



好天线 · 优比造

东莞市优比电子有限公司

Dongguan UB Electronics Co., Ltd

4# Antenna Study

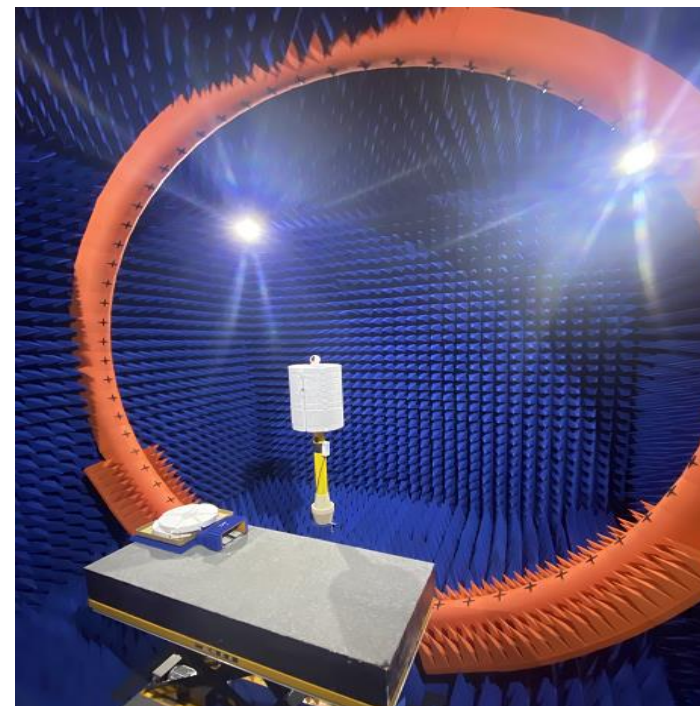
- **Client Name:立讯检测**
- **Project Name:4#**
- **Debugging frequency band: 2400-2500MHz**
- **Valuation date: 2022.11.21**

Internal Antenna

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Testing environment



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

External Antenna

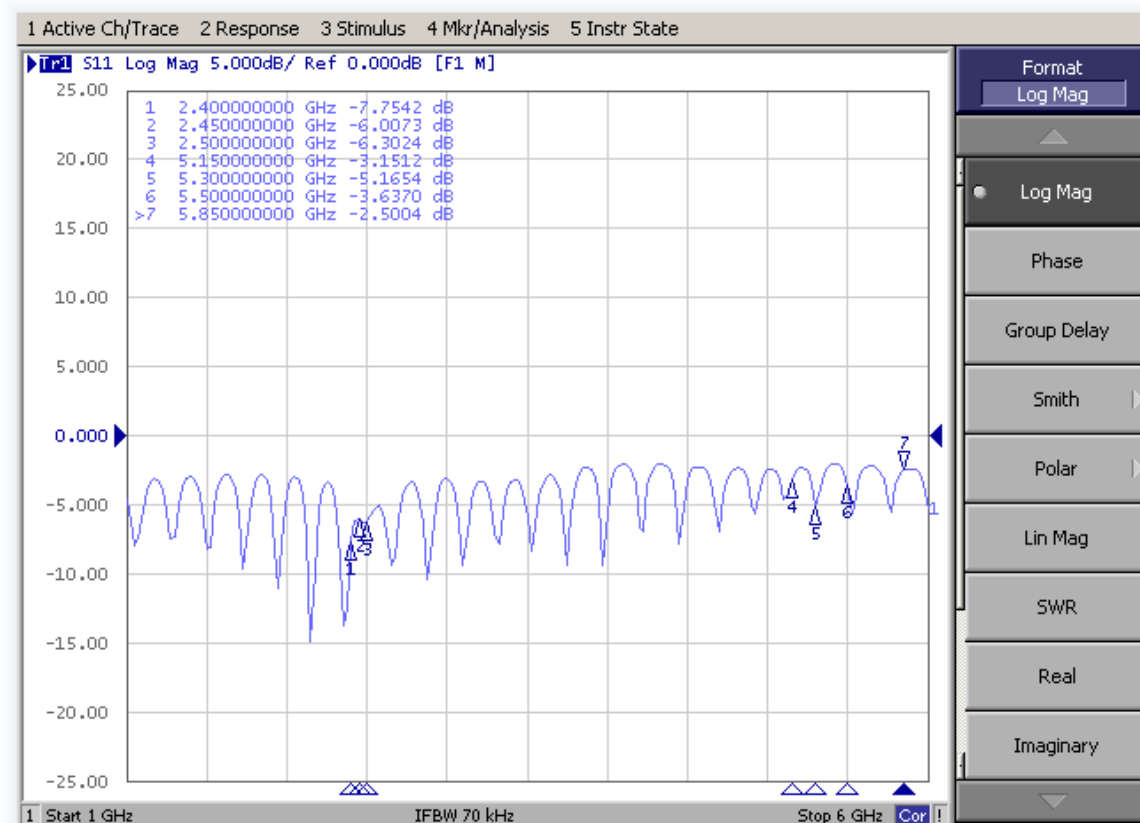
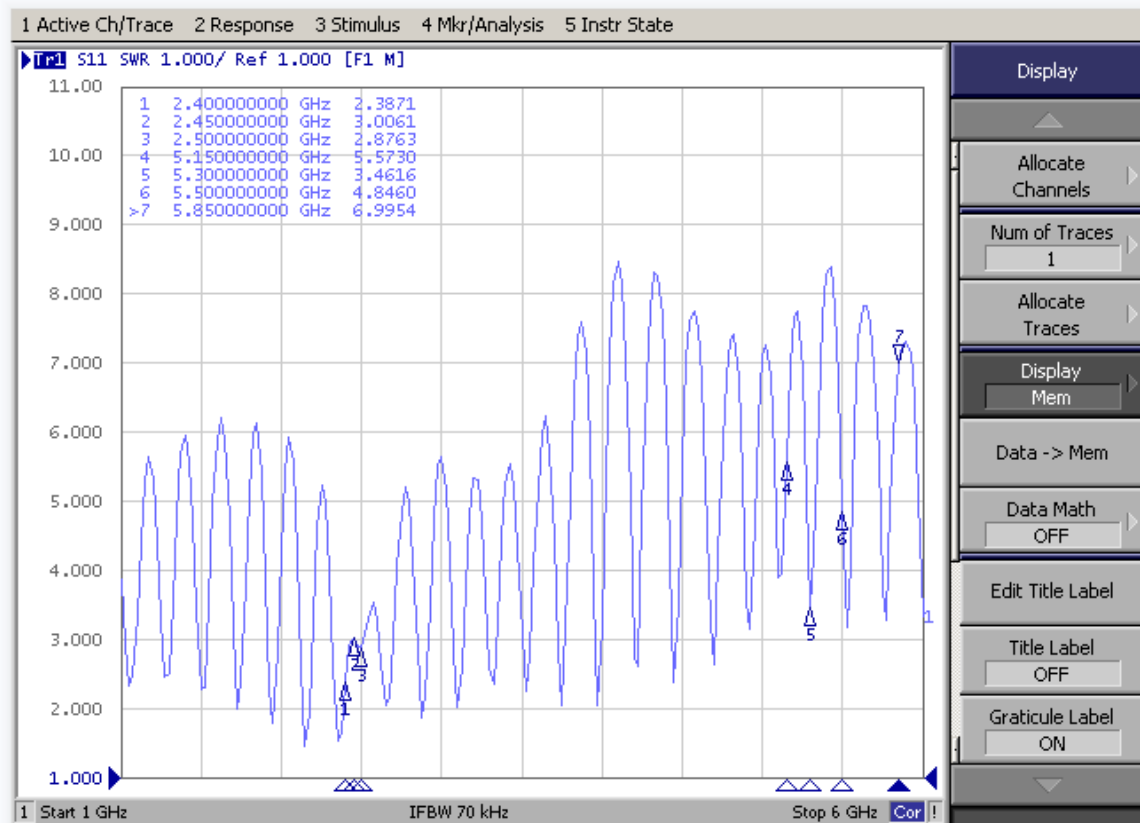
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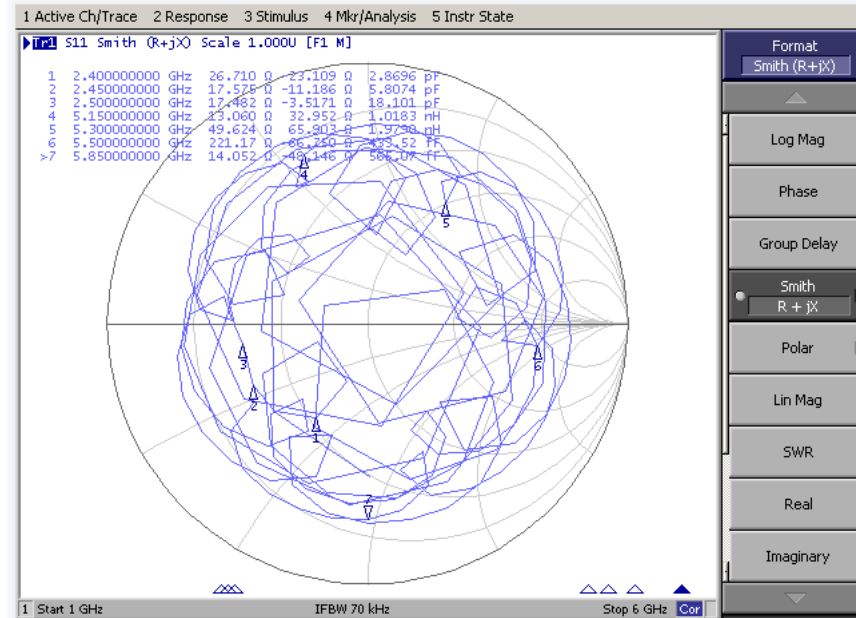
Antenna

- Antenna name: 2.4G
- Antenna Type: PIFA
- Covers : 2400-2500MHz

S Parameter_Return Loss&VSWR



Efficiency and Gain-Smith



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)	-2.40	-2.33	-2.43	-2.77	-2.67	-2.75	-2.40	-2.42	-2.68	-2.56	-2.46
Efficiency (%)	33.94	32.86	30.78	30.21	30.84	31.68	34.45	35.04	33.82	33.71	33.99

Freespace Environment Performance – WIFI

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