



好天线 · 优比造

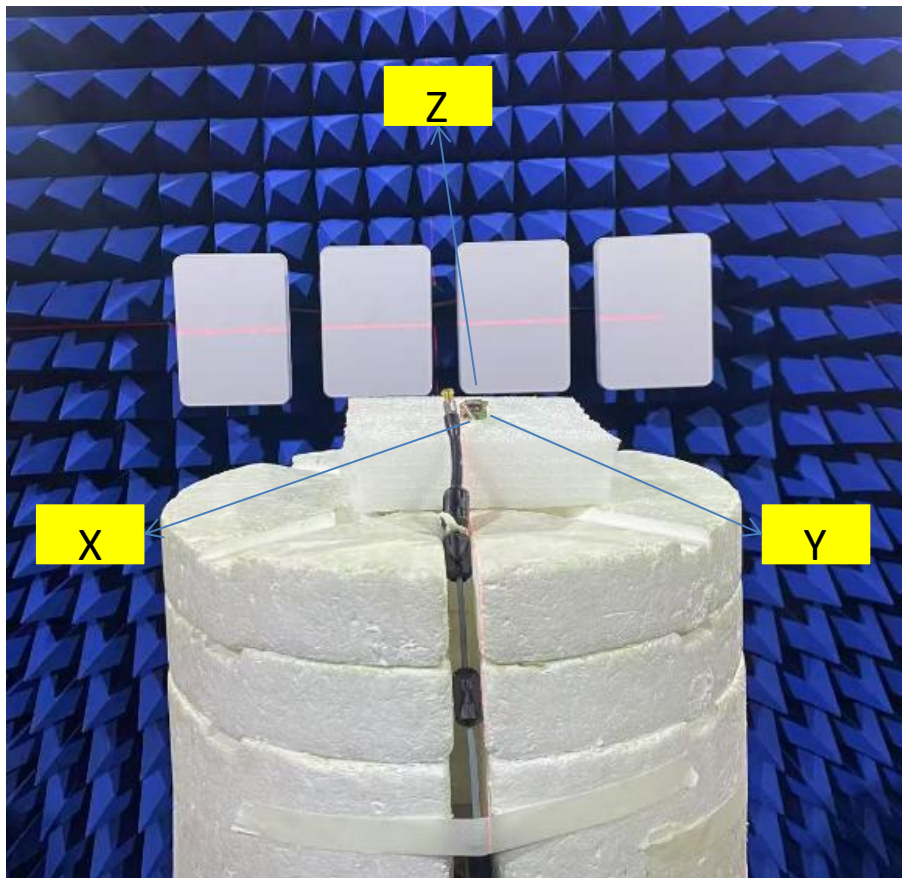
东莞市优比电子有限公司

Dongguan UB Electronics Co., Ltd

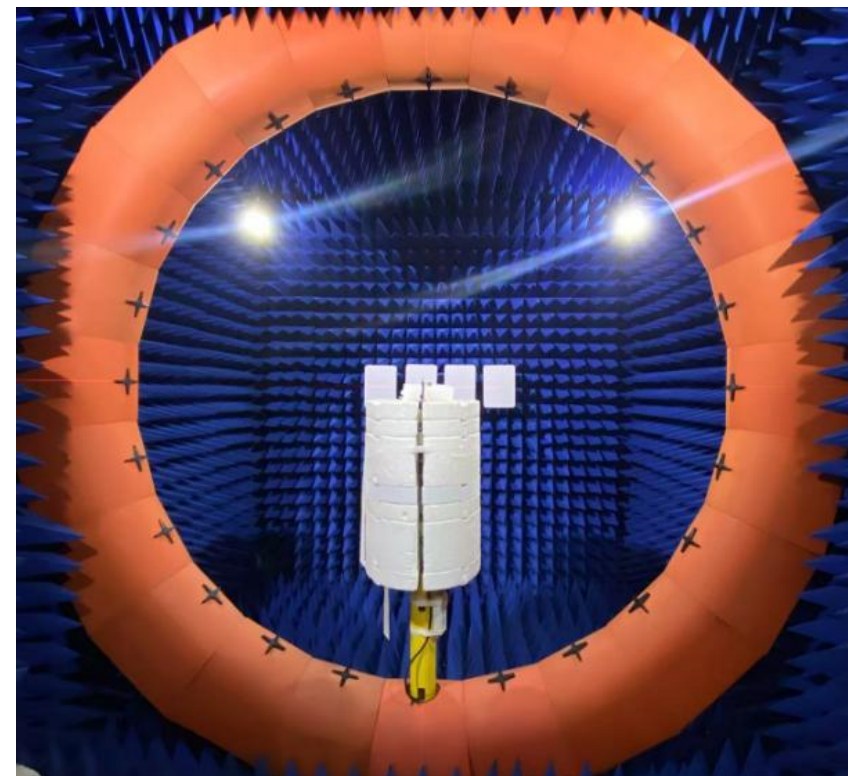
## Antenna Study

- **Client Name:** SHENZHEN PROSPEROUS TECHNOLOGY CO., LTD.
- **Project Name:** sensor
- **Model:** 35714
- **Debugging frequency band:** 2400-2500HMz
- **Valuation date:** 2025.07.10

Address: Ruijun Building, Central Road, Shajing Street, Baoan District, Shenzhen, China



Testing environment



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

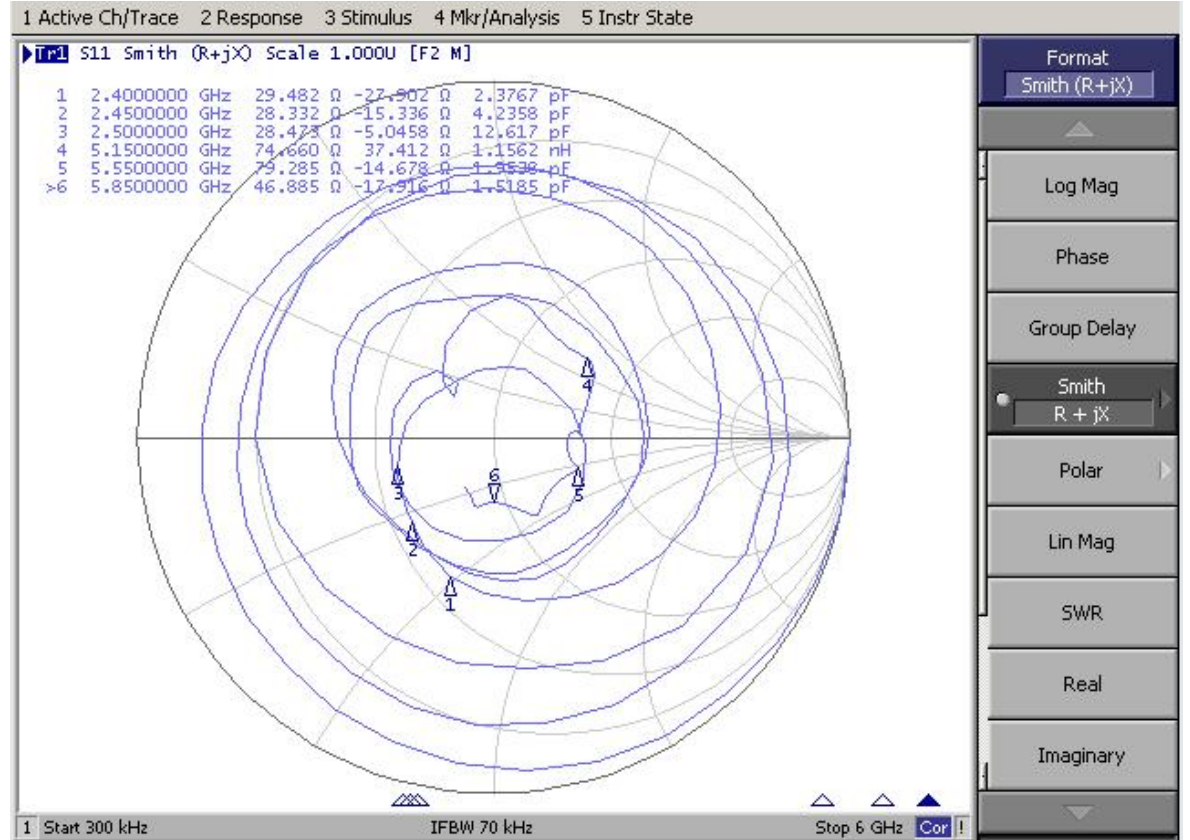
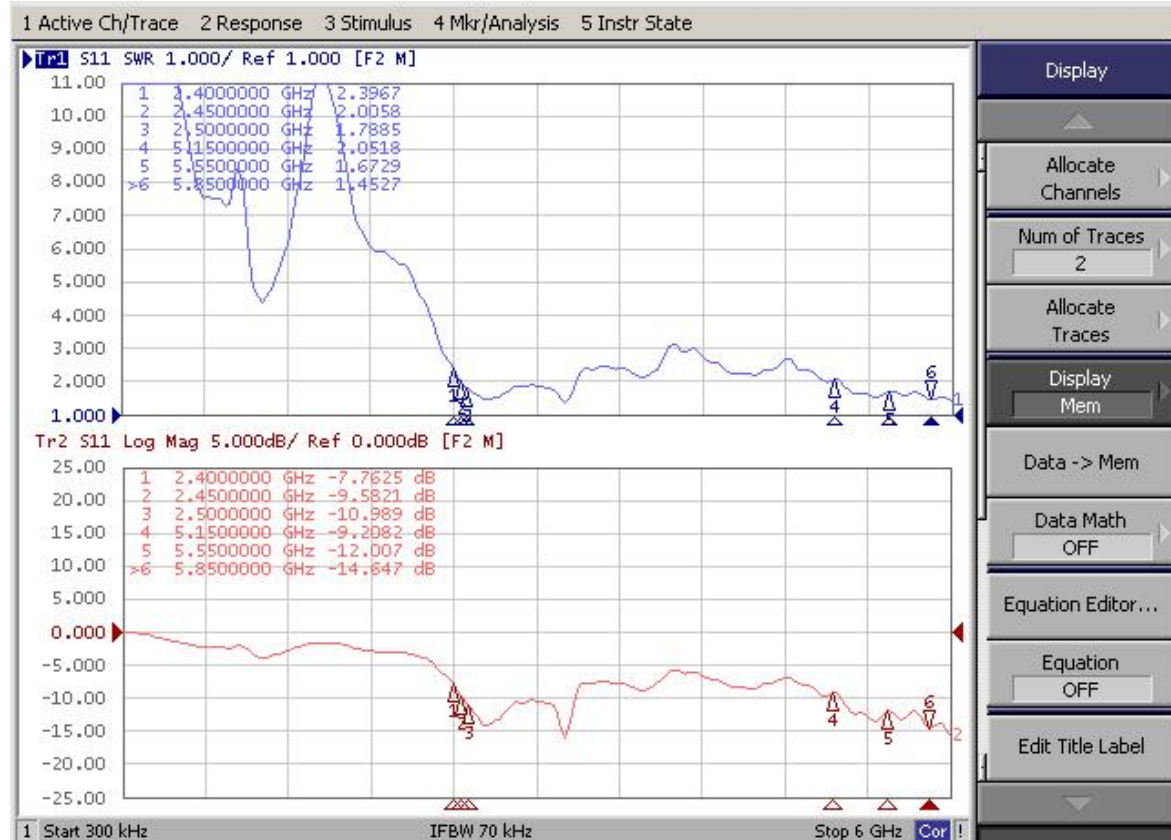


- Antenna name: 2.4G
- Covers : 2400/2500MHz

Antenna

# S Parameter\_Return Loss&VSWR-Smith

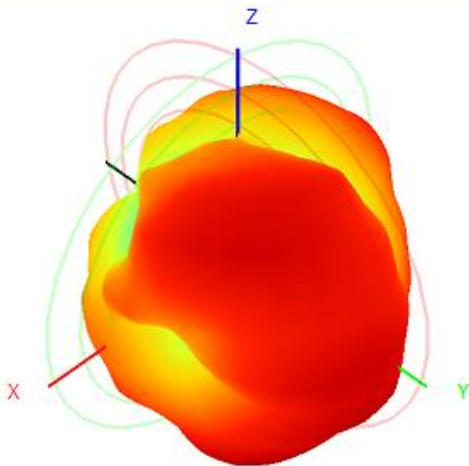
Dongguan UB Electronics Co., Ltd



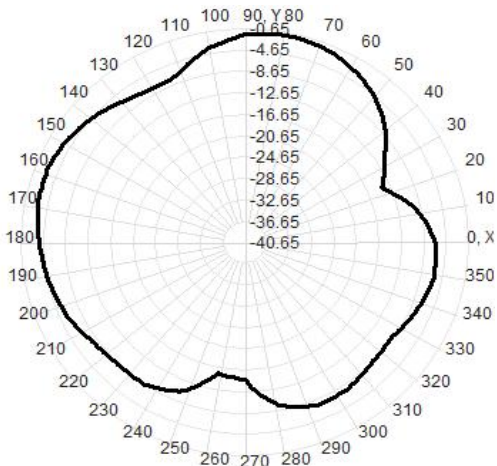
# Efficiency and Gain

| 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)      | 1.54   | 1.98   | 1.94   | 2.71   | 2.53   | 3.00   | 2.01   | 2.26   | 2.12   | 2.04   | 2.16   |
| Efficiency (%)  | 39.82  | 40.52  | 40.83  | 42.40  | 42.39  | 43.67  | 45.88  | 47.35  | 46.50  | 46.37  | 48.60  |

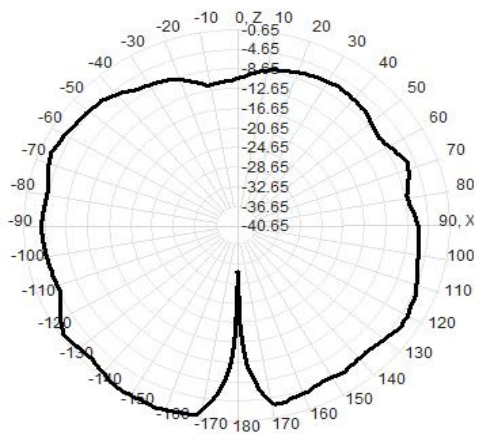
# 2D/3D方向图



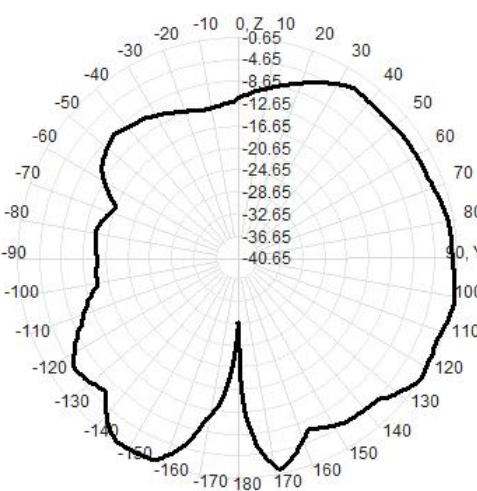
远场方向图



H-XY



E1-XZ



E2-YZ

