



好天线 · 优比造

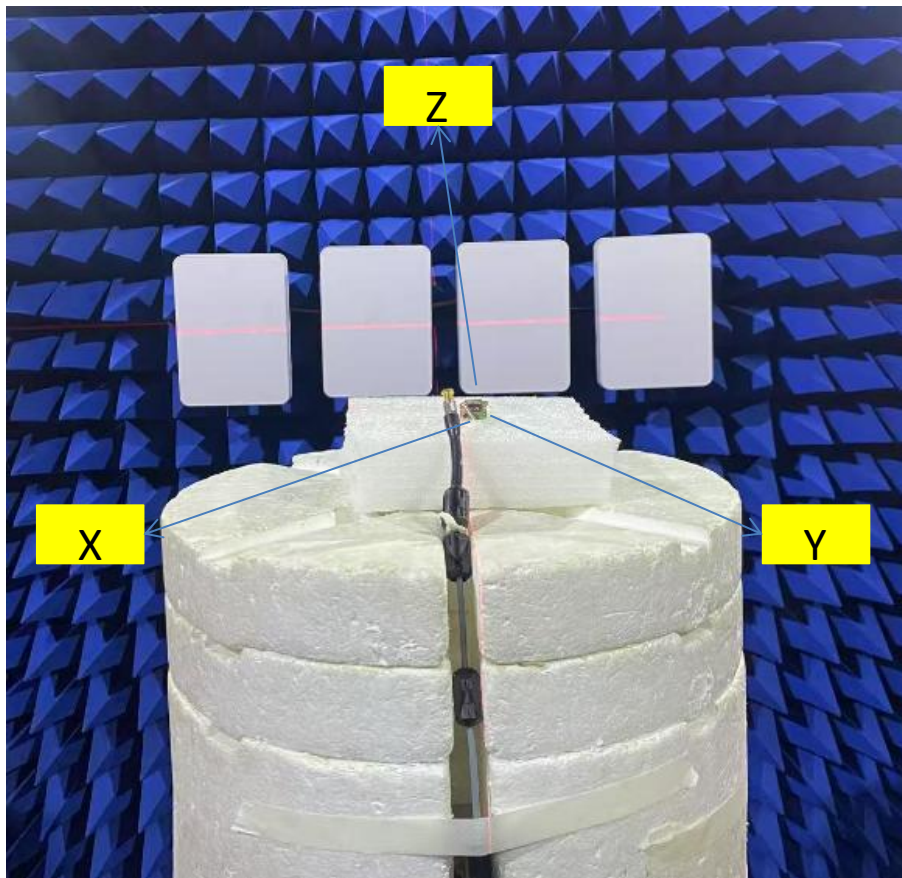
东莞市优比电子有限公司

Dongguan UB Electronics Co., Ltd

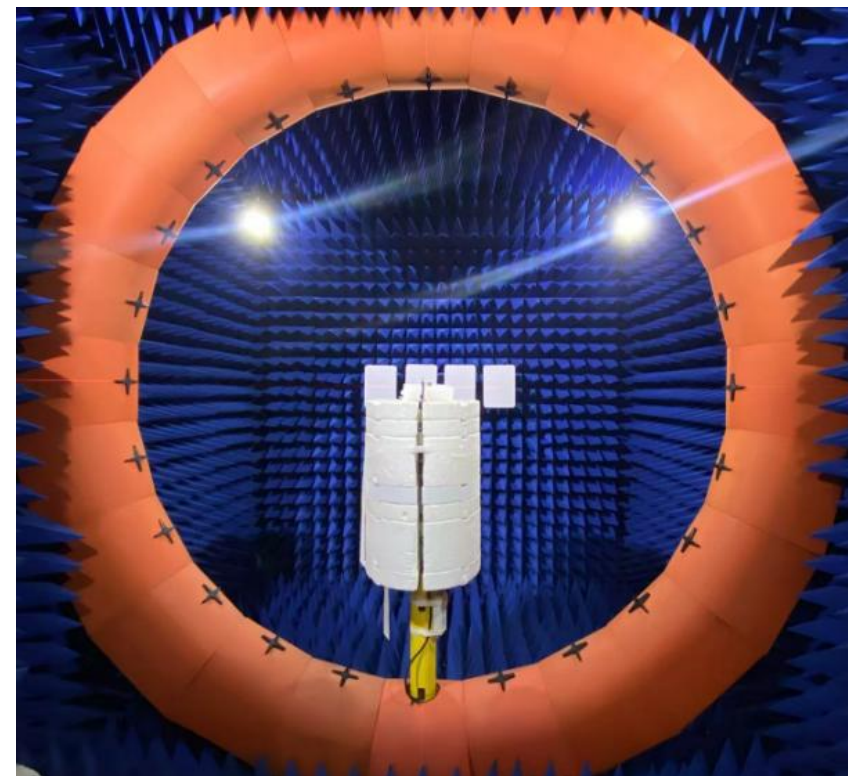
Antenna Study

- **Client Name: The Wheel Group**
- **Project Name: sensor**
- **Model: sensor**
- **Debugging frequency band: 2400-2500HMz**
- **Valuation date: 2024.07.10**

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



Testing environment



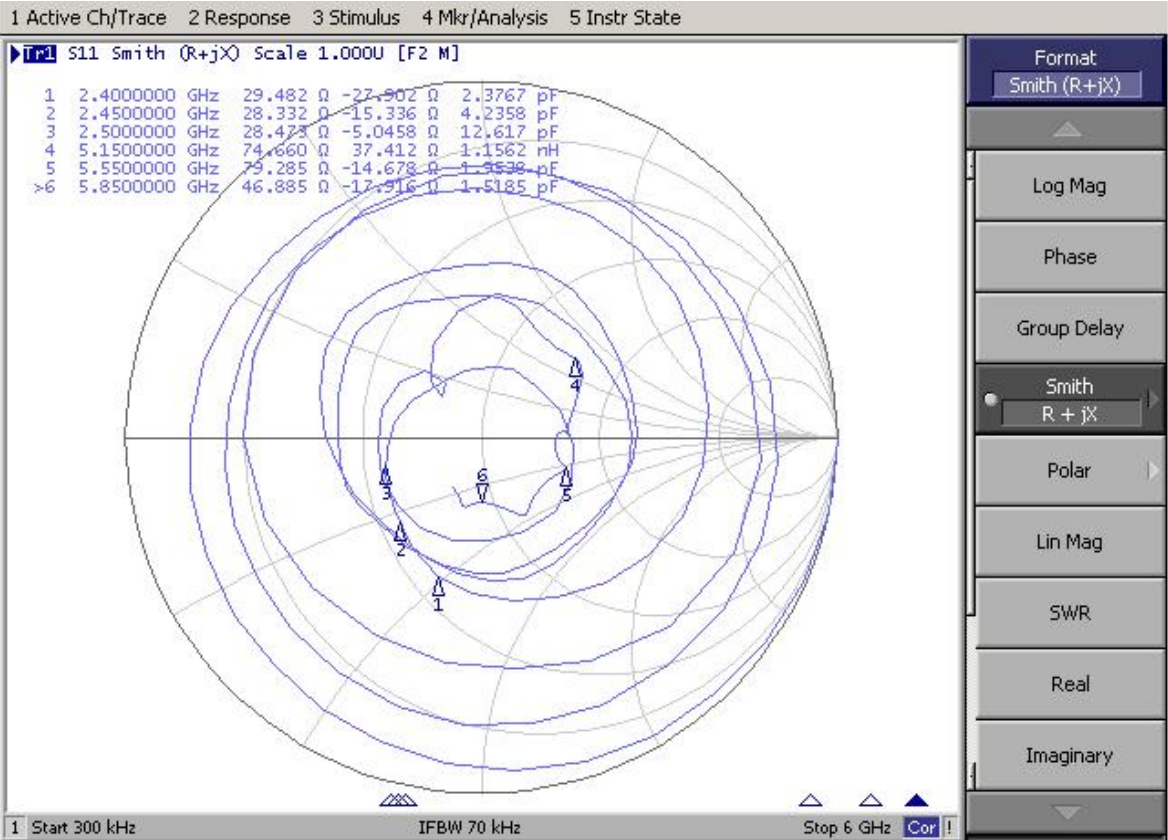
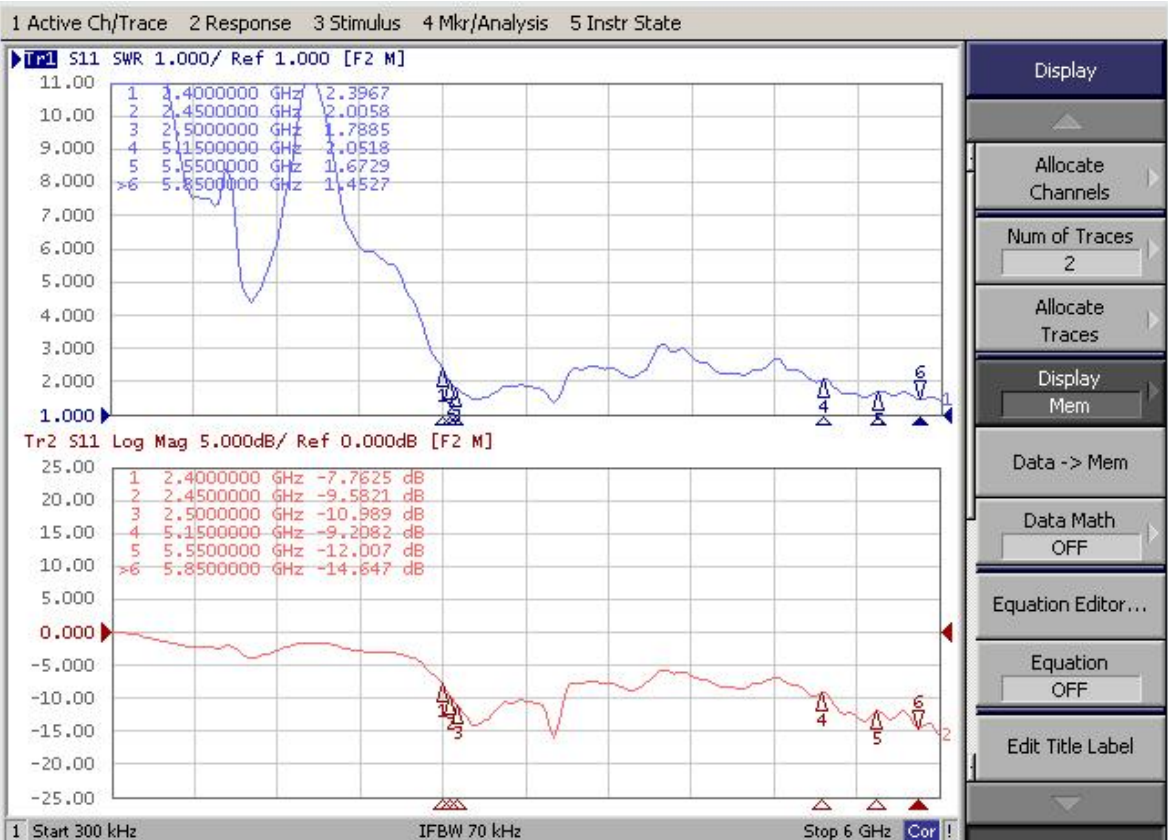
Testing 3D microwave darkroom(3m*3m*3m)



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

Antenna

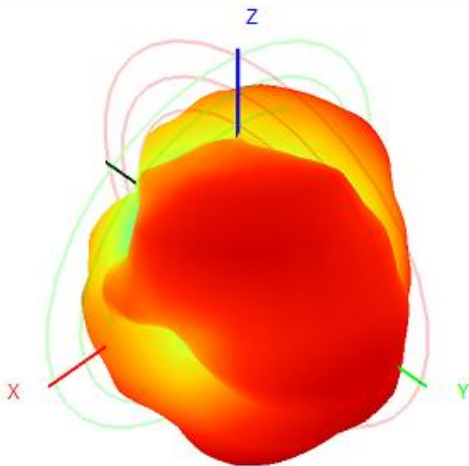
S Parameter_Return Loss&VSWR-Smith



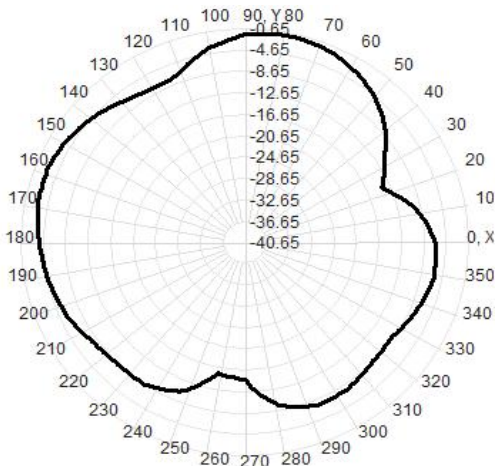
Efficiency and Gain

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)	0.54	0.98	0.94	0.71	0.57	0.71	1.01	1.26	1.12	1.04	1.16
Efficiency (%)	39.82	40.52	40.83	42.40	42.39	43.67	45.88	47.35	46.50	46.37	48.60

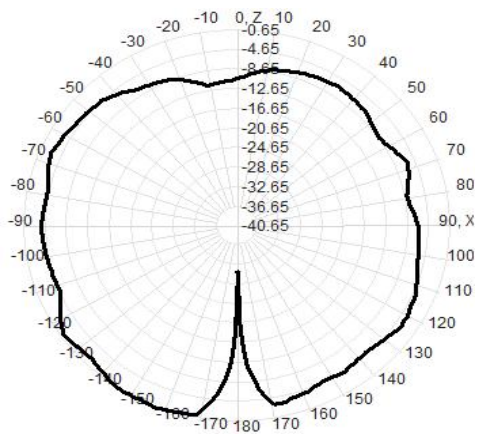
2D/3D方向图



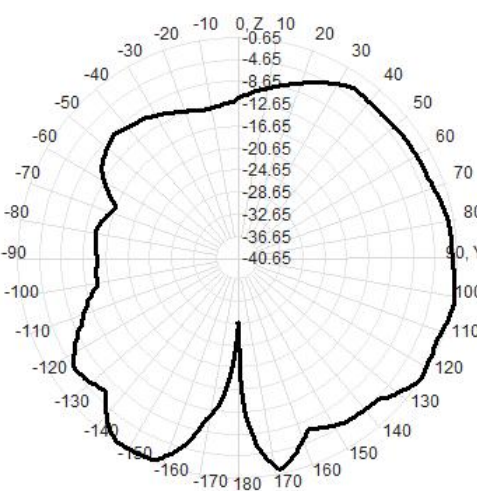
远场方向图



H-XY



E1-XZ



E2-YZ

