



好天线 · 优比造

东莞市优比电子有限公司

Dongguan UB Electronics Co., Ltd

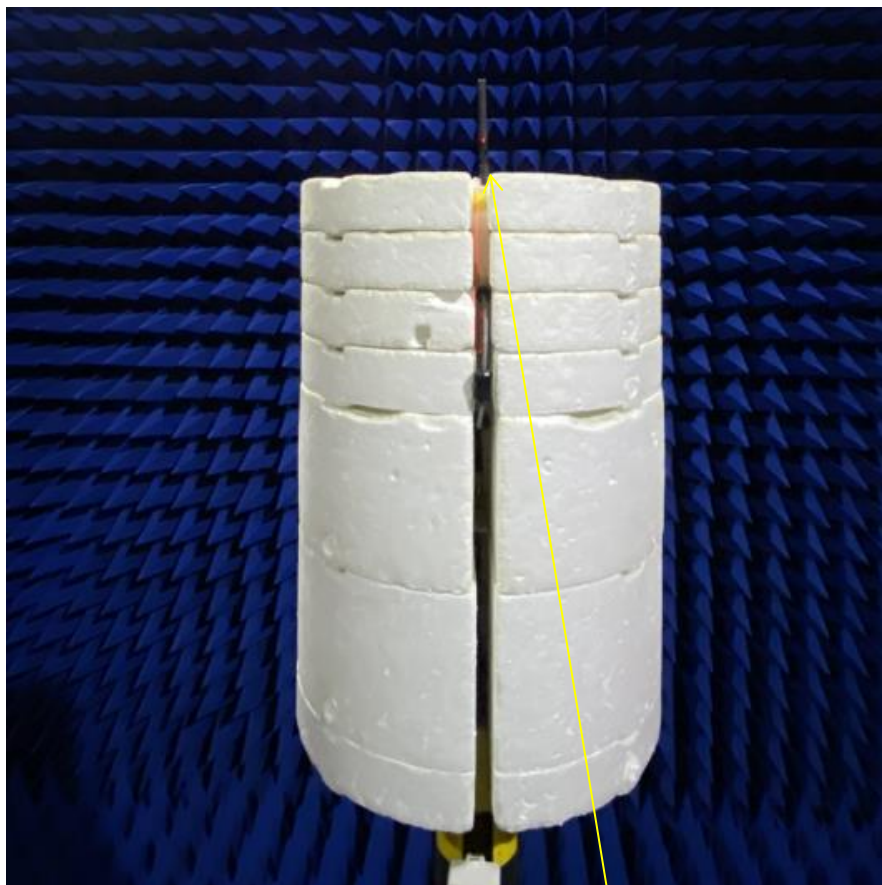
Room 101, Building 2, No. 9 Xinfu Road, Lincun, Tangxia Town, Dongguan City, Guangdong, China

Antenna Study

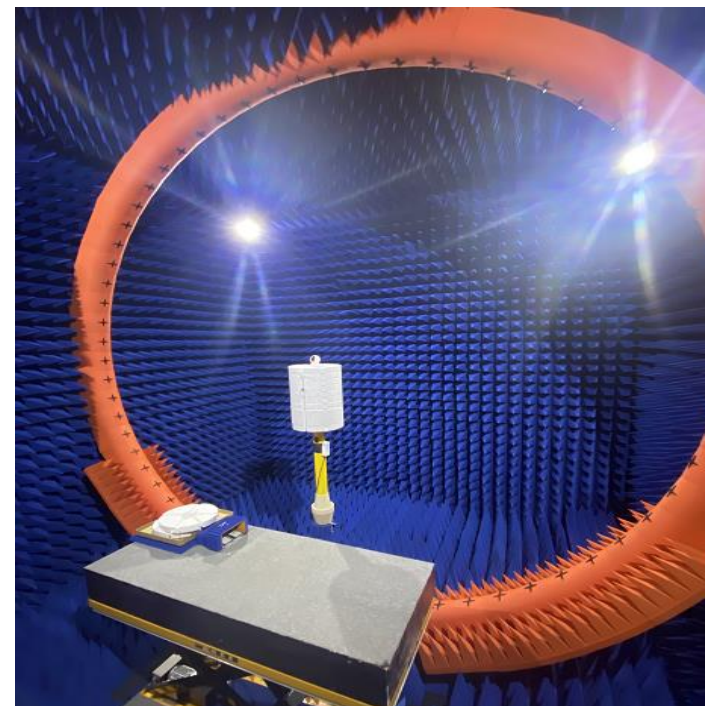
- Client Name: 立讯检测
- Project Name: 2-#-A240729122-2.4G
- Debugging frequency band: 2400-2500MHz
- Valuation date: 2024.08.09
- Linkman contacts: he hai ping 13686295193

Internal Antenna

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Testing environment

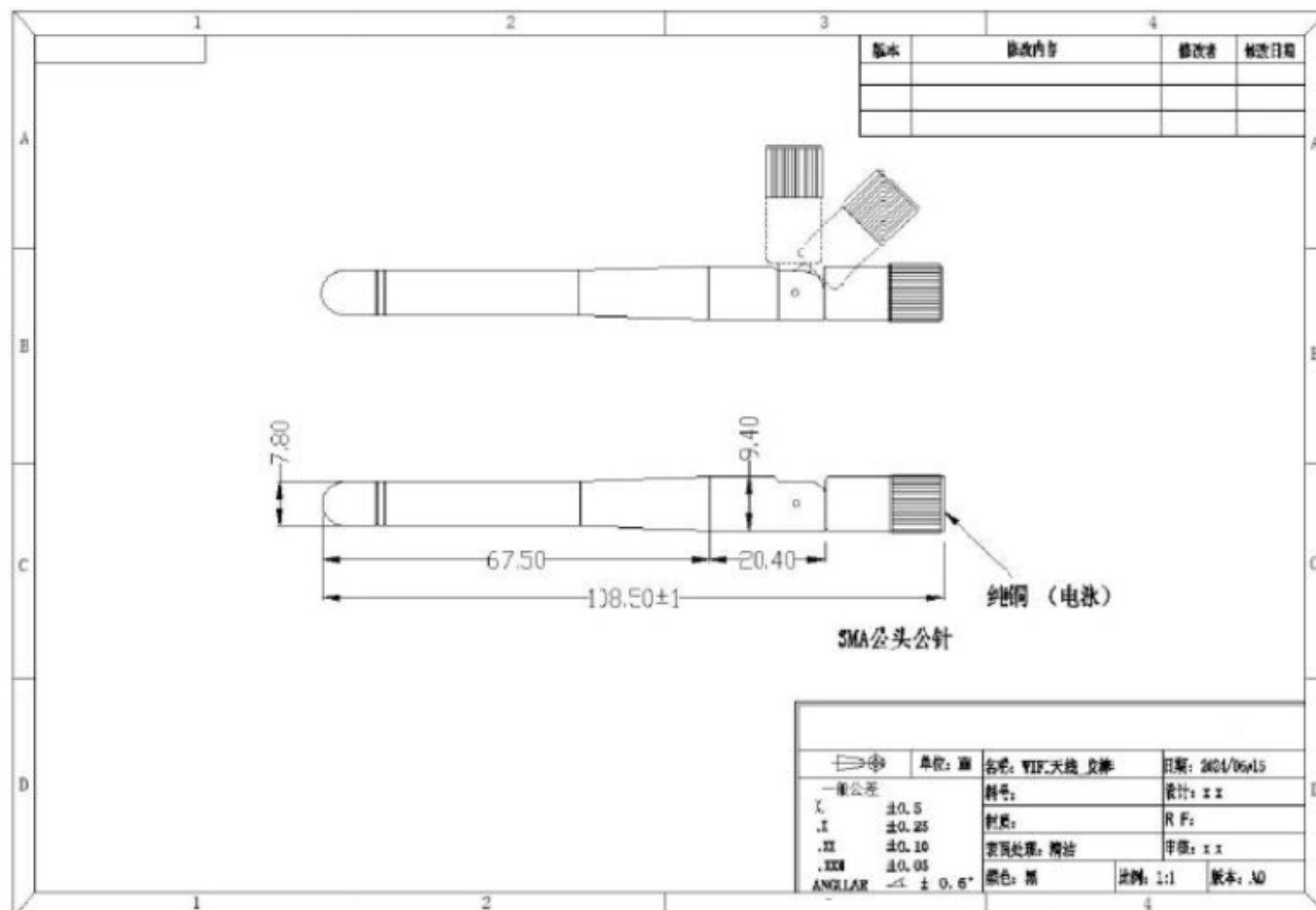


Testing 3D microwave darkroom(6m*6m*6m)

External Antenna

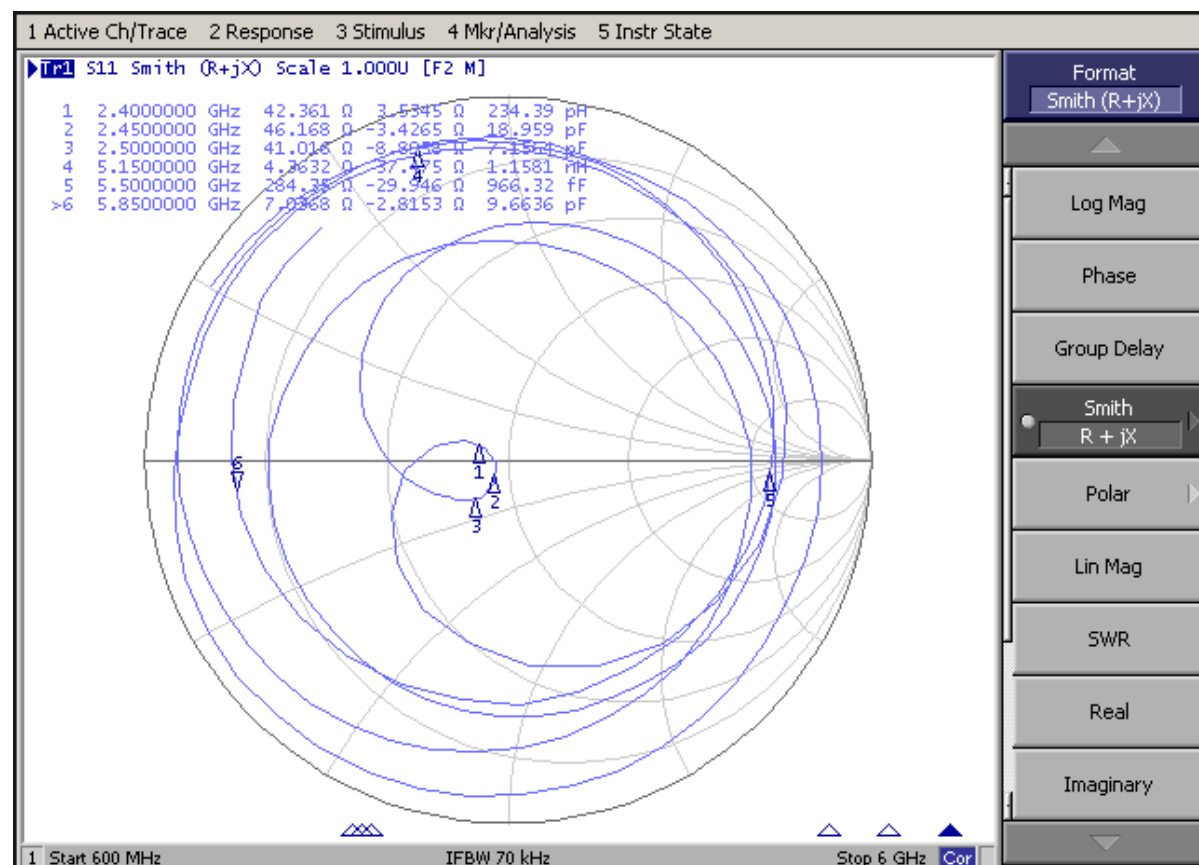
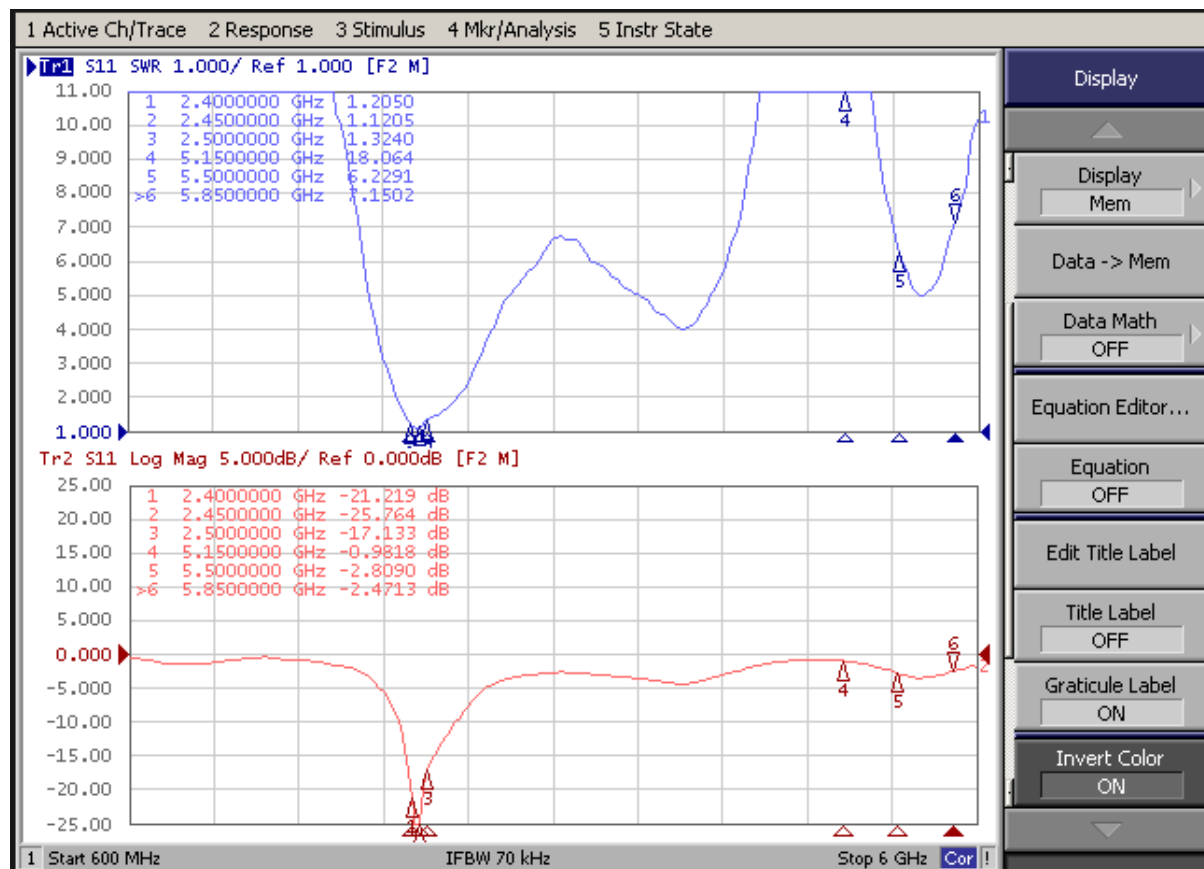
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- Antenna name: 2.4G
- Antenna Type: PCB External
- Covers: 2400/2500MHz



S Parameter_Return Loss&VSWR-Smith

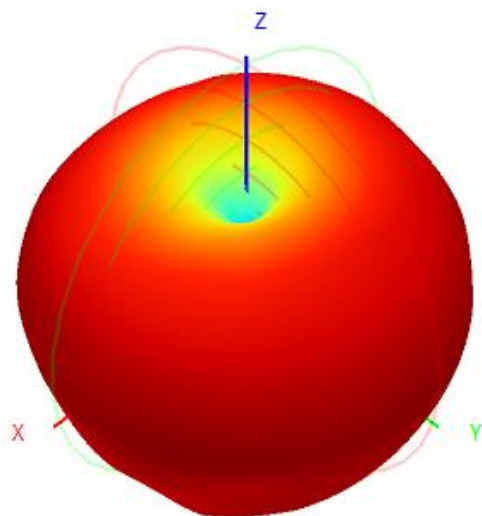
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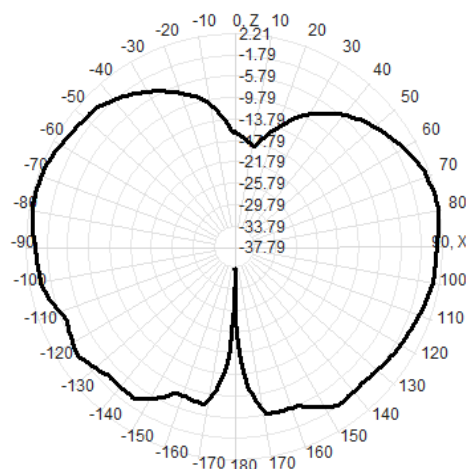
Efficiency and Gain

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)	2.27	2.40	2.42	2.33	2.43	2.40	2.14	1.92	2.07	1.94	1.73
Efficiency (%)	79.32	79.67	77.86	76.08	78.35	80.91	83.75	82.99	79.25	76.29	74.57

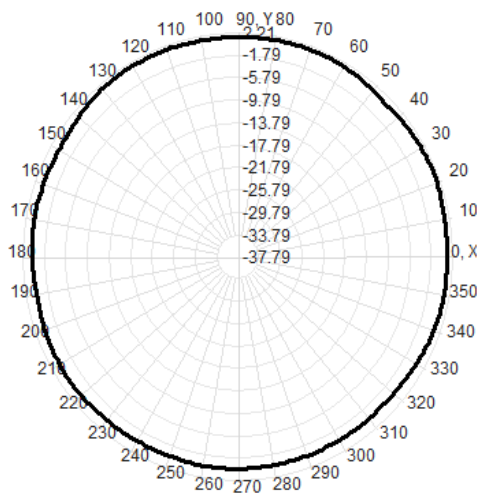
2D/3D方向图



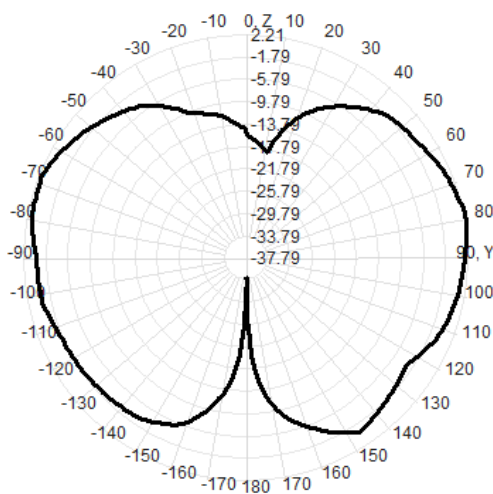
远场方向图



E1-XZ



H-XY



E2-YZ