



好天线 · 优比造

东莞市优比电子有限公司

Dongguan UB Electronics Co., Ltd

3# Antenna Study

- **Client Name:立讯检测**
- **Project Name:3#**
- **Debugging frequency band: 2400-2500MHz**
- **Valuation date: 2022.11.21**

Manufacturer:Adam Hall GmbH

Address:Adam-Hall-Str.1, 61267 Neu-Anspach,Germany

Antenna model:PIFA 3#

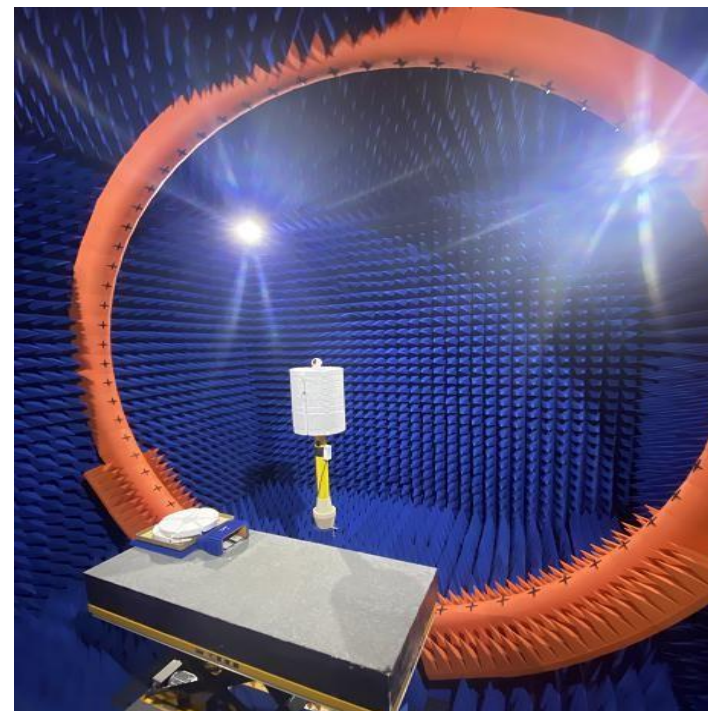
Maximum antenna gain: 2.16dBi

Internal Antenna

Dongguan UB Electronics Co., Ltd



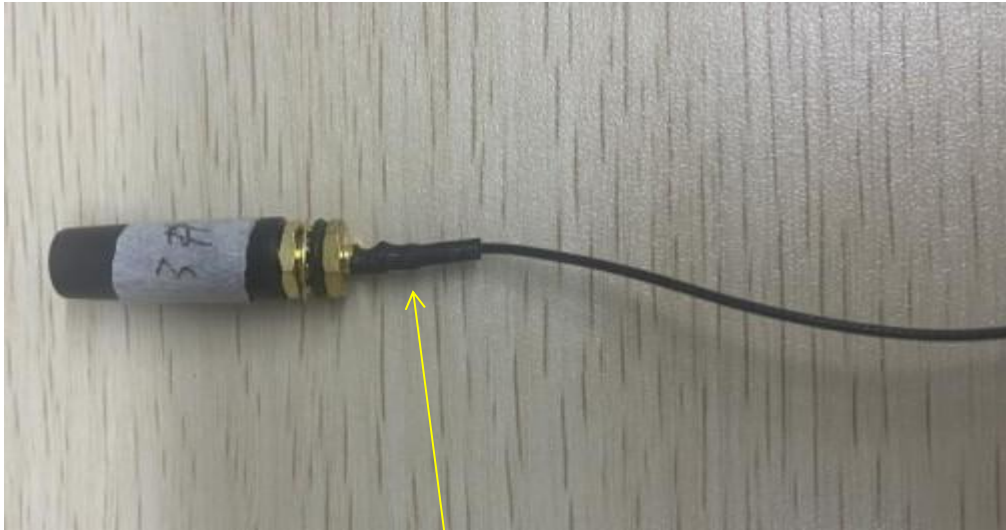
Testing environment



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

External Antenna

Dongguan UB Electronics Co., Ltd

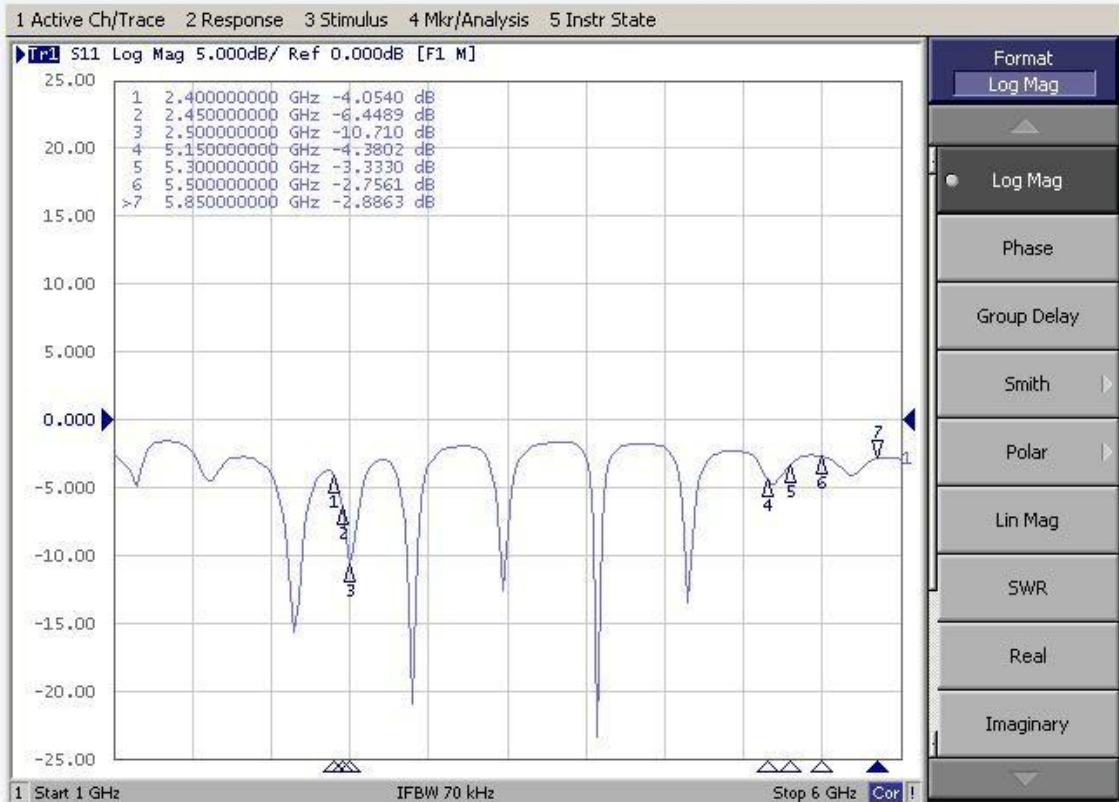
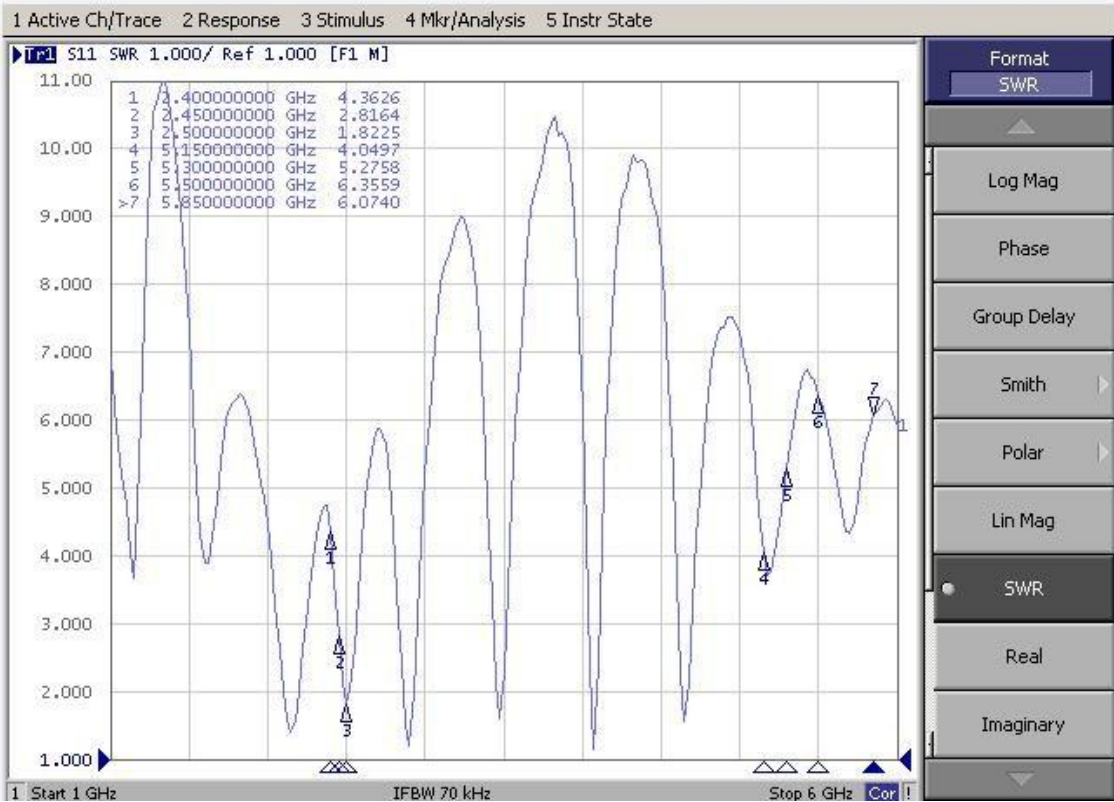


Antenna

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

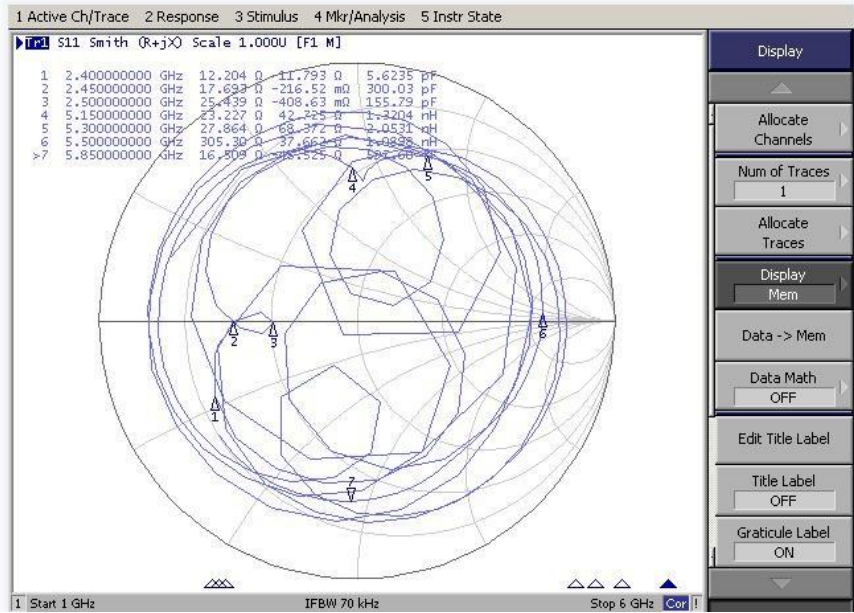
S Parameter_Return Loss&VSWR

Dongguan UB Electronics Co., Ltd



Efficiency and Gain-Smith

Dongguan UB Electronics Co., Ltd



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)	0.91	1.18	0.80	0.74	0.85	1.36	1.99	2.16	1.74	1.61	1.47
Efficiency (%)	31.20	32.60	32.74	35.08	37.03	38.93	43.16	44.60	43.12	44.12	44.76

Freespace Environment Performance

Dongguan UB Electronics Co., Ltd

