



好天线 · 优比造

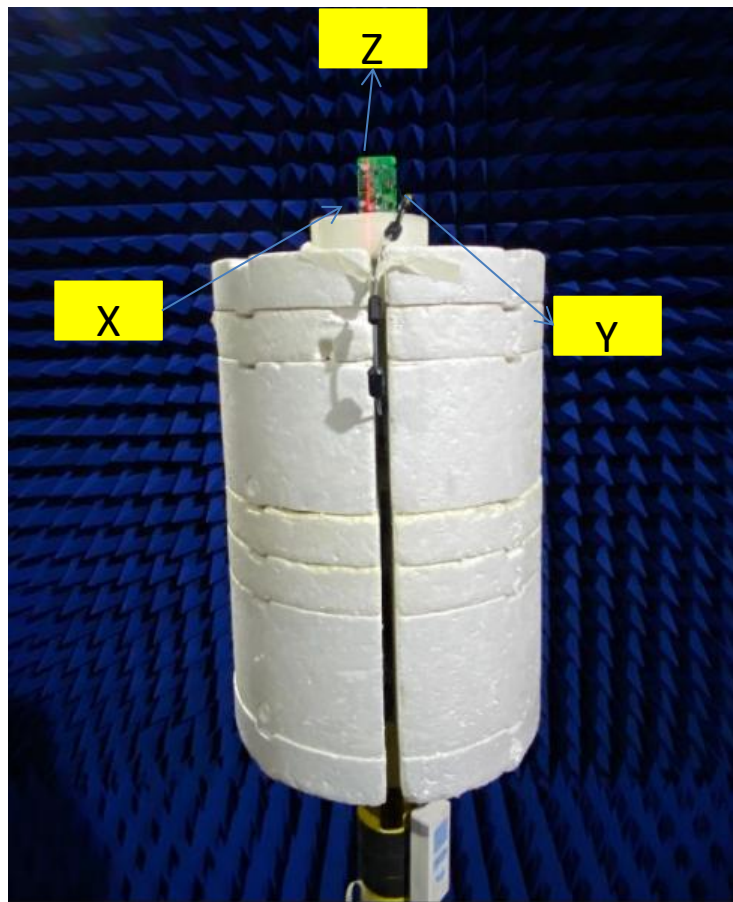
东莞市优比电子有限公司

Dongguan UB Electronics Co., Ltd

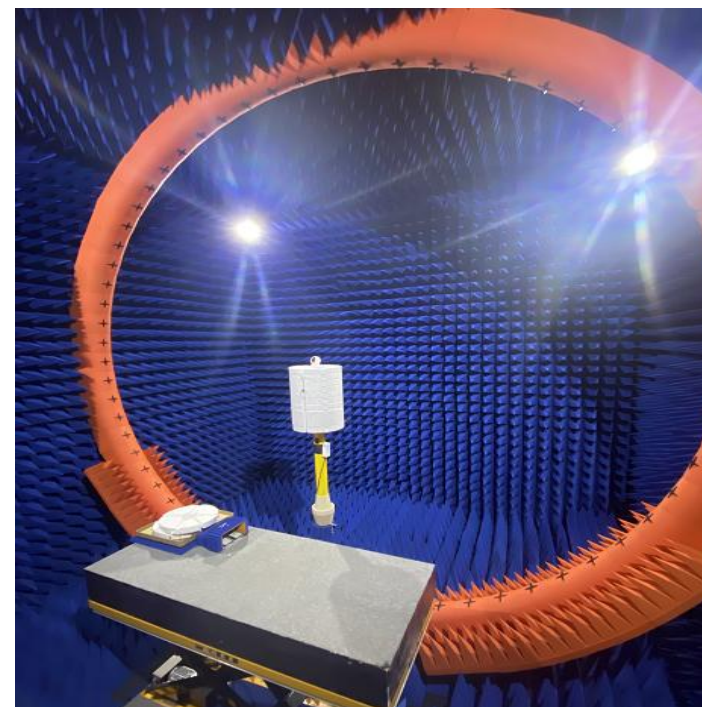
Room 101, Building 2, No. 9 Xinfu Road, Lincun, Tangxia Town, Dongguan City, Guangdong, China

Antenna Study

- **Client Name: HEATSAIL NV**
- **Project Name: HEATSAIL GENERAL CONTROL BOARD “HGCB”**
- **Model: 1**
- **Debugging frequency band: 2400-2500MHz**
- **Valuation date: 2025.02.14**

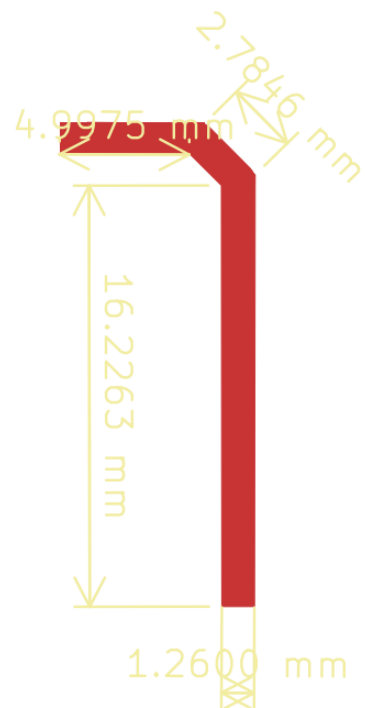


Testing environment



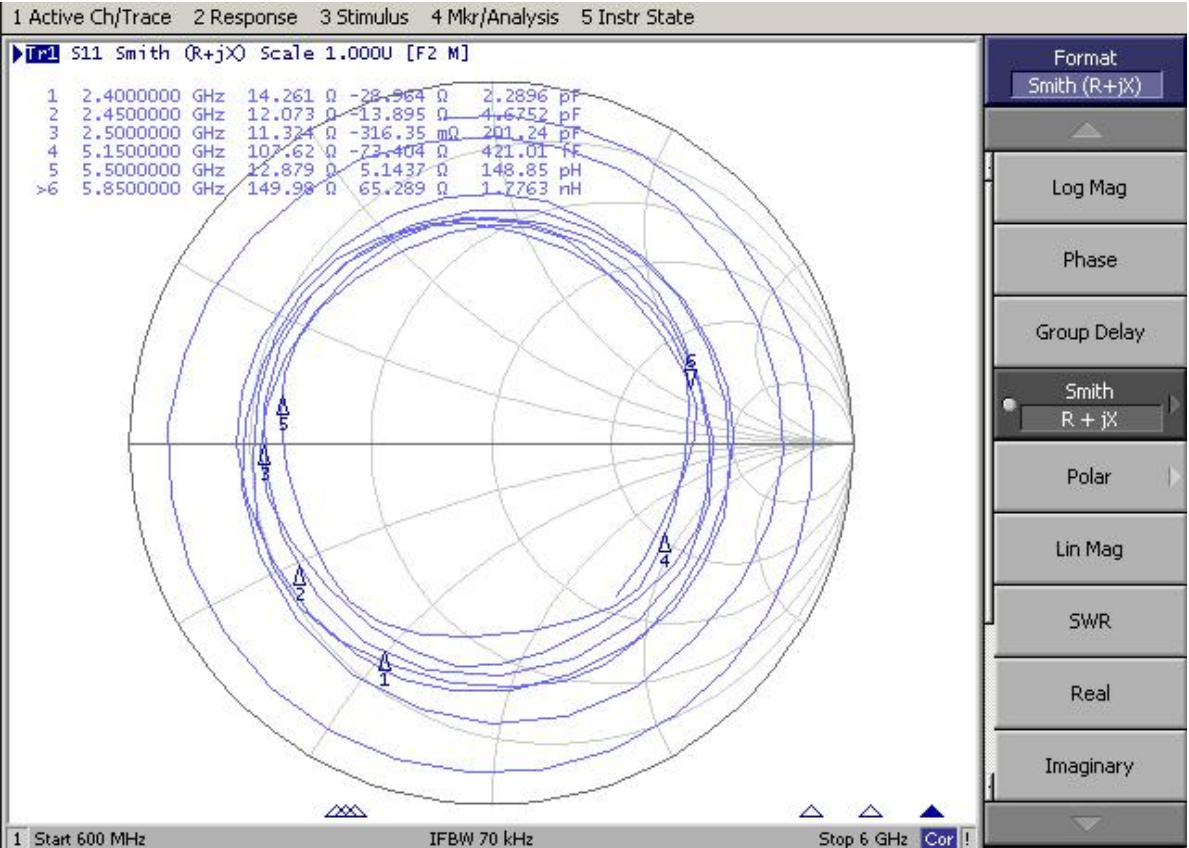
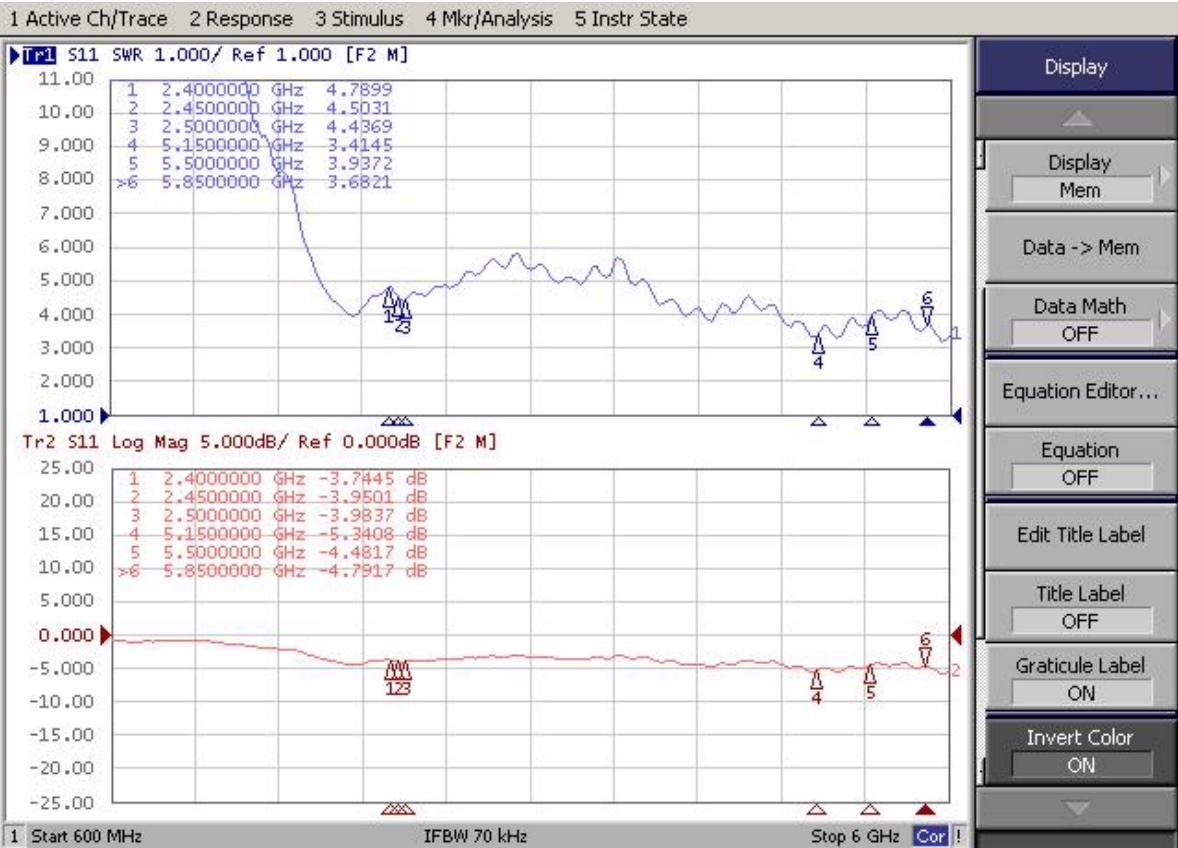
Testing 3D microwave darkroom(6m*6m*6m)

- 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)	-0.77	-0.56	-0.66	-0.30	-0.09	-0.20	0.03	-0.02	-0.06	0.04	-0.17
Efficiency (%)	21.97	22.86	22.92	24.45	24.82	24.03	25.67	25.92	24.71	25.29	24.41

