



好天线 · 优比造

东莞市优比电子有限公司

Dongguan UB Electronics Co., Ltd

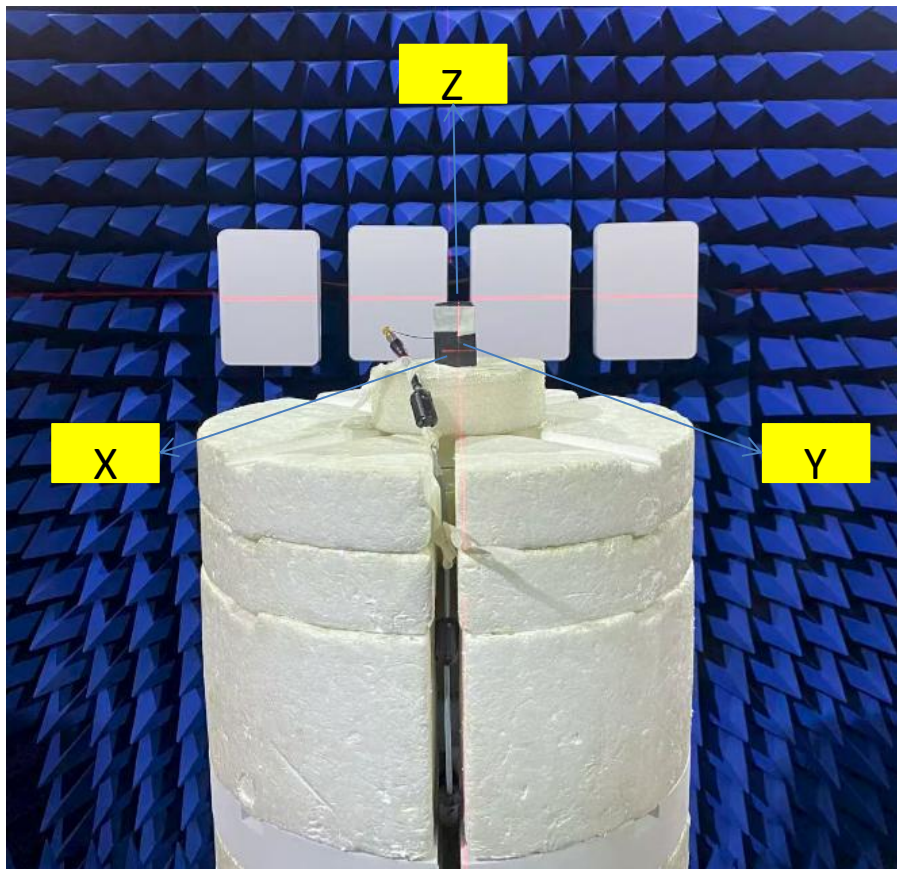
Antenna Study

- **Client Name: Hangzhou Langhong Technology Co.,LTD**
- **Project Name: Antenna**
- **Model: 2.4G antenna**
- **Debugging frequency band: 2400-2500HMz**
- **Valuation date: 2025.08.16**

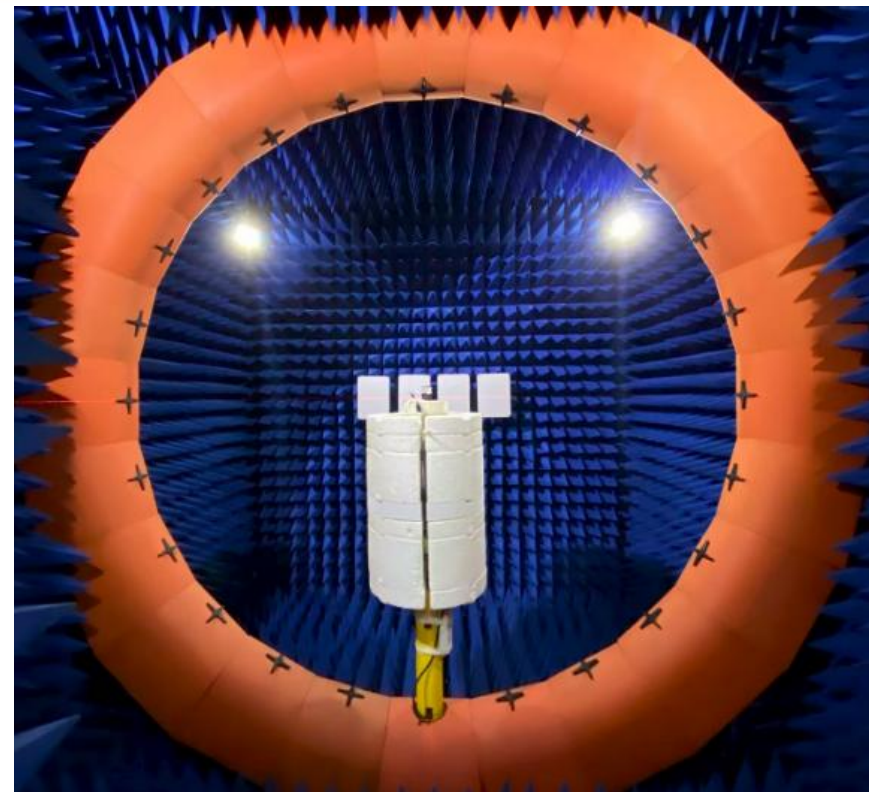
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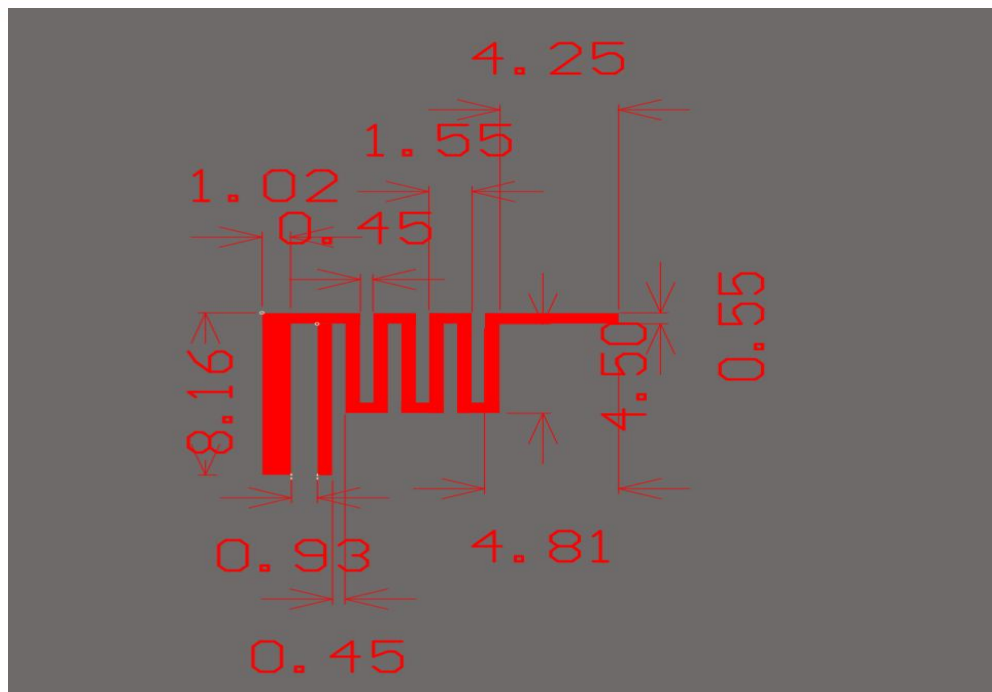


Testing environment

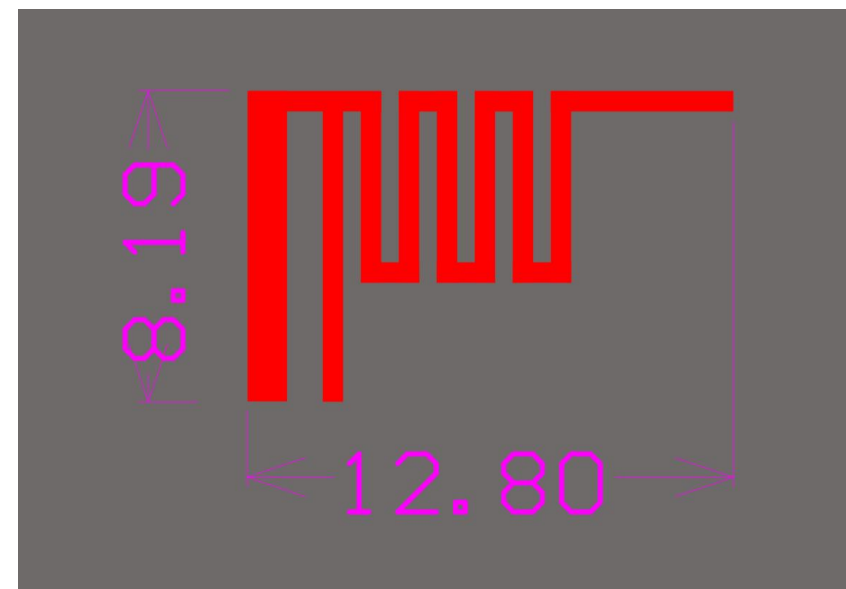


Testing 3D microwave darkroom(3m*3m*3m)

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

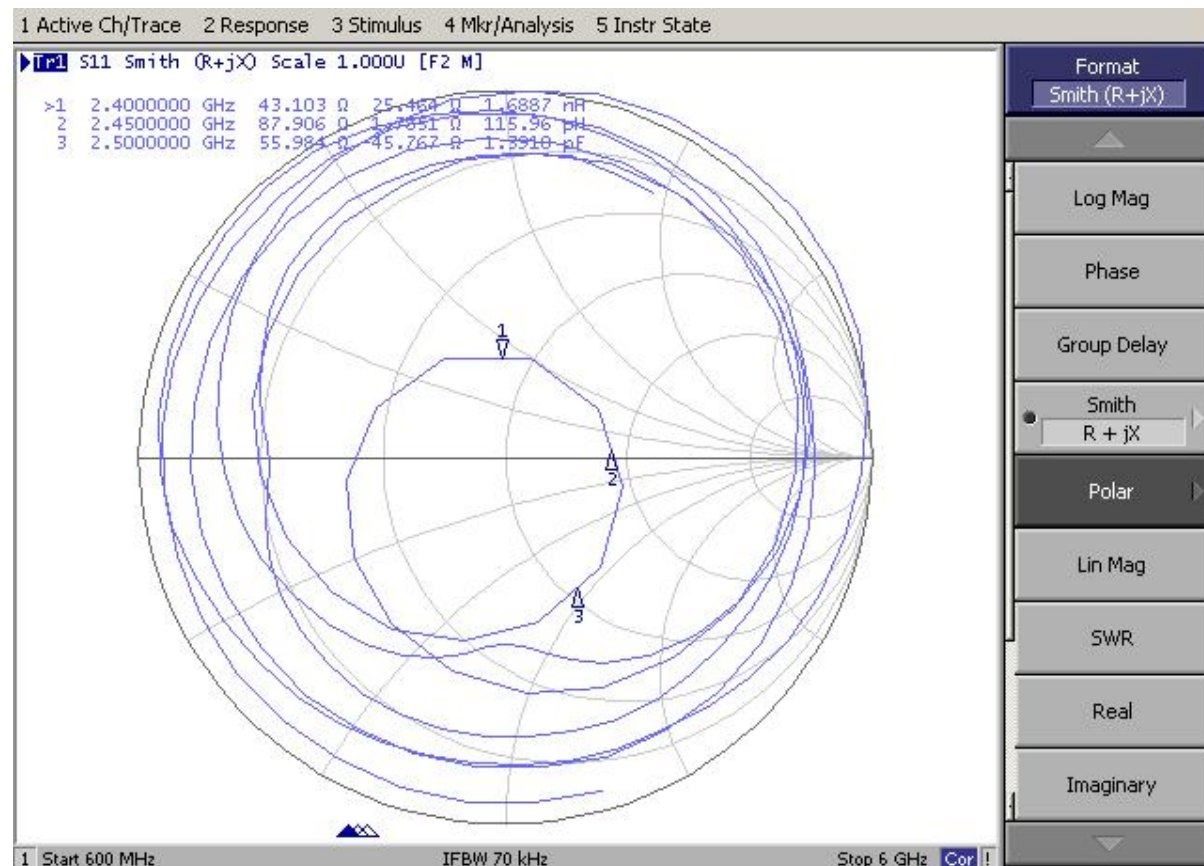
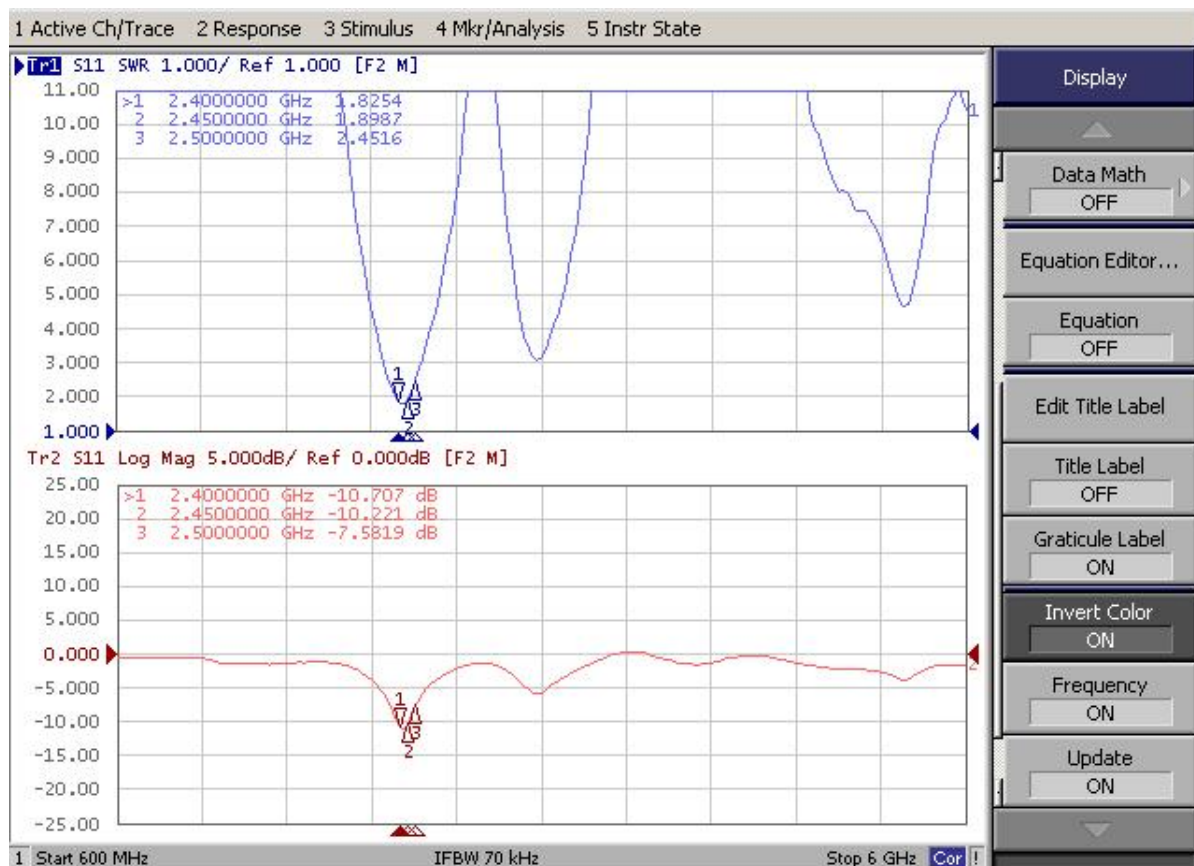


Antenna



S Parameter_Return Loss&VSWR-Smith

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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)	0.83	0.89	0.75	0.64	0.45	0.25	0.18	-0.04	0.02	-0.21	-0.06
Efficiency (%)	43.93	46.18	45.80	45.68	44.92	43.11	42.21	39.04	38.13	34.81	35.56