



好天线 · 优比造

东莞市优比电子有限公司

Dongguan UB Electronics Co., Ltd

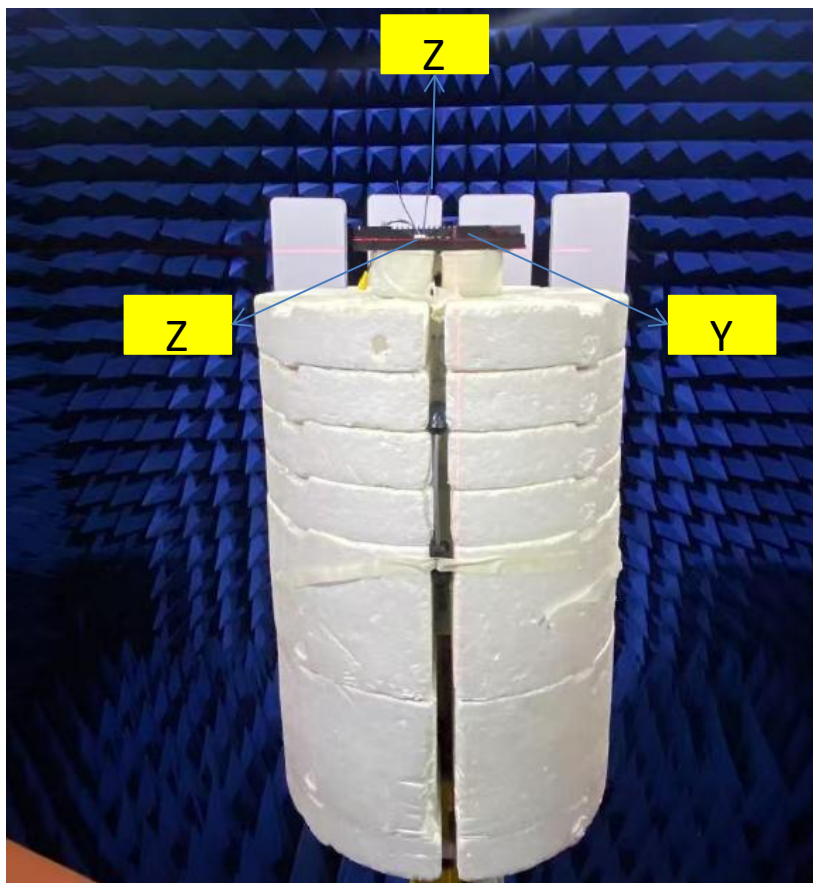
Antenna Study

- **Client Name: 泉州市君为汽车用品有限公司**
- **Project Name: 天线**
- **Model: X**
- **Debugging frequency band: 5150-5850MHz**
- **Valuation date: 2025.04.11**

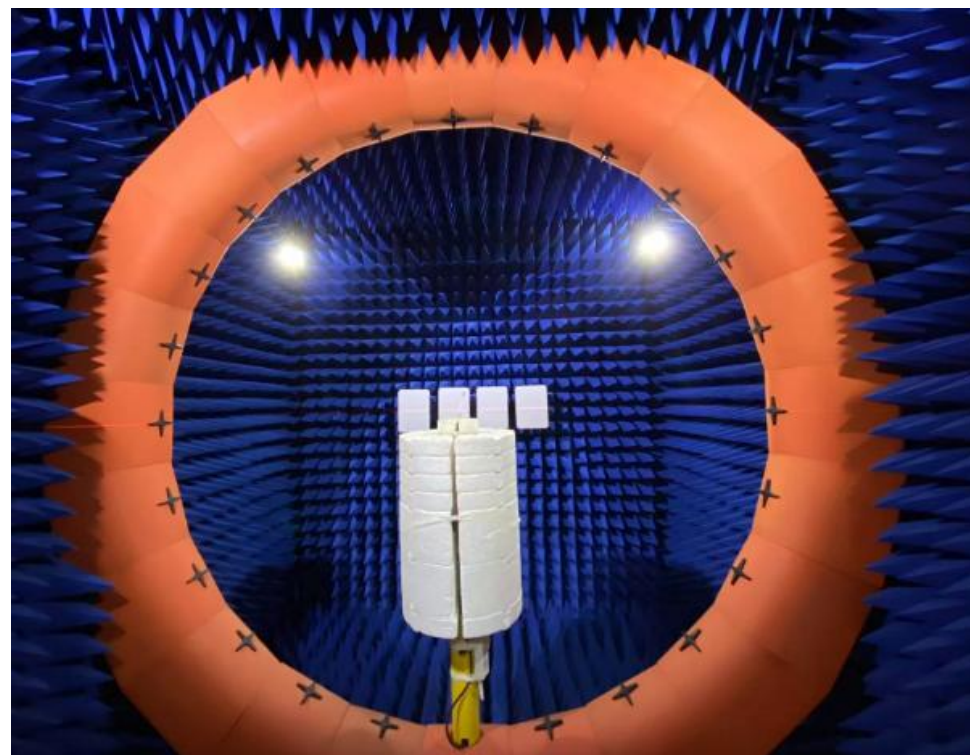
地址: 东莞市塘厦镇林村社区新太阳工业城79栋 (东莞公司) 电话: 0769-81777126

杭州市滨江区秋溢路500号乐通科技园3栋106室 (杭州分司) 传真: 0769-81777125

深圳市宝安区留仙二路47号新政工业园106室 (深圳公司) 网址: www.ubuant.com



Testing environment



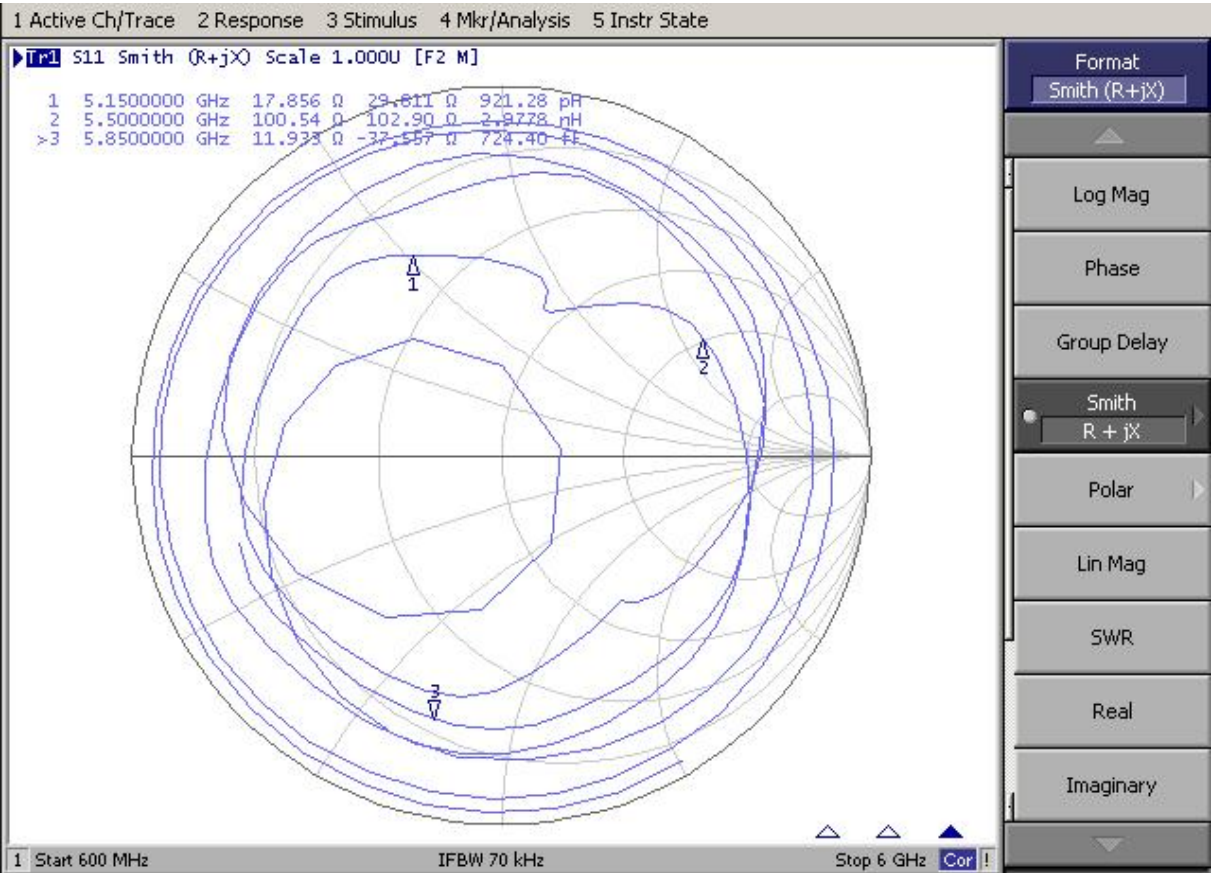
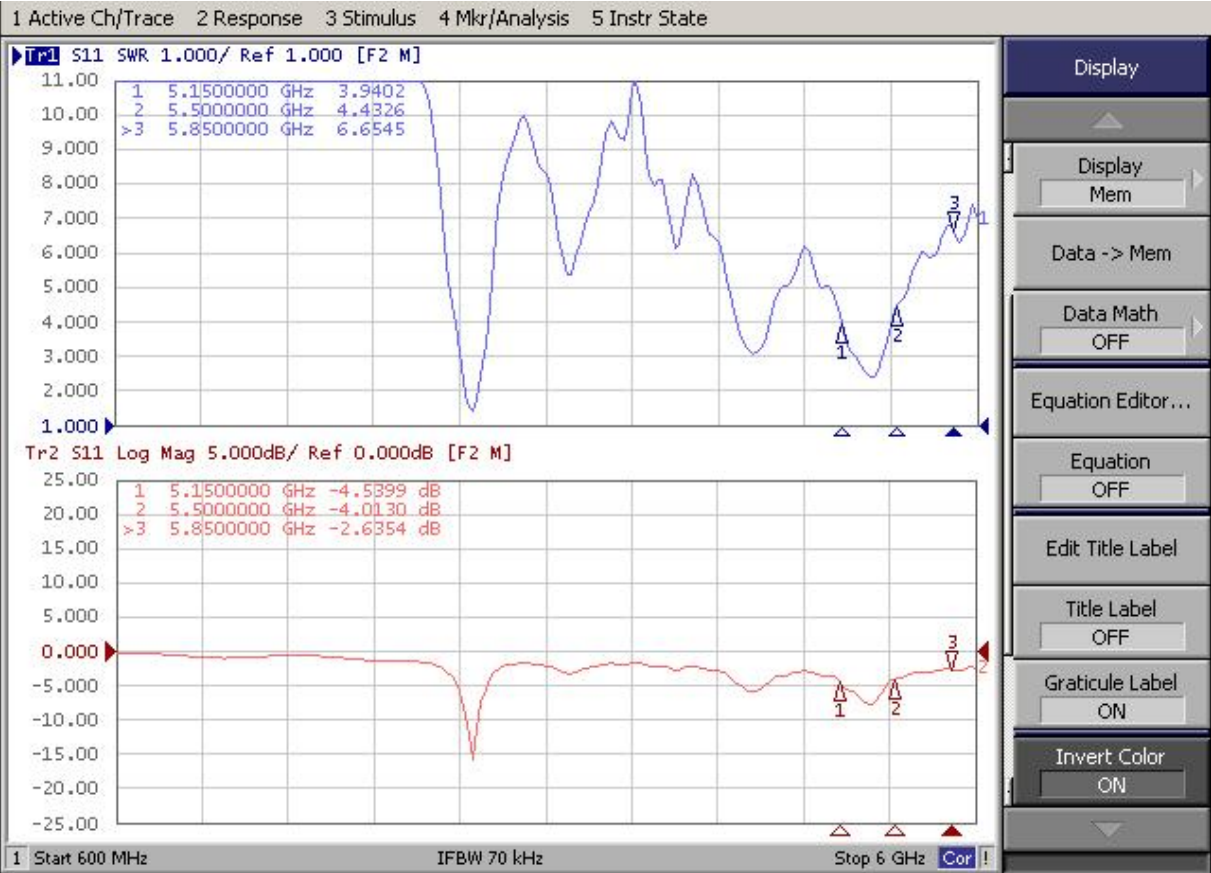
Testing 3D microwave darkroom(6m*6m*6m)



- Antenna name: 5.8G
- Covers : 5150/5850MHz

Antenna

S Parameter_Return Loss&VSWR-Smith



Efficiency and Gain

Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Frequency (MHz)	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
Gain (dBi)	-10.50	-9.62	-8.80	-6.97	-6.23	-5.72	-5.91	-5.55	-4.99	-4.91	-5.70	-4.37	-6.01	-8.40	-9.76
Efficiency (%)	12.66	13.29	13.85	14.79	15.07	15.33	15.25	15.84	16.98	16.04	16.00	17.37	15.18	13.36	12.74

