



好天线 · 优比造

东莞市优比电子有限公司

Dongguan UB Electronics Co., Ltd

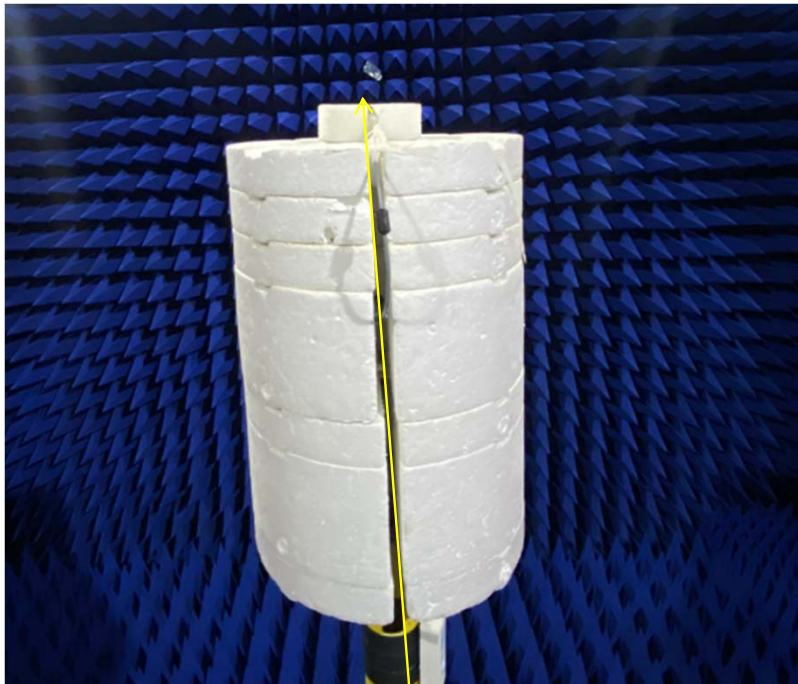
Room 101, Building 2, No. 9 Xinfu Road, Lincun, Tangxia Town, Dongguan City,
Guangdong Province, China

Antenna Study

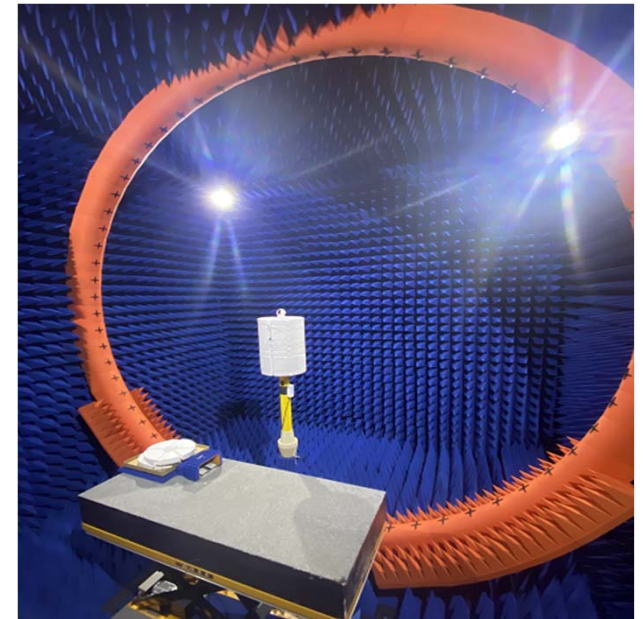
- **Client Name: Shenzhen Luomandi Electronic Technology Co., Ltd**
- **Project Name : smart watch**
- **Debugging frequency band: 2400-2500HMz**
- **Valuation date: 2023.08.12**

Internal Antenna

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Testing environment

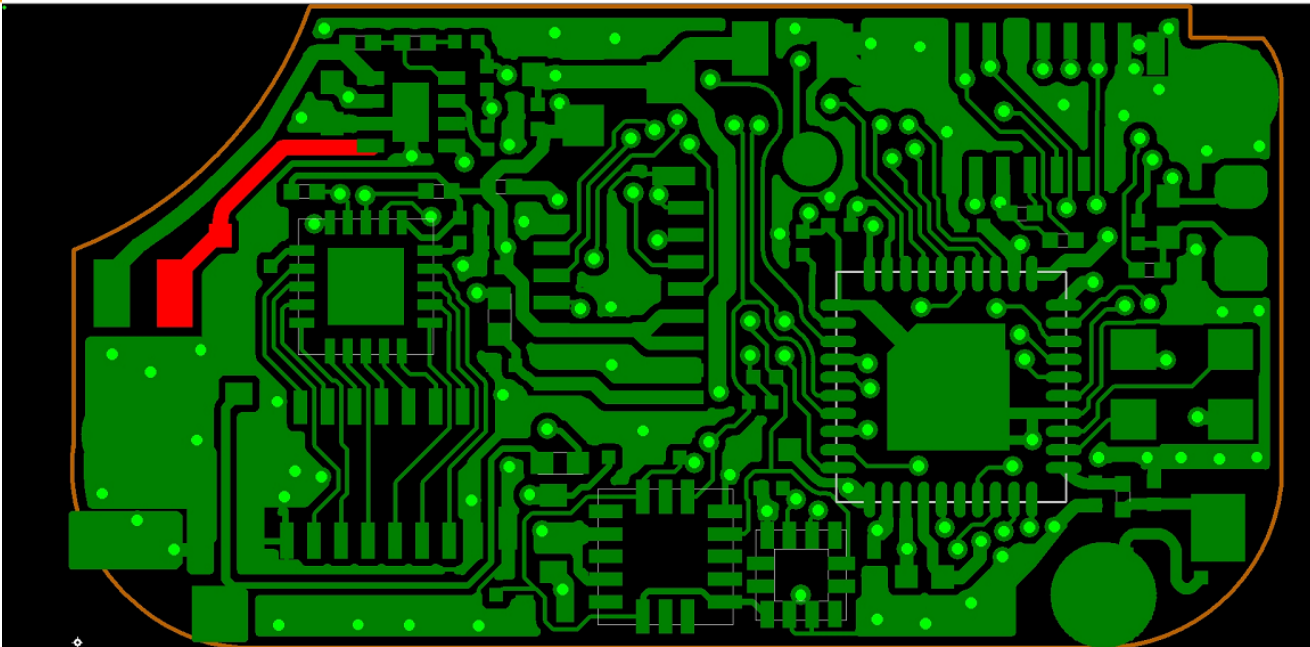


Testing 3D microwave darkroom(6m*6m*6m)

External Antenna

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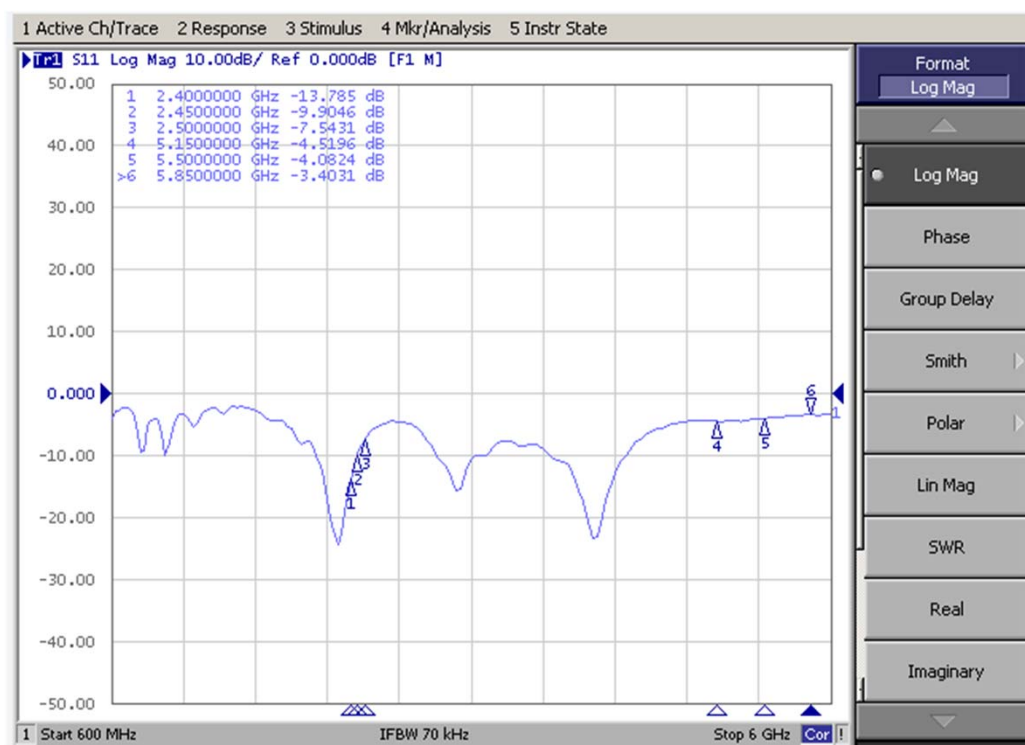
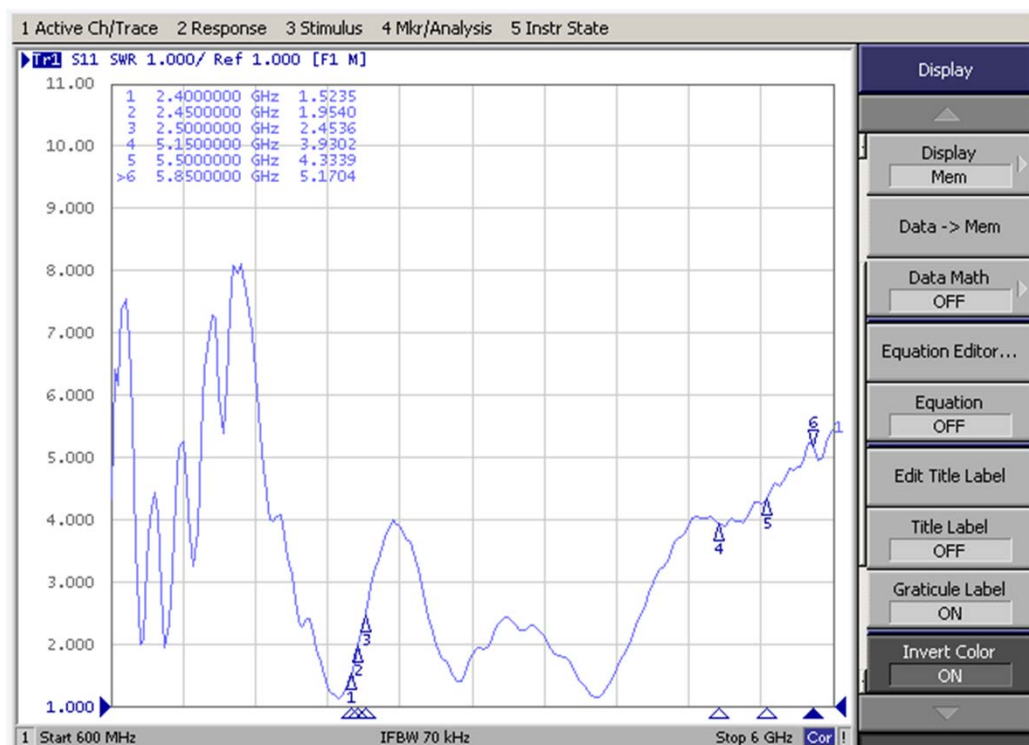
- Antenna name: 2.4G
- Antenna Type: Monopole
- Covers : 2.4G



Antenna

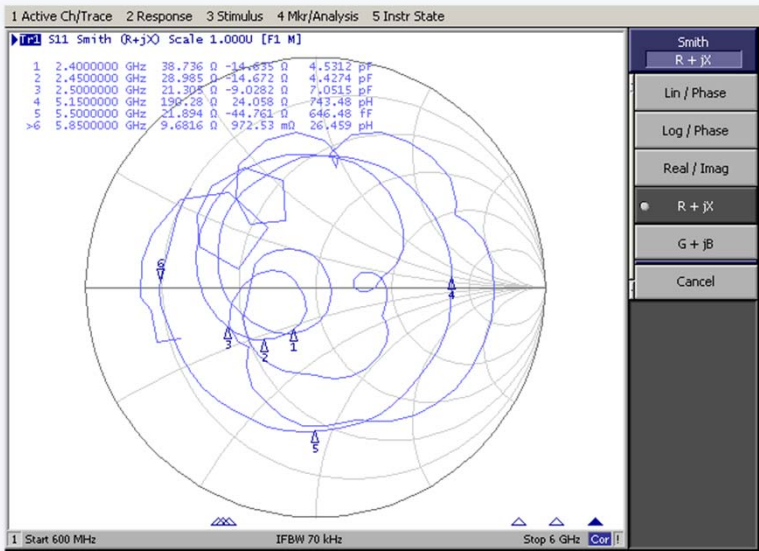
S Parameter_Return Loss&VSWR

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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)	-6.57	-6.60	-6.82	-7.08	-7.32	-7.40	-7.48	-7.50	-7.82	-8.34	-8.43
Efficiency (%)	2.12	2.05	2.01	1.99	1.99	2.03	1.97	1.88	1.72	1.48	1.41

