

好天线 · 优比造 Dongguan UB Electronics Co., Ltd

地址：广东省东莞市塘厦镇林村新发路9号2栋101室

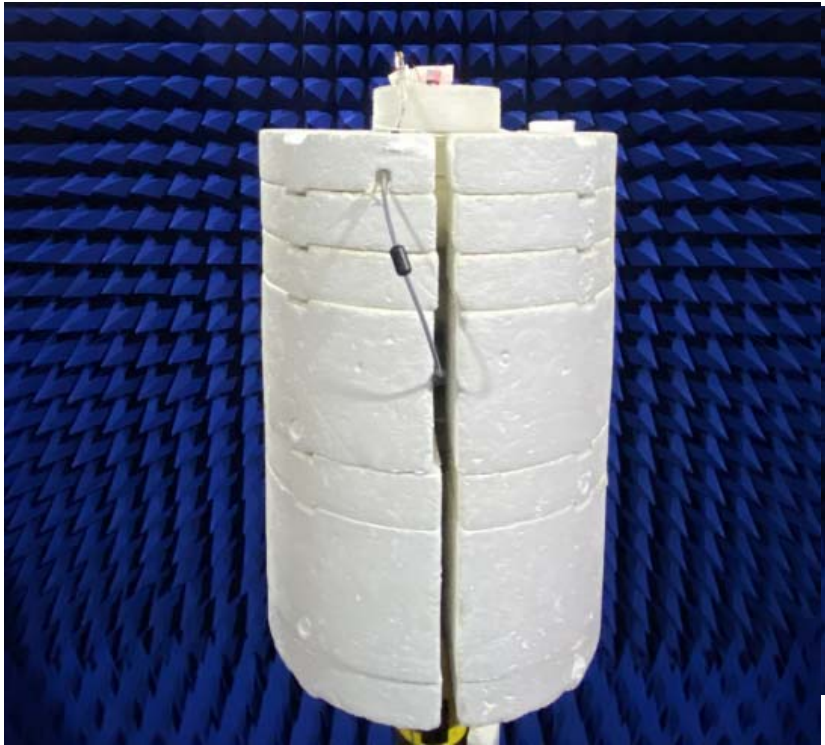
Address: Room 101, Building 2, No. 9, Xinfu Road, Lincun, Tangxia Town, Dongguan City, Guangdong Province

Antenna Study

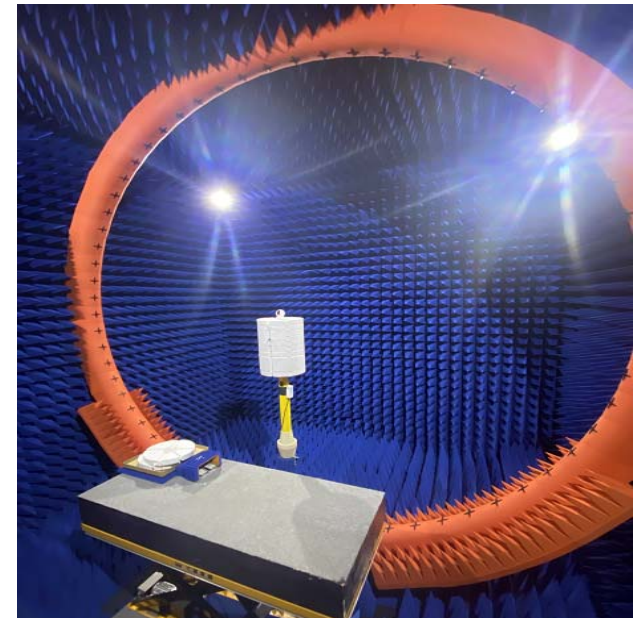
- **Client Name:**
- **Project Name:NPX150**
- **Debugging frequency band: 2.4G**
- **Valuation date: 2025.03.25**

PCB Antenna

Dongguan UB Electronics Co., Ltd



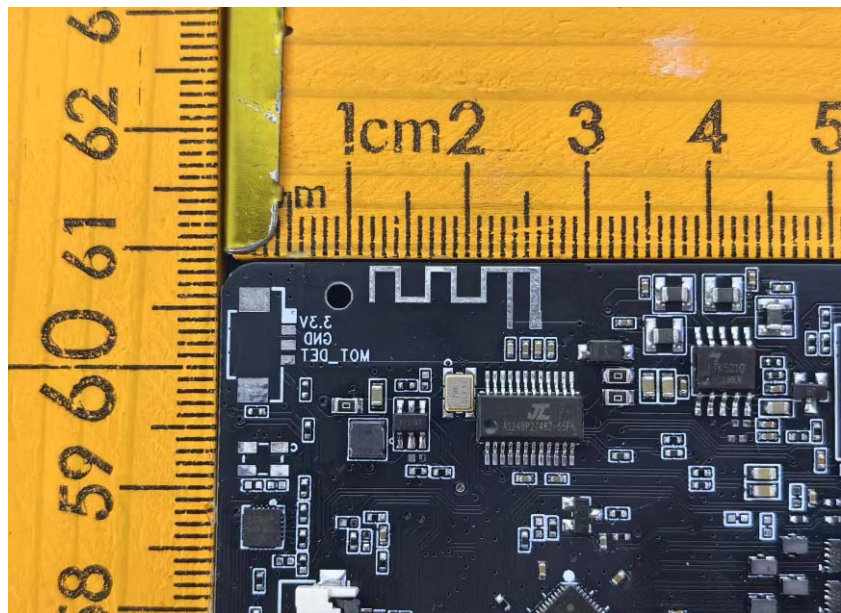
Testing environment



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

PCB Antenna

Dongguan UB Electronics Co., Ltd

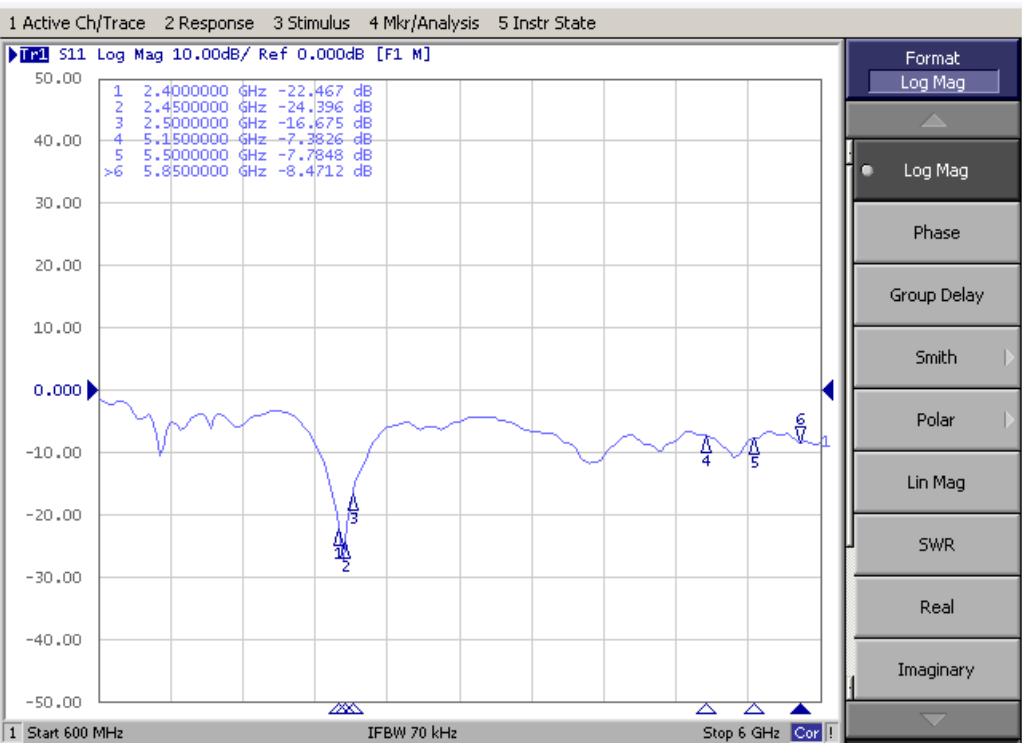
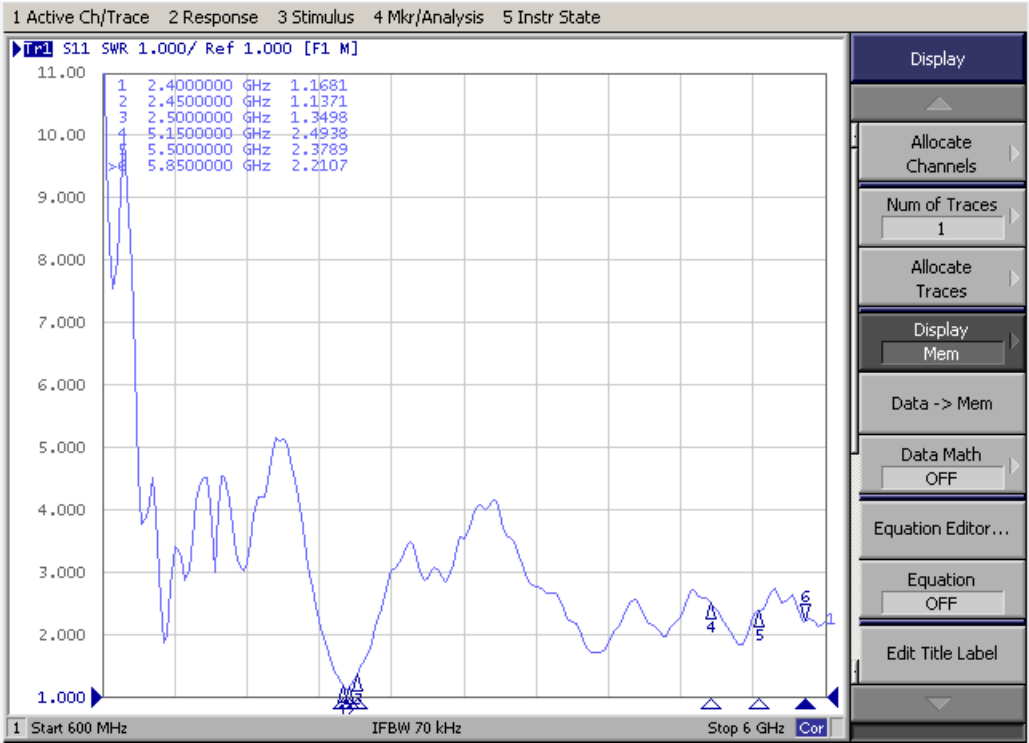


Antenna: 14.5 * 3 * 5.3mm

- Antenna name: 2.4G
- Antenna Type: PCB
- Covers : 2.4G

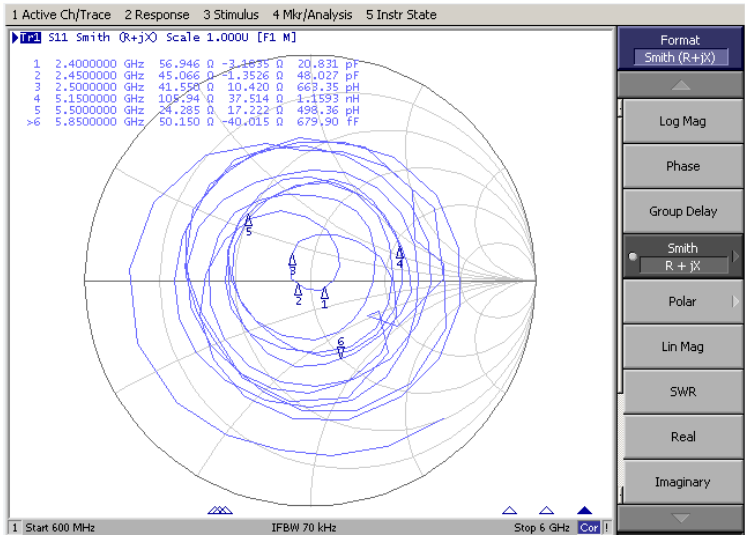
S Parameter_Return Loss&VSWR

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Efficiency and Gain-Smith

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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)	0.18	0.45	0.28	0.24	0.42	0.64	0.75	0.91	0.83	0.77	0.83
Efficiency (%)	32.58	34.61	36.12	38.01	39.09	40.22	42.24	43.16	42.71	43.21	43.25

