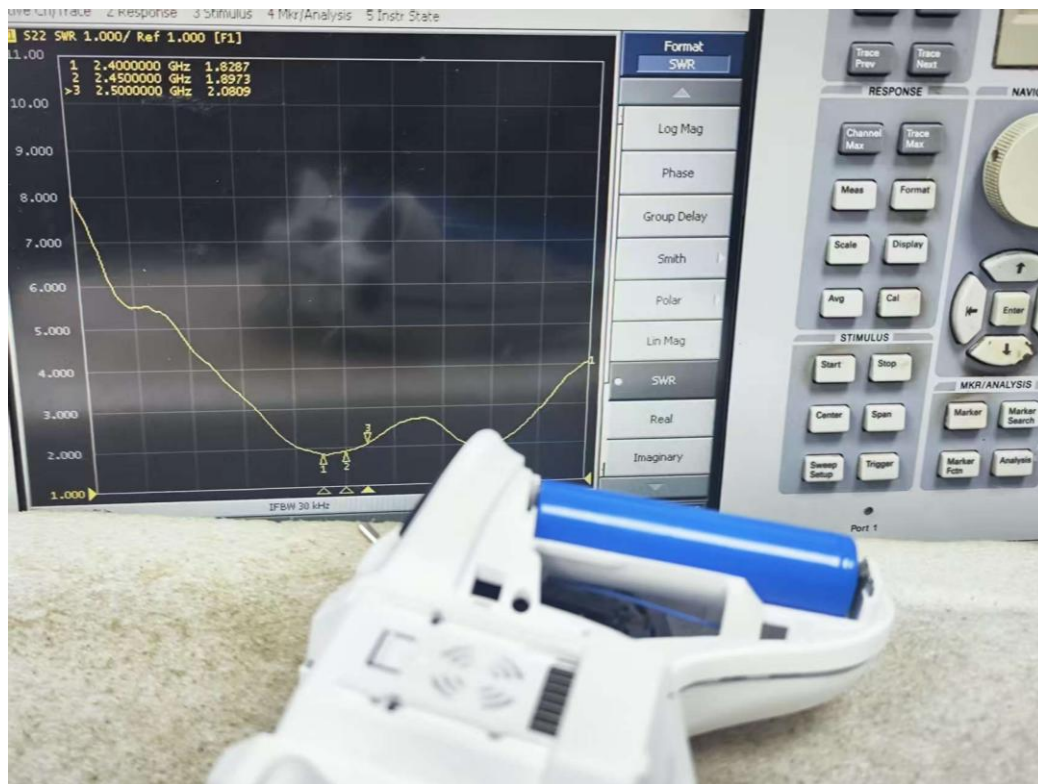


Note: The values of the peripheral components required by the RF chip reference design should be used in accordance with the reference design provided by the chip manufacturer. The above antenna matching components are independent of each other and cannot be replaced.

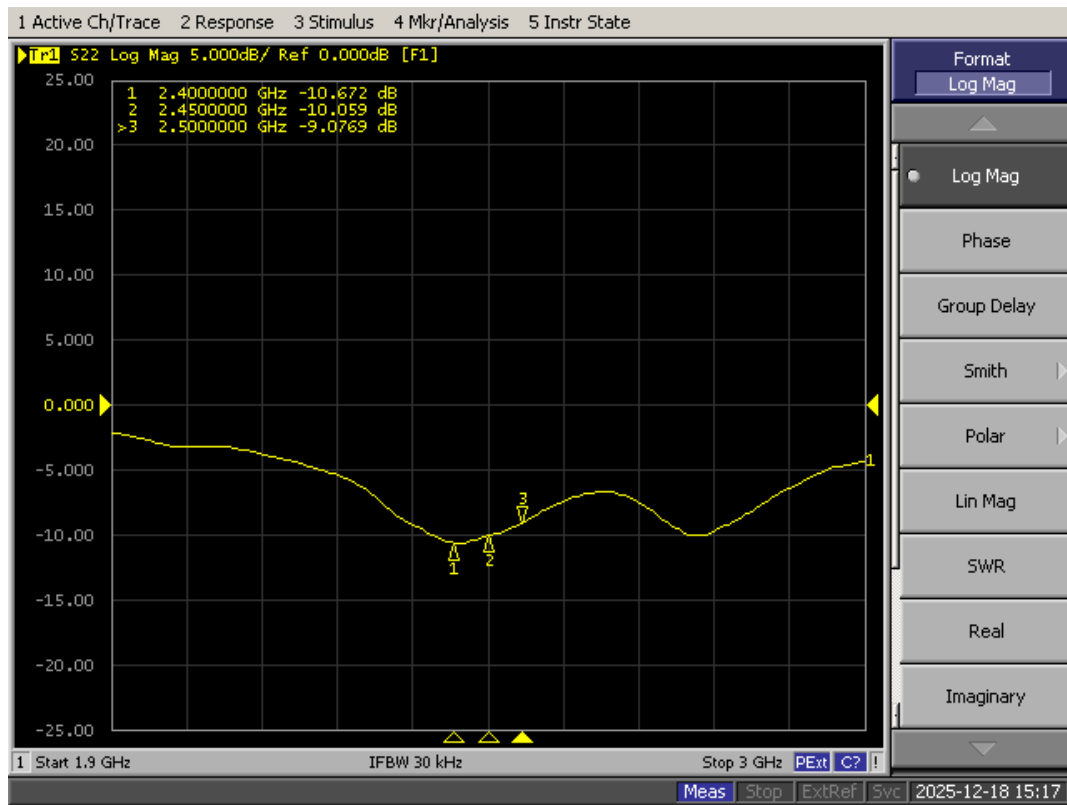
II S Parameter Testing



model: E5062A , ZVB8 , N9020A

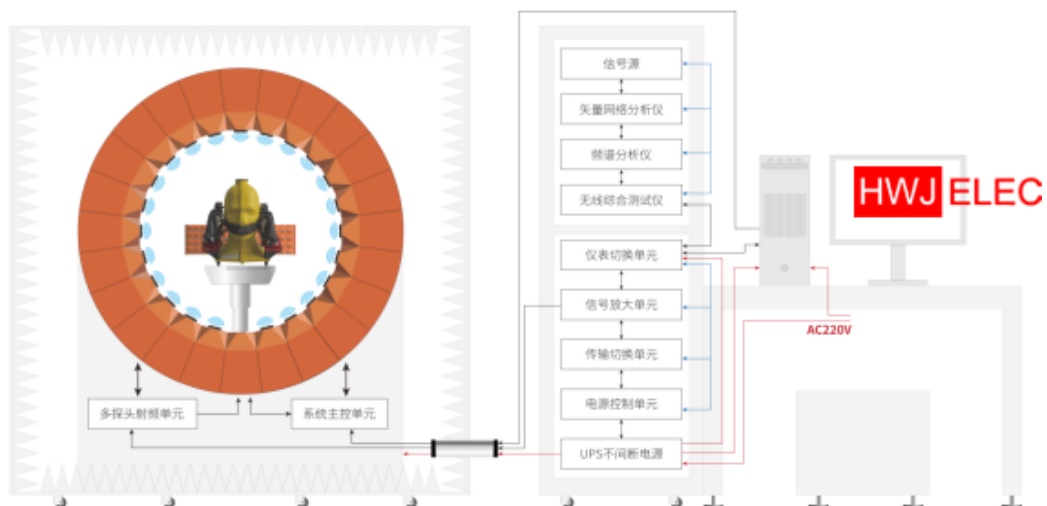


RL (return loss)



III 3D microwave anechoic chamber test

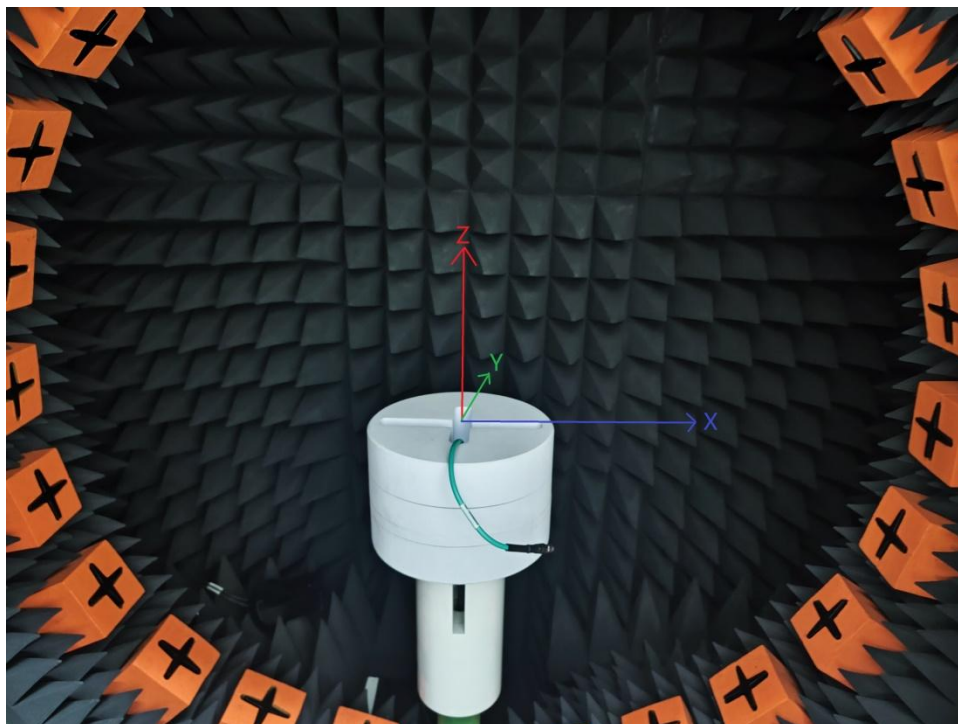




Equipment models: ATS-200, E5071C, CMW50

Gain and Efficiency Table

Frequency/Mhz	MaxGain/dBi	Efficiency / %
2400	1.58	36.98
2410	1.45	36.56
2420	1.11	34.75
2430	1.32	32.96
2440	1.18	35.16
2450	0.7	35.73
2460	0.55	33.34
2470	0.94	33.34
2480	1.26	32.96
2490	1.11	30.48
2500	1.1	27.86



3D directional diagram

2450MHz

