



好天线 · 优比造

东莞市优比电子有限公司

Dongguan UB Electronics Co., Ltd

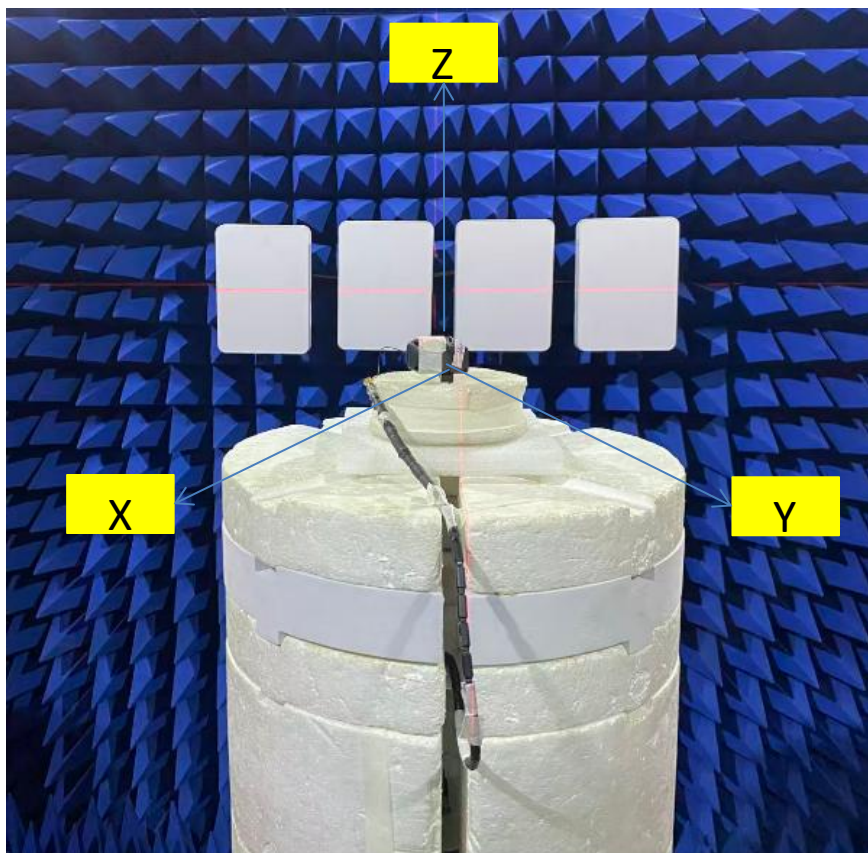
Antenna Study

- **Client Name: shenzhen lizhixin technology co,ltd**
- **Project Name: Remote controller**
- **Model: RC-01**
- **Debugging frequency band: 2400-2500HMz**
- **Valuation date: 2025.11.11**

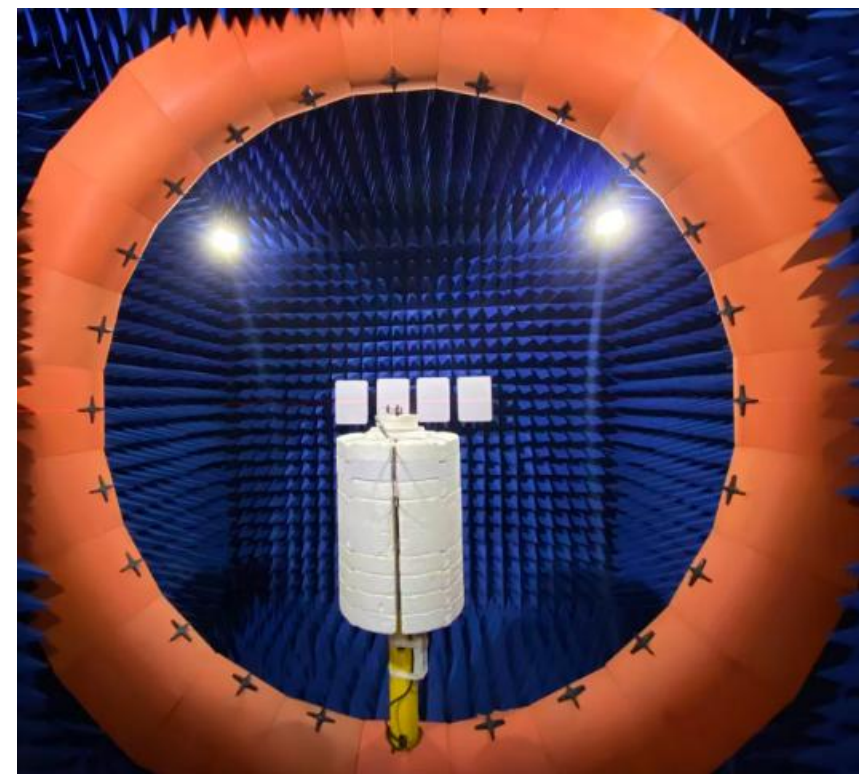
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Testing environment



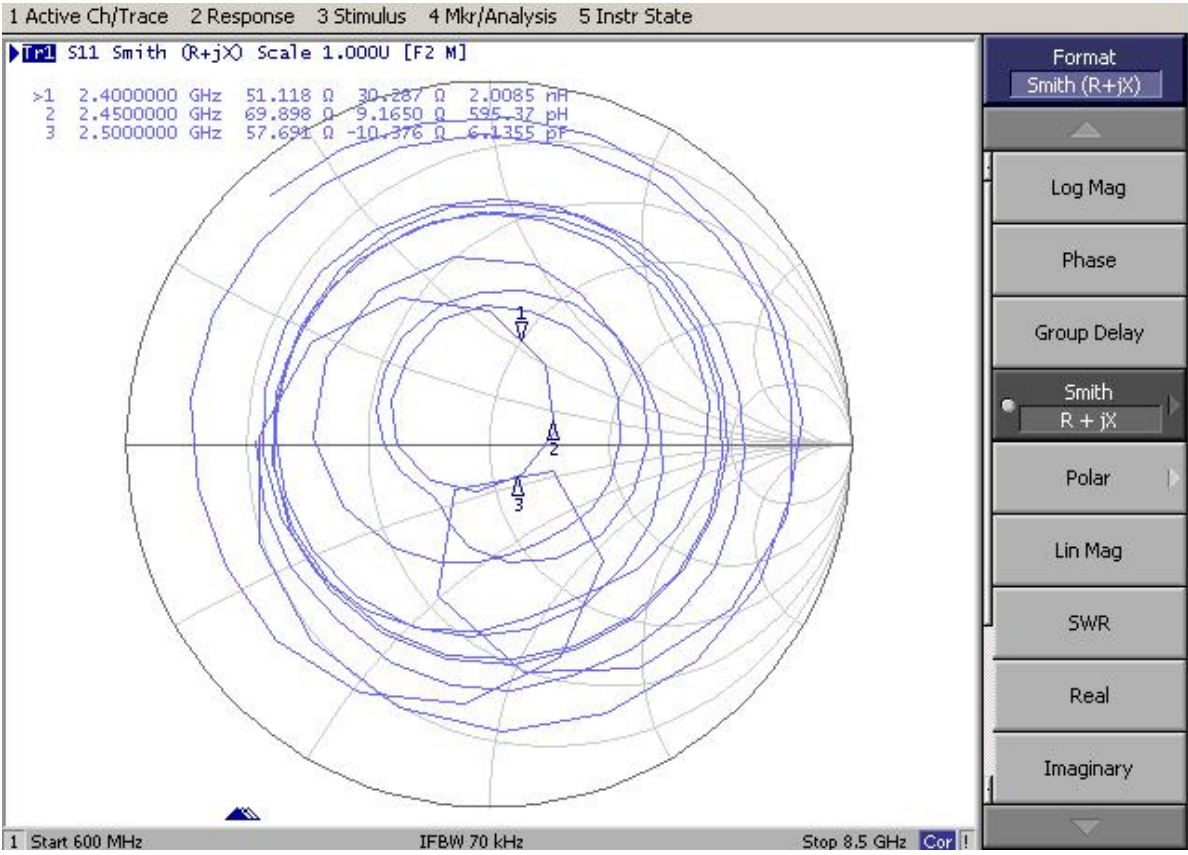
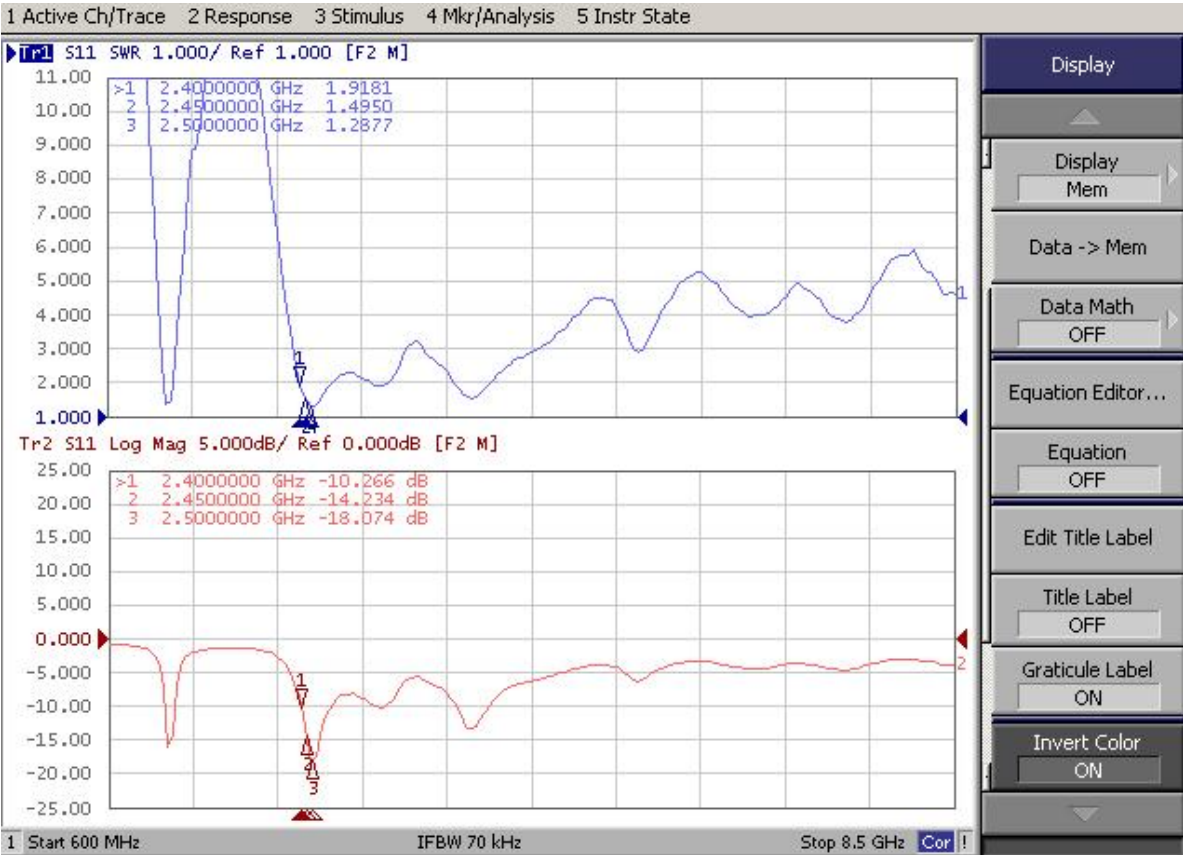
Testing 3D microwave darkroom(3m*3m*3m)



Antenna

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

S Parameter_Return Loss&VSWR-Smith



Efficiency and Gain

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)	-6.90	-6.43	-6.44	-6.05	-6.24	-6.07	-6.19	-5.99	-6.12	-5.87	-5.82
Efficiency (%)	8.21	8.98	8.98	10.13	10.30	11.29	11.32	11.86	11.49	12.04	11.97

