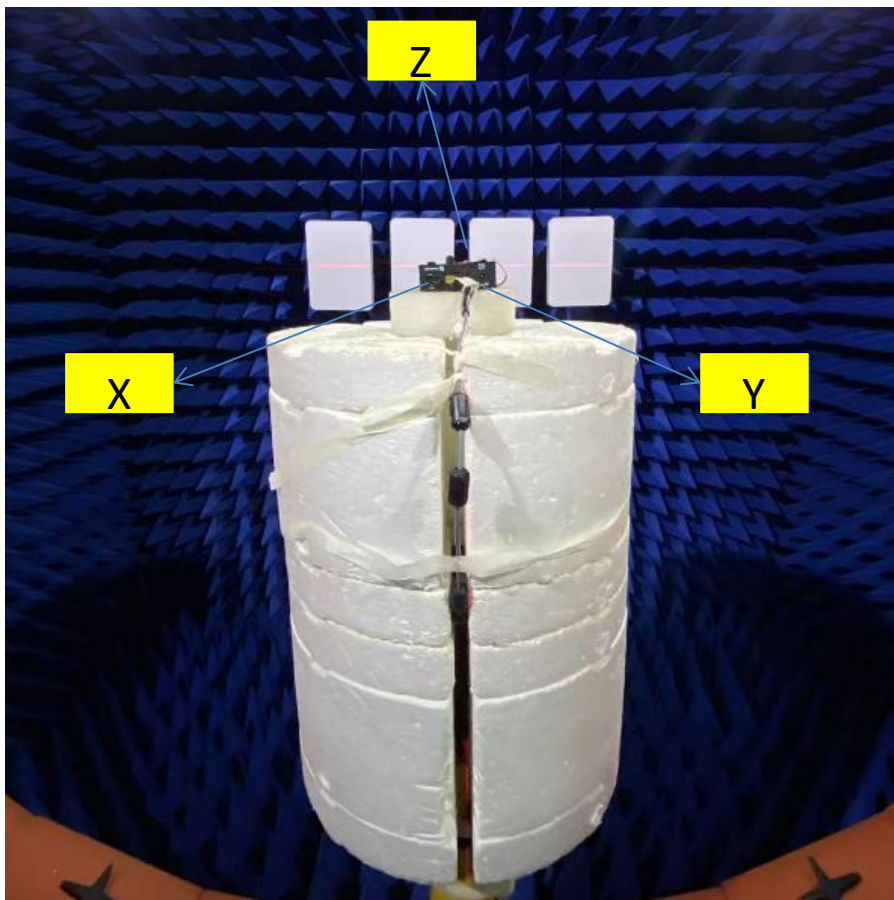
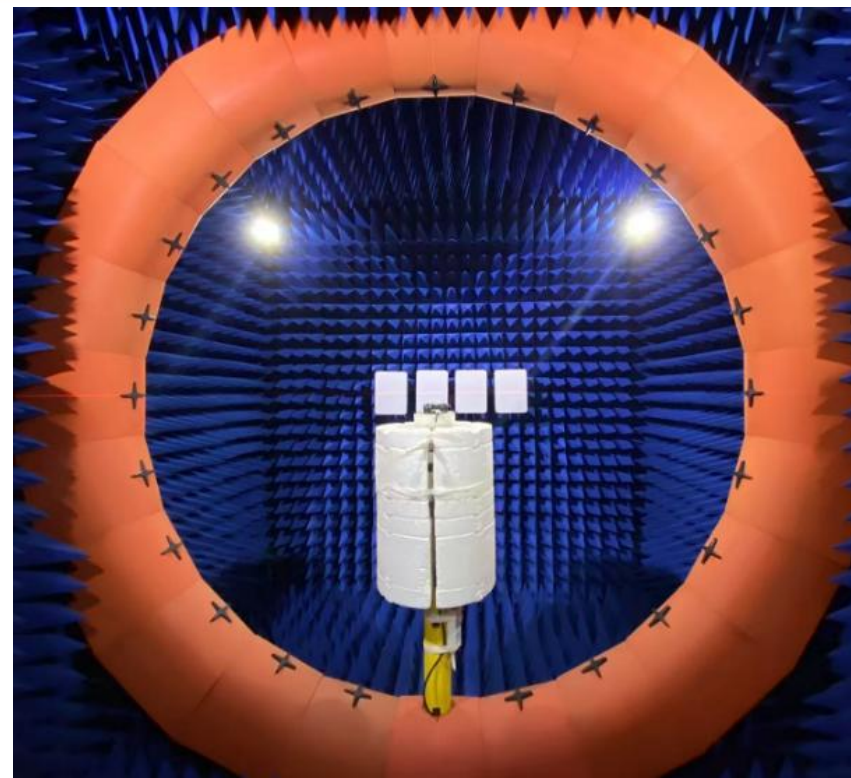


Antenna Study

- **Client Name:UNDALOGIC LTD**
- **Project Name: miniSMU**
- **Model: MS01**
- **Debugging frequency band: 2400-2500HMz**
- **Valuation date: 2025.03.22**



Testing environment



Testing 3D microwave darkroom(6m*6m*6m)

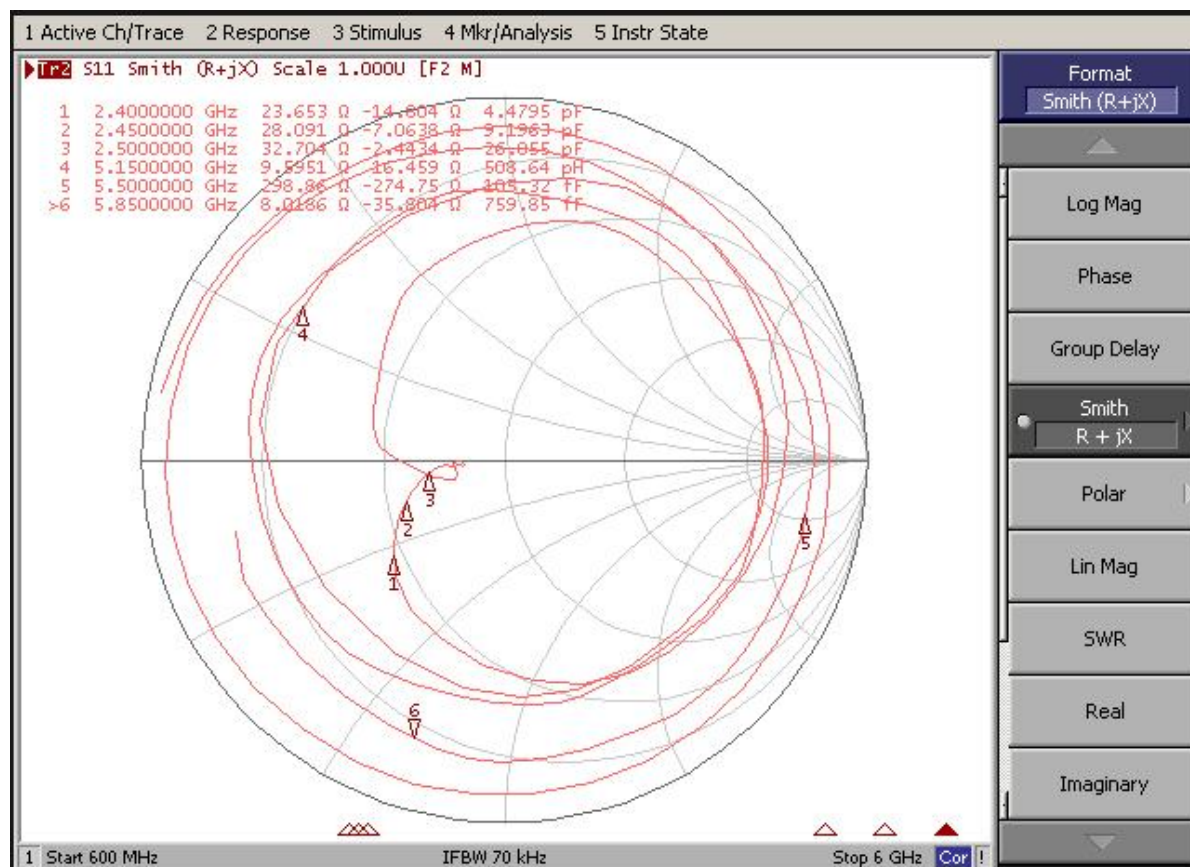


- Antenna name: 2.4G
- Covers : 2400/2500MHz

Antenna

S Parameter_Return Loss&VSWR-Smith

Dongguan UB Electronics Co., Ltd



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)	-0.01	0.25	0.32	0.48	0.36	0.45	0.52	0.73	1.00	1.34	1.45
Efficiency (%)	46.51	48.96	50.52	53.58	53.52	55.02	56.10	56.63	57.79	60.84	62.97

