



好天线 · 优比造

东莞市优比电子有限公司

Dongguan UB Electronics Co., Ltd

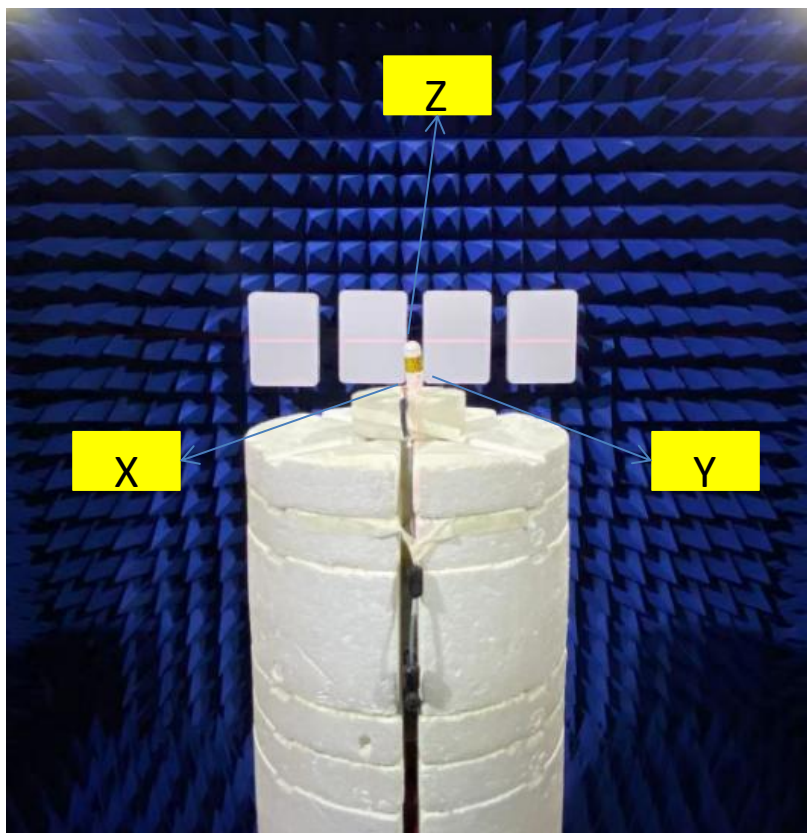
## Antenna Study

- **Client Name: Wuxi Yi Peng Trading Co., Ltd**
- **Project Name: Squirrel PRO Smart Health Massager**
- **Model: SV02**
- **Debugging frequency band: 2400-2500HMz**
- **Valuation date: 2025.06.04**

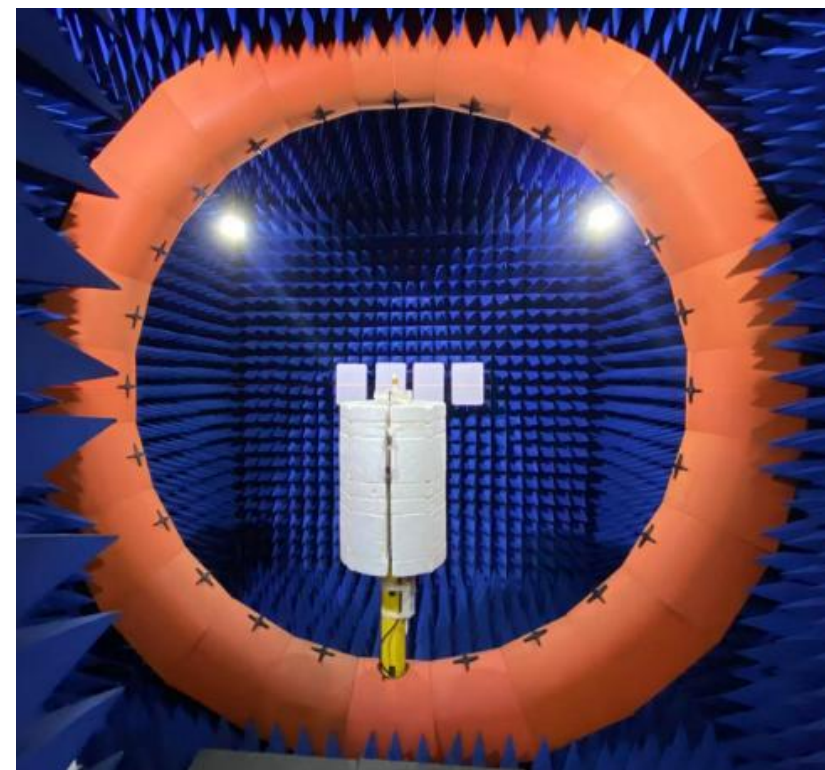
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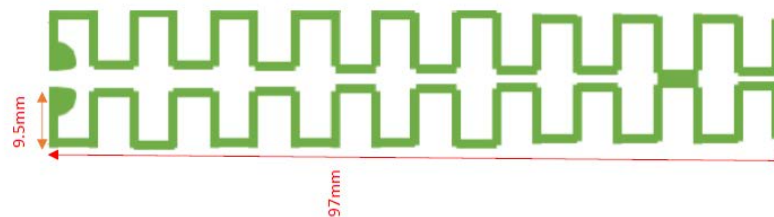


Testing environment



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

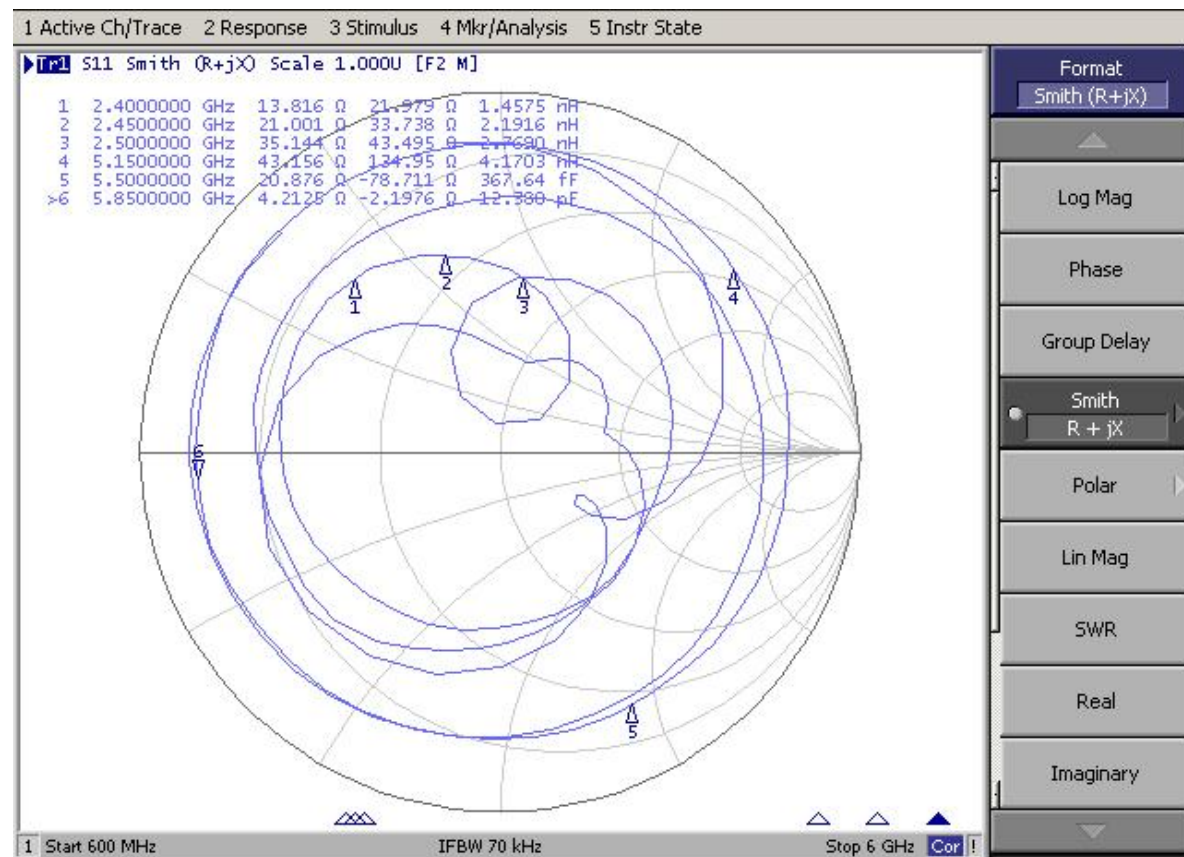
- Antenna name: 2.4G
- Covers : 2400/2500MHz



Antenna

# S Parameter\_Return Loss&VSWR-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)      | -2.87  | -2.92  | -2.81  | -2.44  | -2.13  | -1.68  | -1.63  | -1.85  | -1.79  | -1.72  | -1.86  |
| Efficiency (%)  | 16.21  | 17.01  | 16.80  | 16.40  | 16.72  | 17.45  | 17.61  | 17.64  | 16.99  | 16.44  | 16.17  |

