



好天线 · 优比造

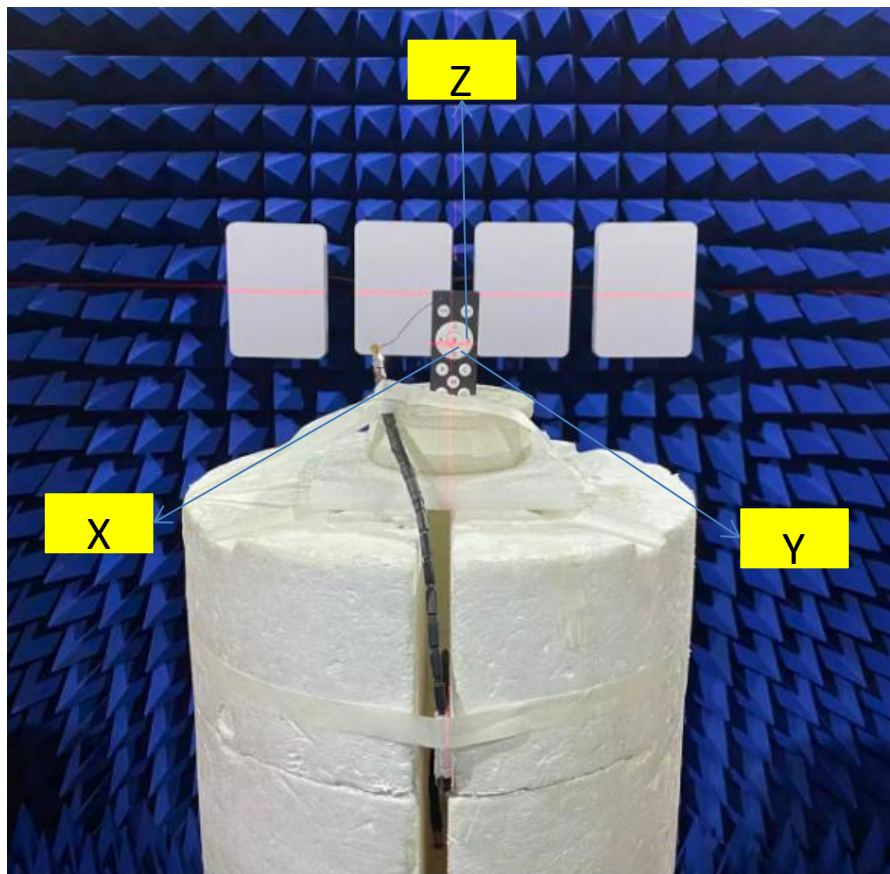
东莞市优比电子有限公司

Dongguan UB Electronics Co., Ltd

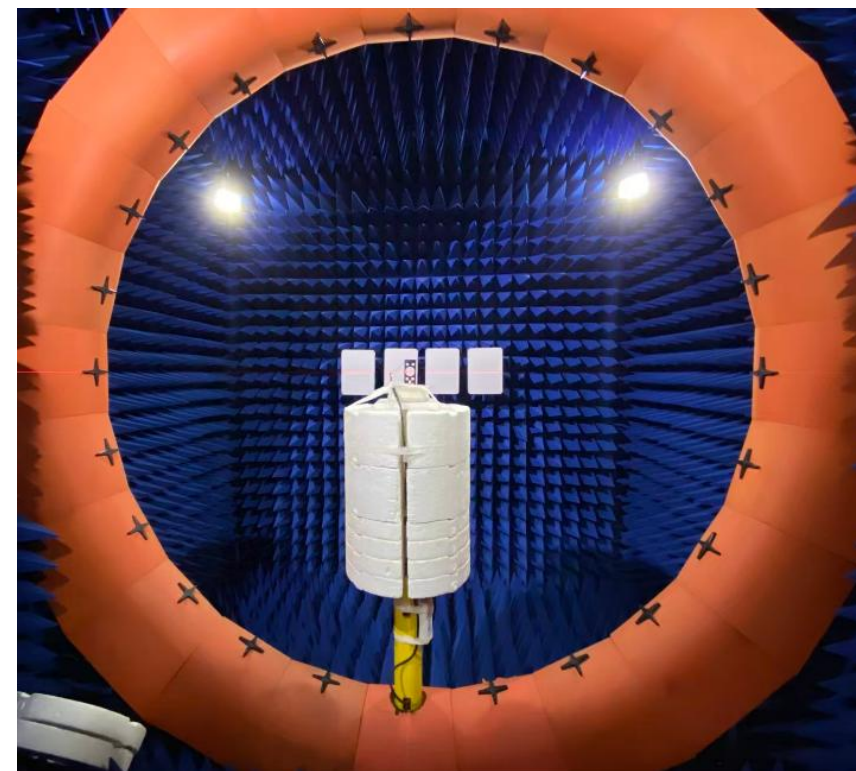
Antenna Study

- **Client Name: RAYMANLIGHTSINC.**
- **Project Name: SolarColorChangingwall light**
- **Model: RMWL01202HRS**
- **Debugging frequency band: 2400-2500HMz**
- **Valuation date: 2025.10.31**

Address: Building 79, New Sun Industrial City, Lin Village Community, Tangxia Town, Dongguan (Dongguan Company) Phone: 0769-81777126



Testing environment



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

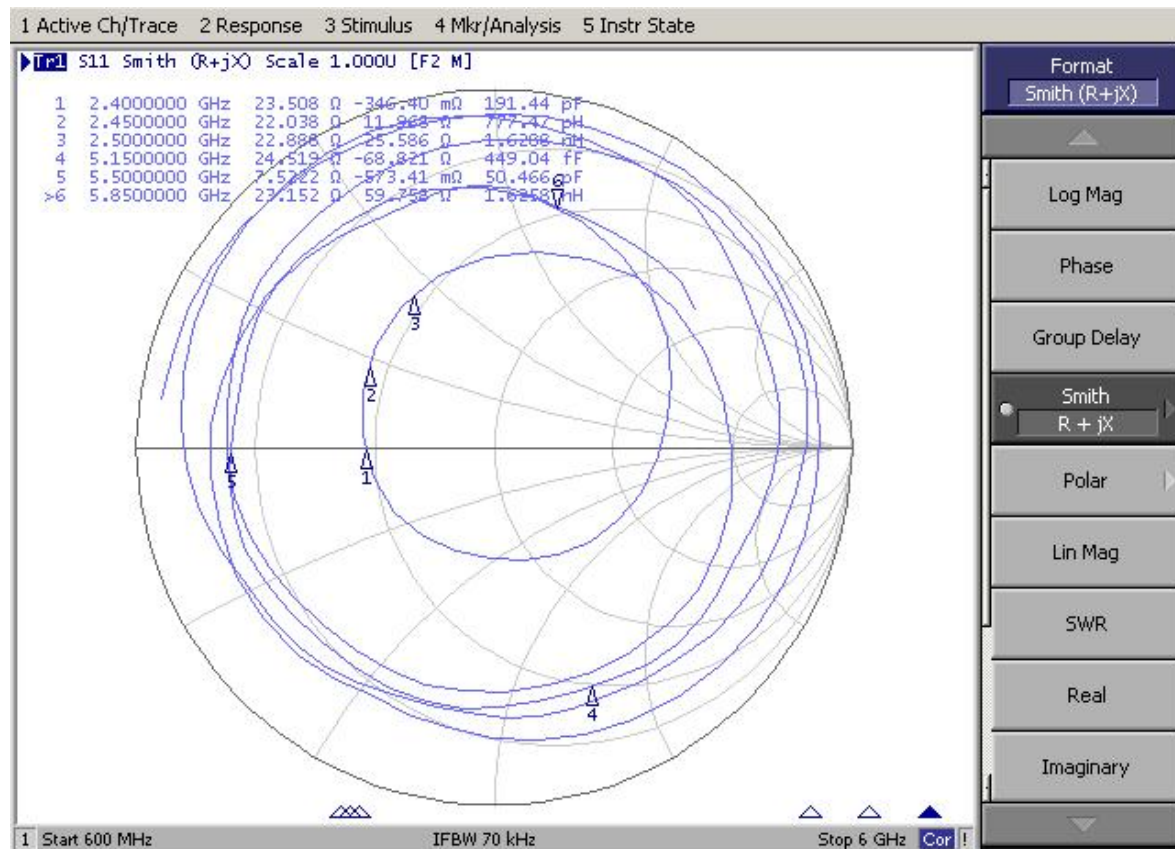
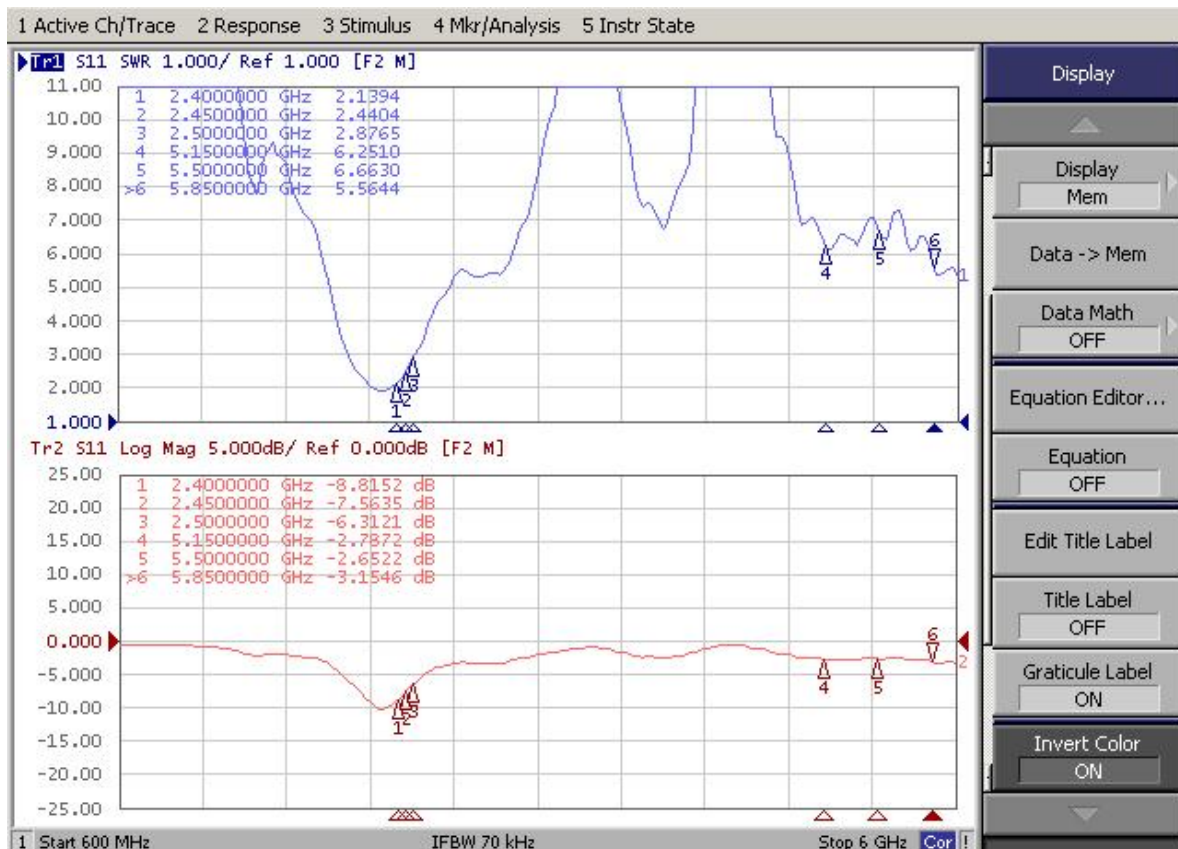


Antenna

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

S Parameter_Return Loss&VSWR-Smith

Dongguan UB Electronics Co., Ltd



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)	-2.20	-2.47	-2.81	-3.36	-3.19	-3.28	-2.97	-3.15	-2.83	-2.96	-2.91
Efficiency (%)	17.86	17.46	17.05	15.53	16.06	15.17	15.85	15.08	15.76	14.86	15.00

