



东莞市优比电子有限公司

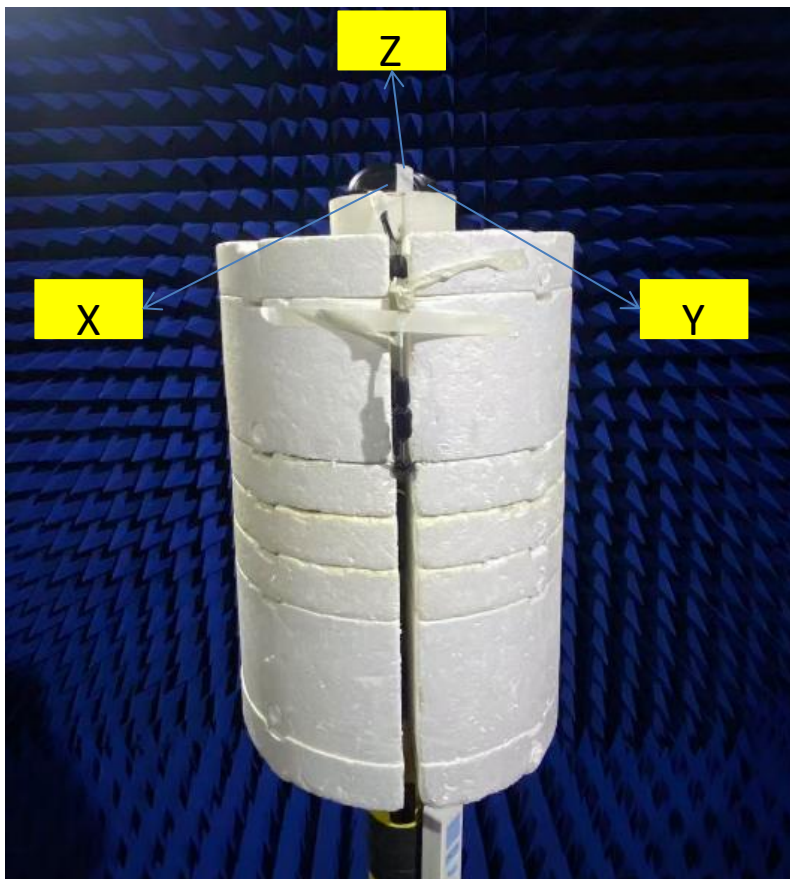
好天线 · 优比造

Dongguan UB Electronics Co., Ltd

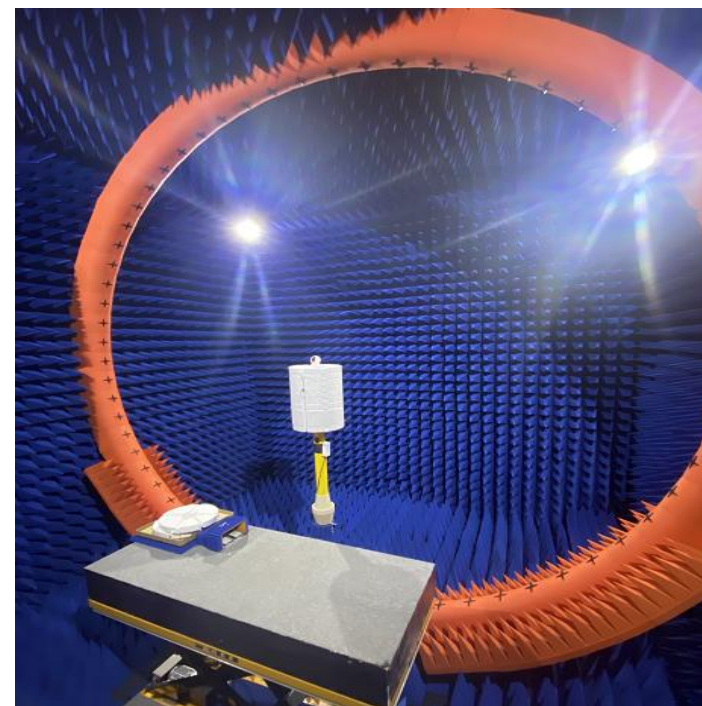
Address: Building 79, New Sun Industrial City, Lincun Community, Tangxia Town, Dongguan City

Antenna Study

- **Client Name:** Zaidtek Electronic Technology (Xiamen) Co., Ltd.
- **Project Name:** 无线鼠标
- **Model:** HK8013, HM8190
- **Debugging frequency band:** 2400-2500MHz
- **Valuation date:** 2025.02.21



Testing environment



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

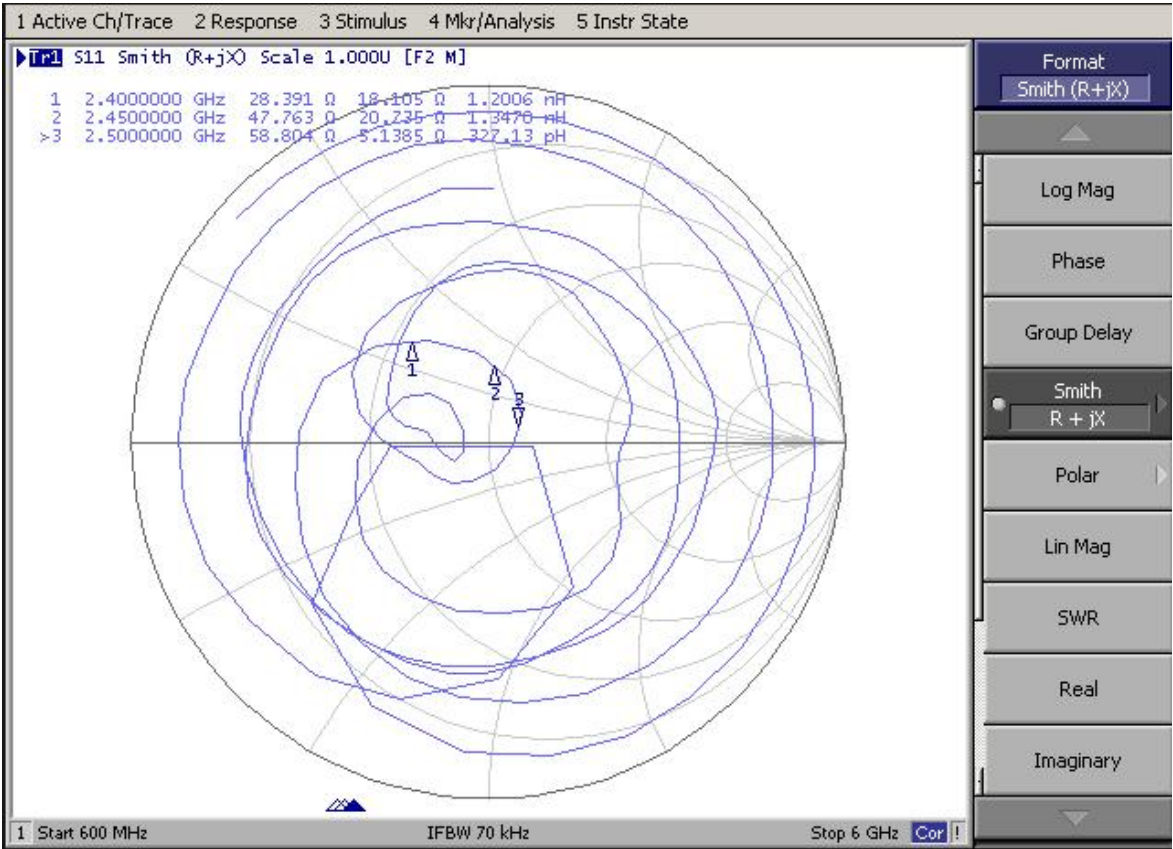
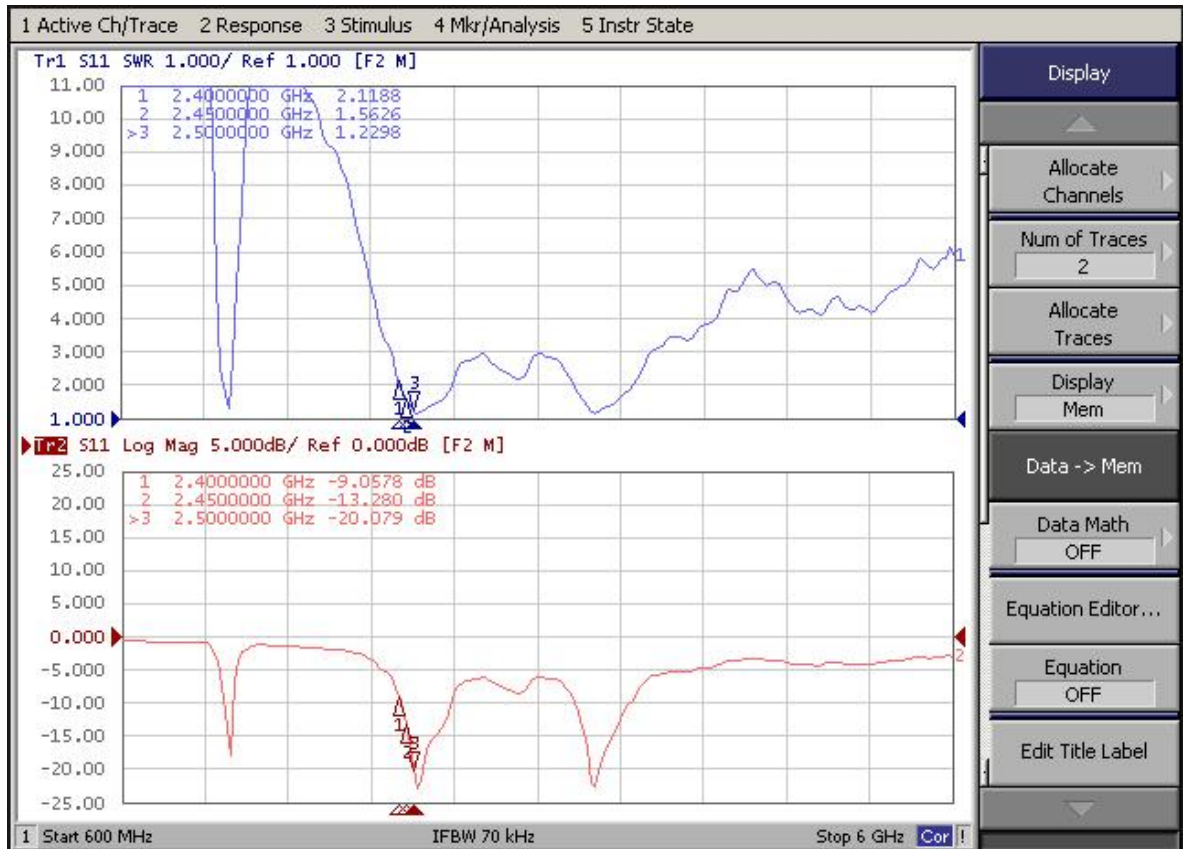
- Antenna name: 2.4G
- Covers : 2400/2500MHz



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)	0.42	0.38	0.04	0.12	-0.02	0.08	0.34	0.63	0.79	0.96	1.16
Efficiency (%)	24.10	24.75	23.99	25.23	24.67	25.31	26.60	28.31	30.45	33.02	35.94

