



好天线 · 优比造

东莞市优比电子有限公司

Dongguan UB Electronics Co., Ltd

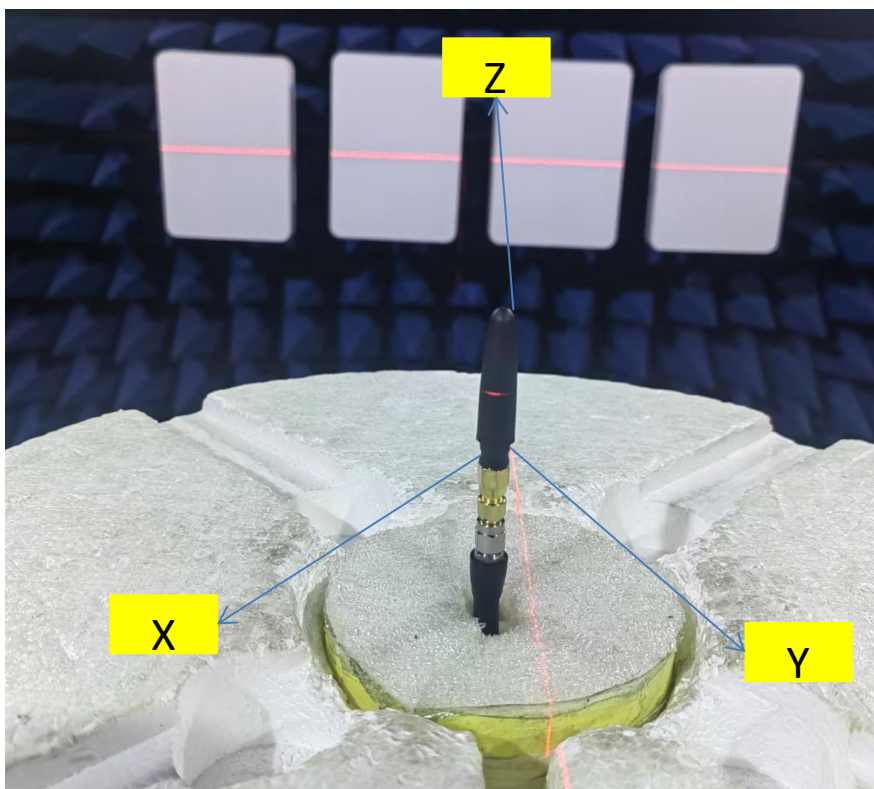
Antenna Study

- **Client Name: Shenzhen Hong xin Technology Electronics Co., LTD**
- **Project Name: 2.4G rubber stick antenna**
- **Model: HX-AP24-5010-D1**
- **Debugging frequency band: 2400-2500HMz**
- **Valuation date: 2025.05.29**

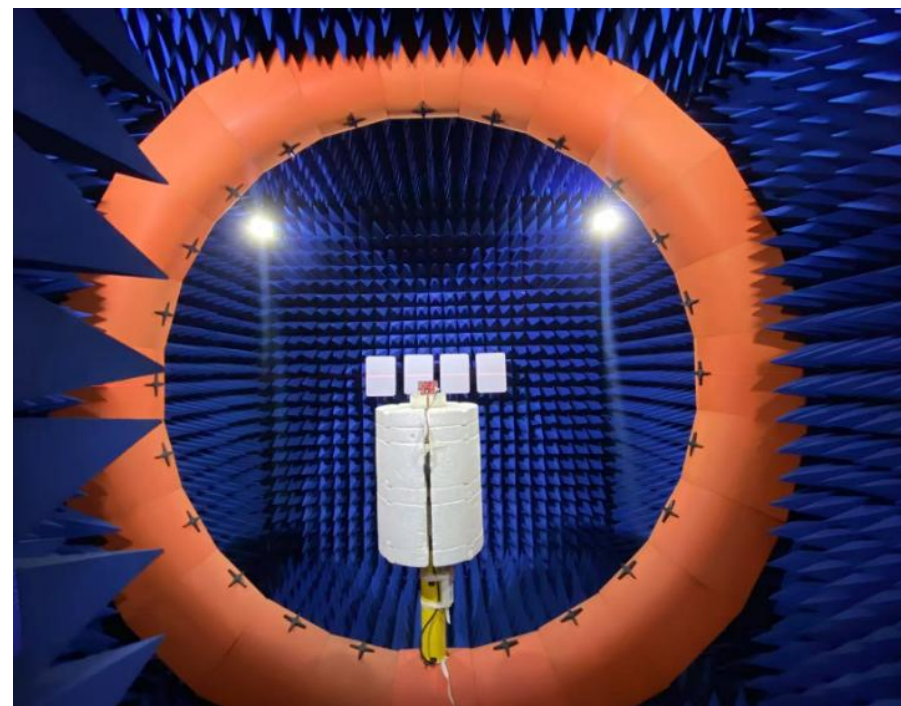
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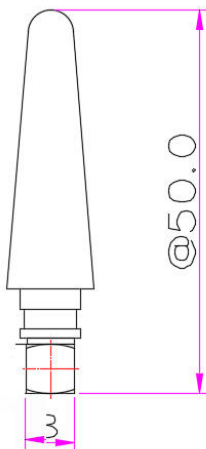
Testing environment



Testing 3D microwave darkroom(3m*3m*3m)

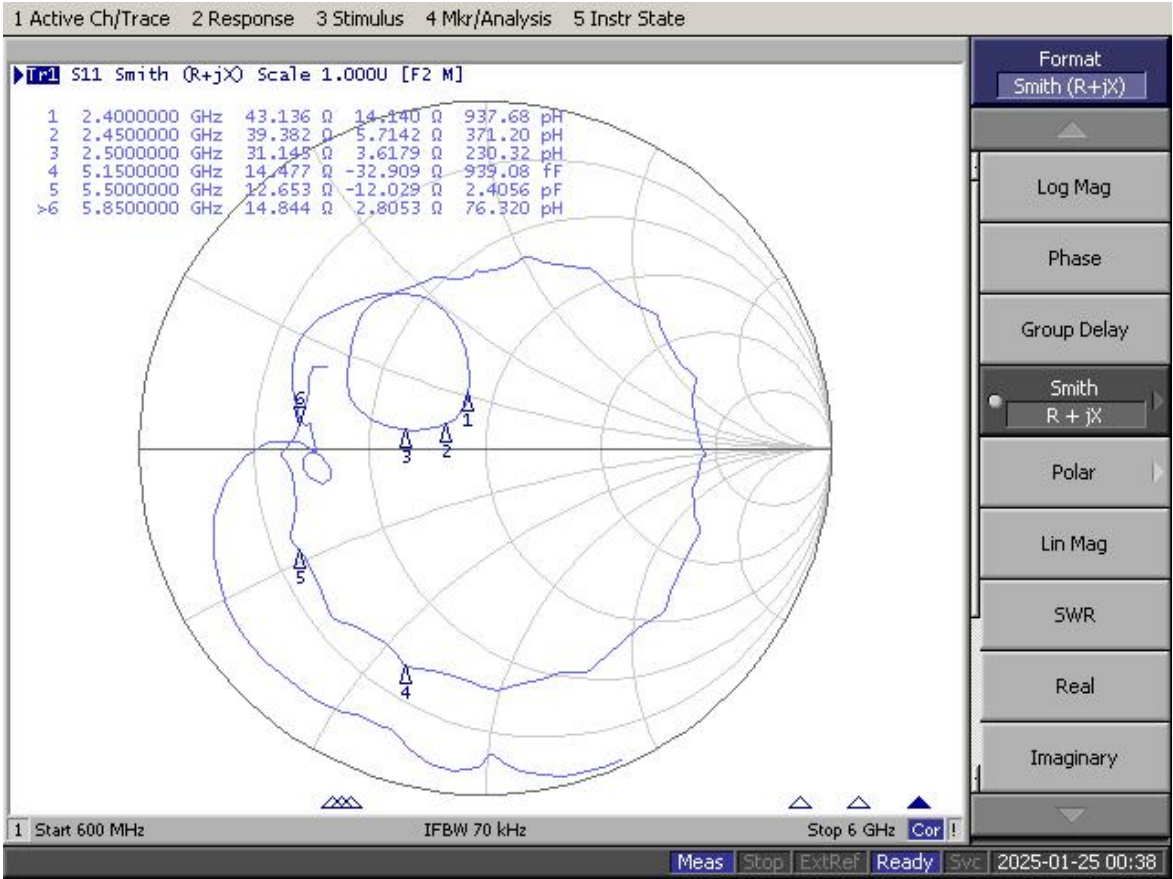
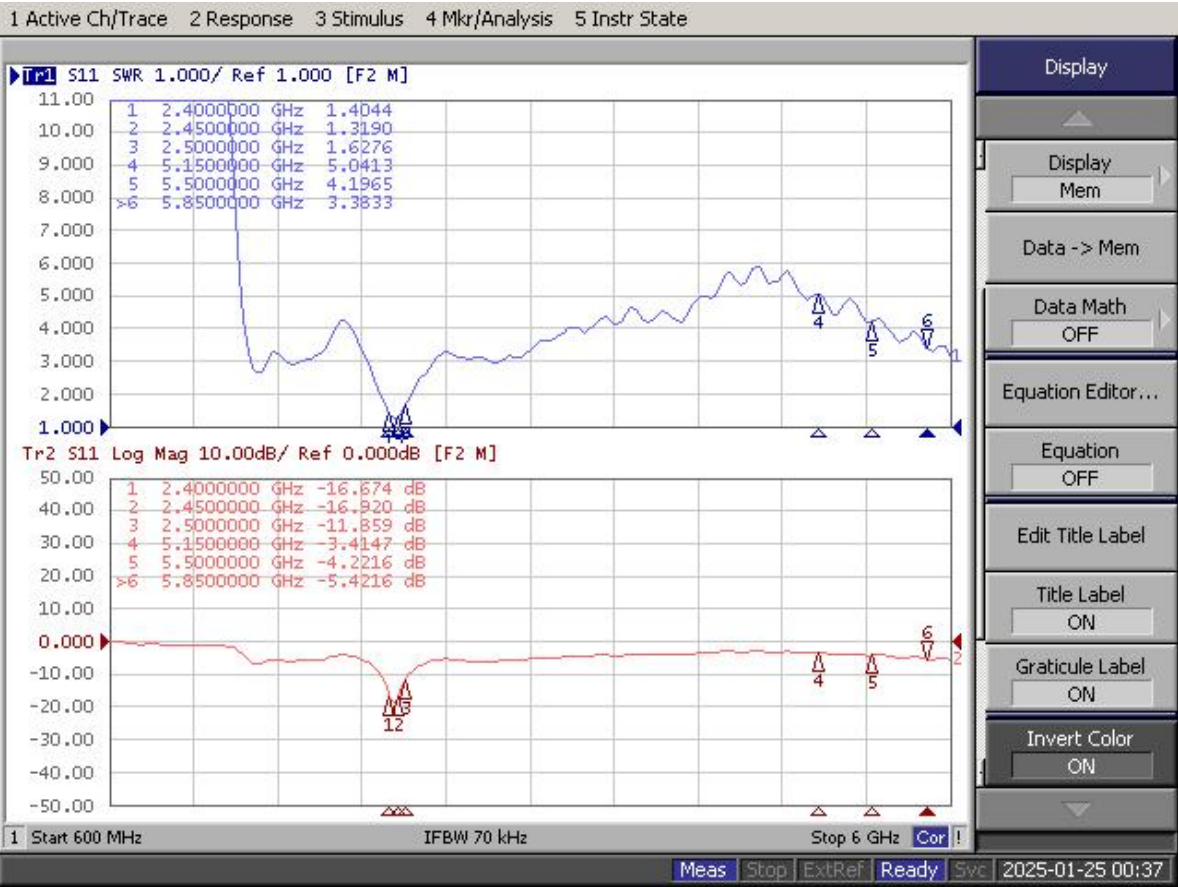


Antenna



- Antenna name: 2.4G
- Covers : 2400/2500MHz

S Parameter_Return Loss&VSWR-Smith



Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain (dBi)	4.06	3.92	3.84	4.00	3.89	3.90	3.89	3.81	4.00	4.17	4.30
Efficiency (%)	61.21	60.36	59.78	60.72	59.09	60.44	62.79	64.35	66.77	67.33	68.60

