



好天线 · 优比造

东莞市优比电子有限公司

Dongguan UB Electronics Co., Ltd

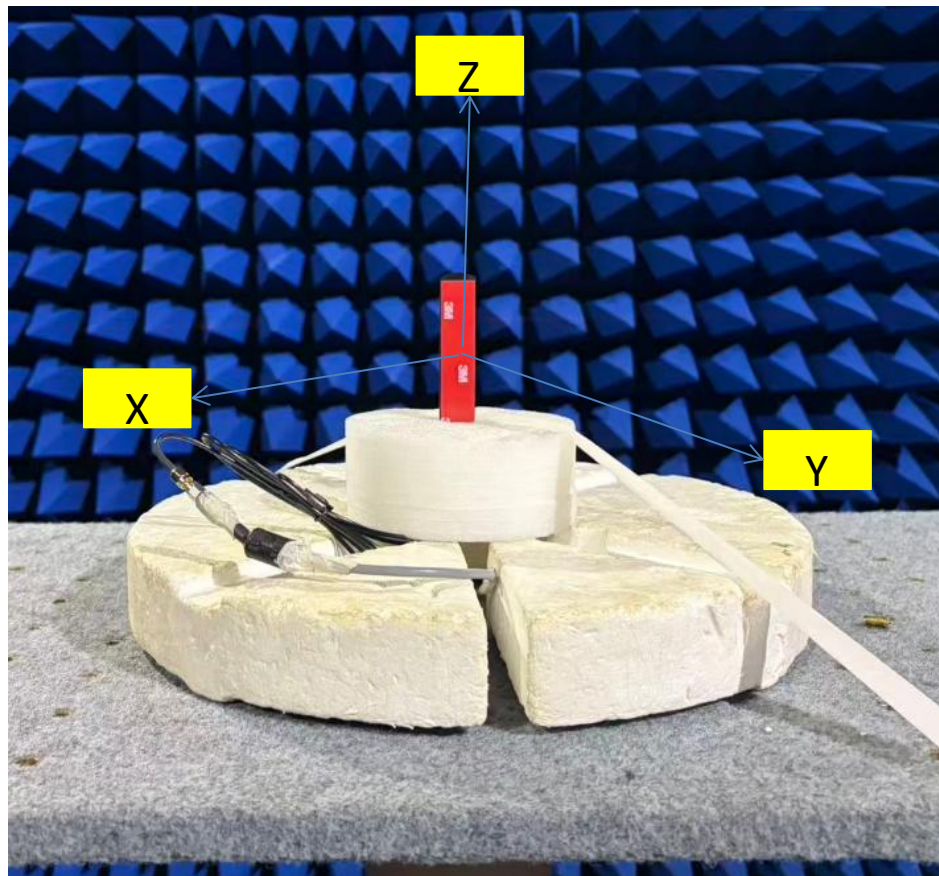
Antenna Study

- **Client Name: Jiaxing VIRA Display Limited**
- **Project Name: Dual-Band Antenna**
- **Model: BY-2400-04**
- **Debugging frequency band: 2.4G+5.8G**
- **Valuation date: 2026.06.02**

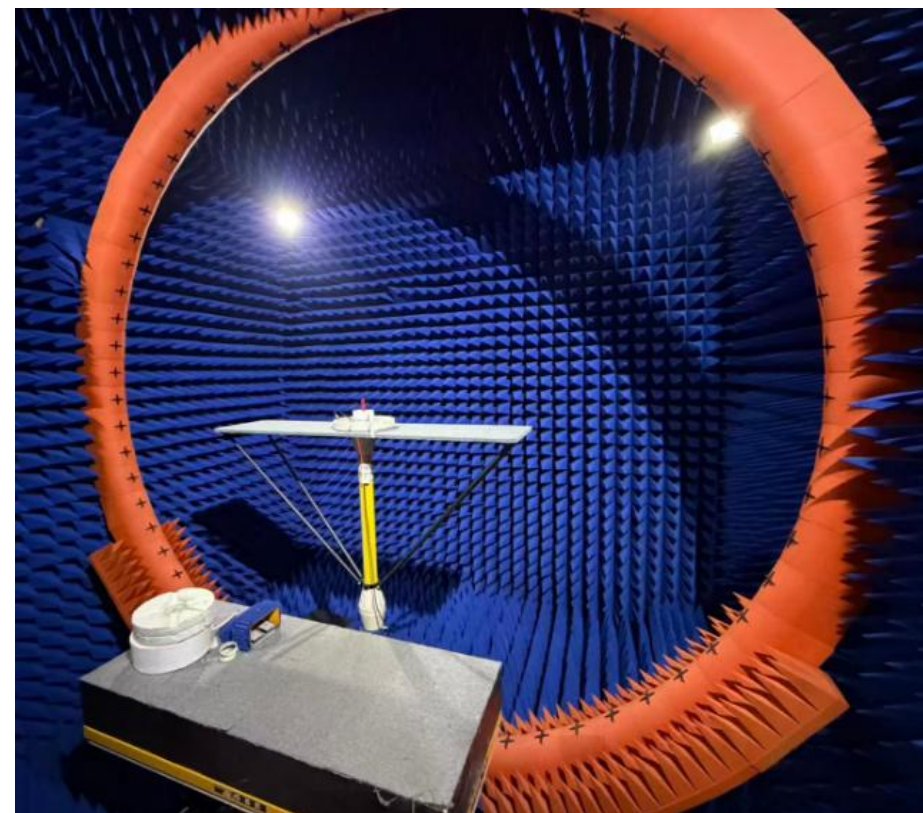
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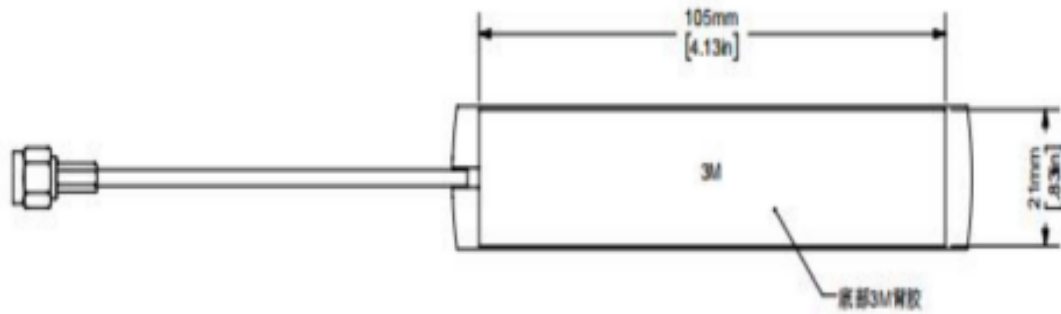
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Testing environment



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

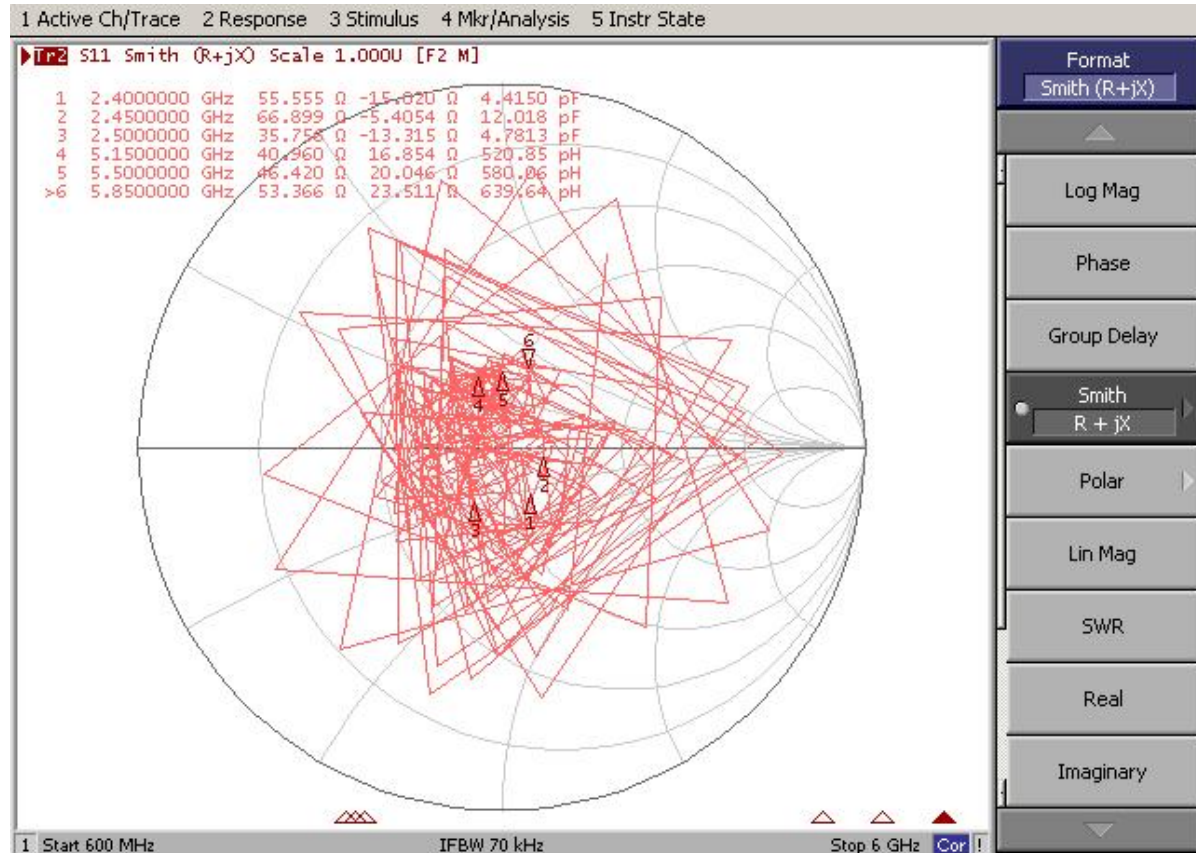
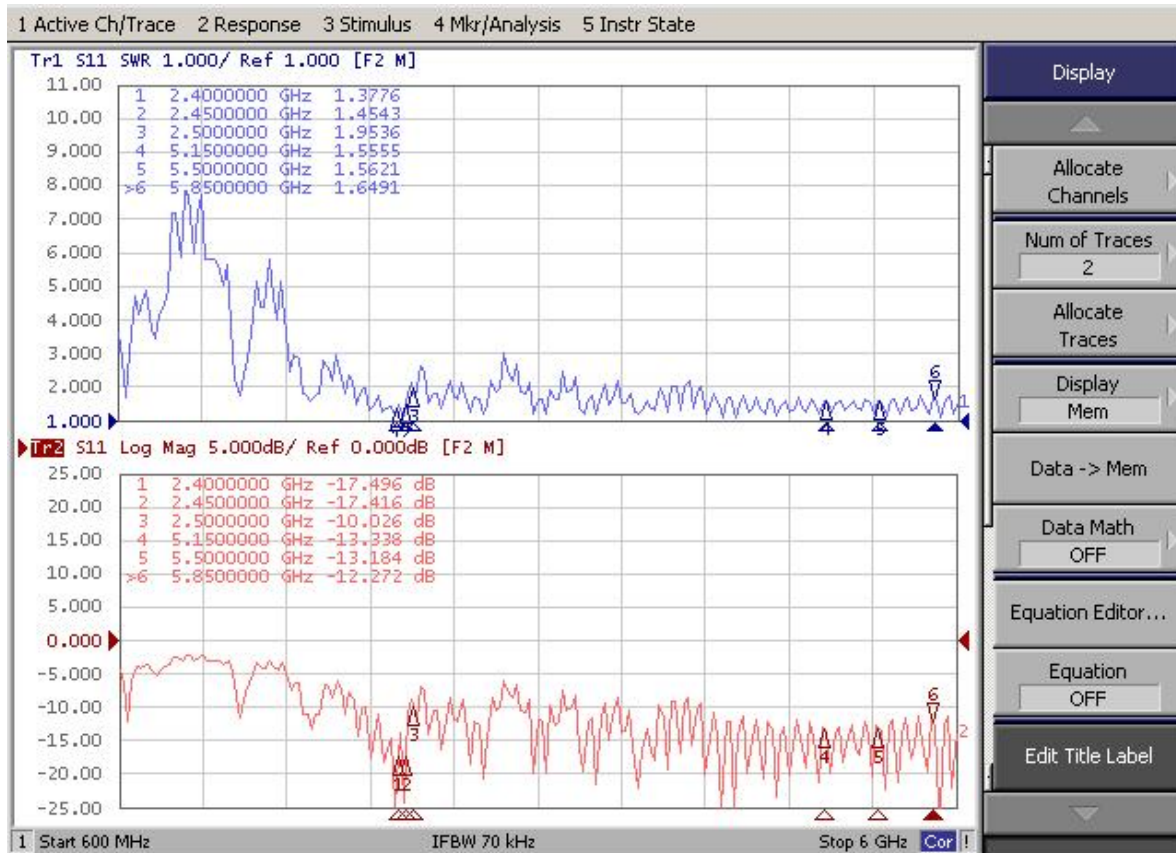


Antenna

- Antenna name: 2.4G+5.8G
- Covers : 2400/5850MHz

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)	1.00	0.51	0.01	-0.03	-0.14	0.01	0.63	0.47	-0.50	-1.47	-1.71
Efficiency (%)	40.92	38.82	38.20	37.64	37.62	37.45	39.42	35.42	30.14	27.41	25.79

12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
5150.0	5200.0	5250.0	5300.0	5350.0	5400.0	5450.0	5500.0	5550.0	5600.0	5650.0	5700.0	5750.0	5800.0	5850.0
3.02	2.64	1.84	2.10	1.73	1.54	1.13	0.24	0.43	-0.91	-0.98	-1.11	-1.68	-1.75	-2.41
35.42	34.43	34.01	35.06	32.69	30.02	29.91	24.90	26.62	21.78	21.19	22.75	20.66	20.41	18.55

