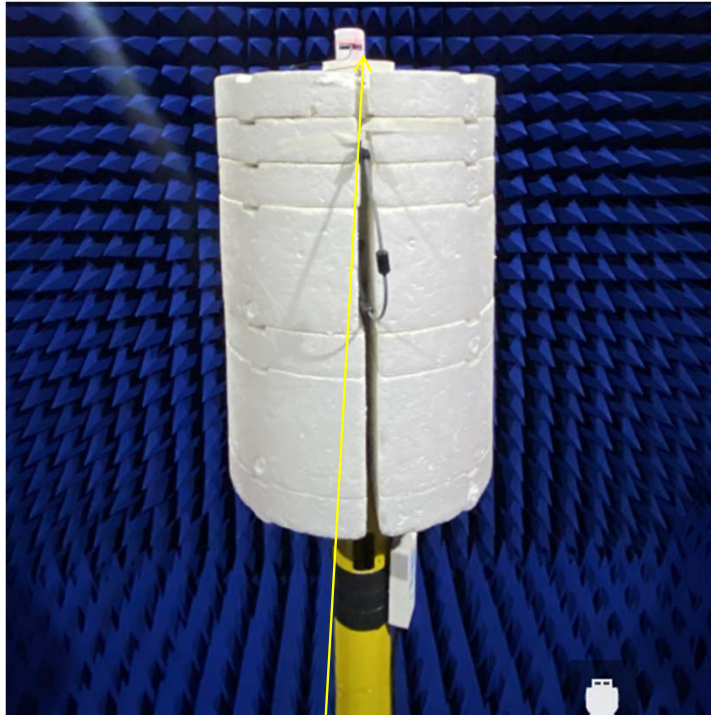


## Antenna Study

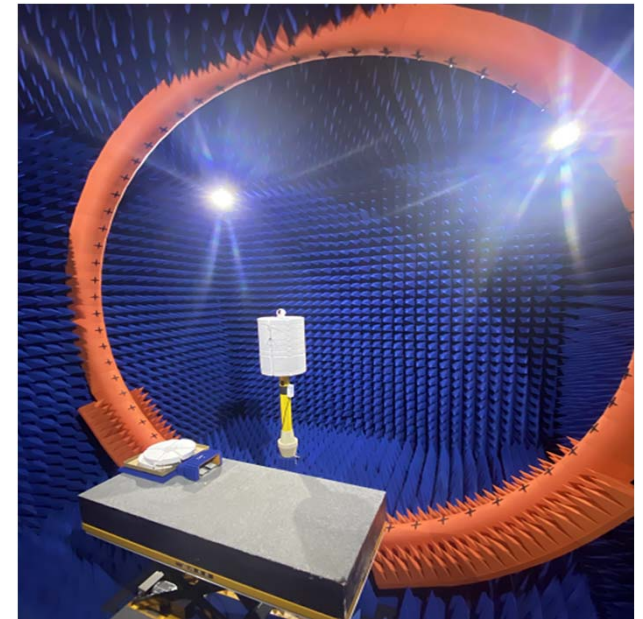
- **Client Name: Shenzhen Lesongge Technology Co., Ltd**
- **Project Name: Genkinno P2**
- **Debugging frequency band: 2.4G**
- **Valuation date: 2023.10.19**

# FPC antenna

Dongguan UB Electronics Co., Ltd



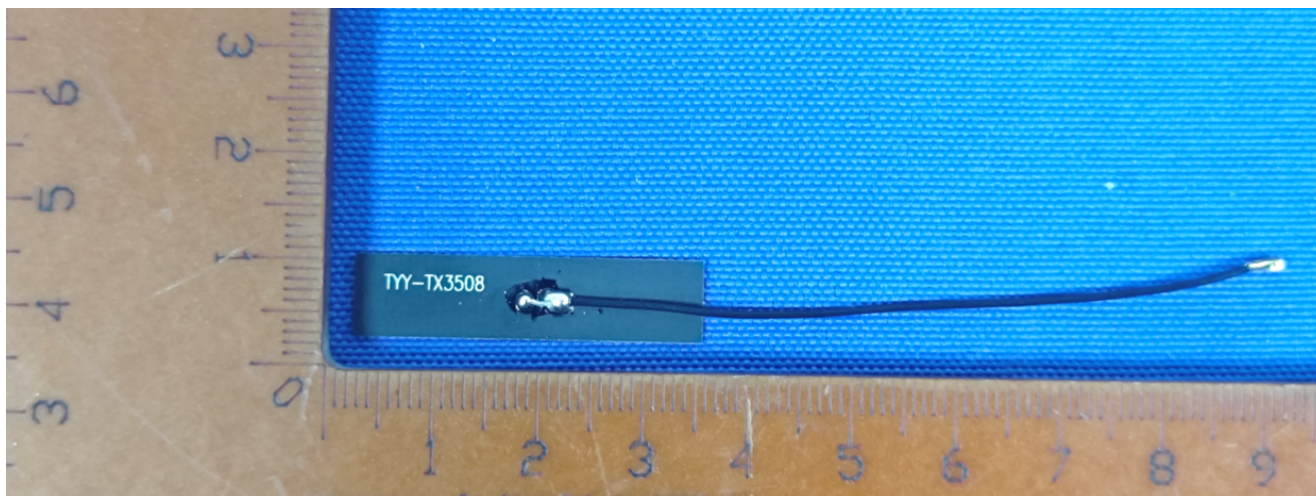
Testing environment



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

## FPC antenna

Dongguan UB Electronics Co., Ltd

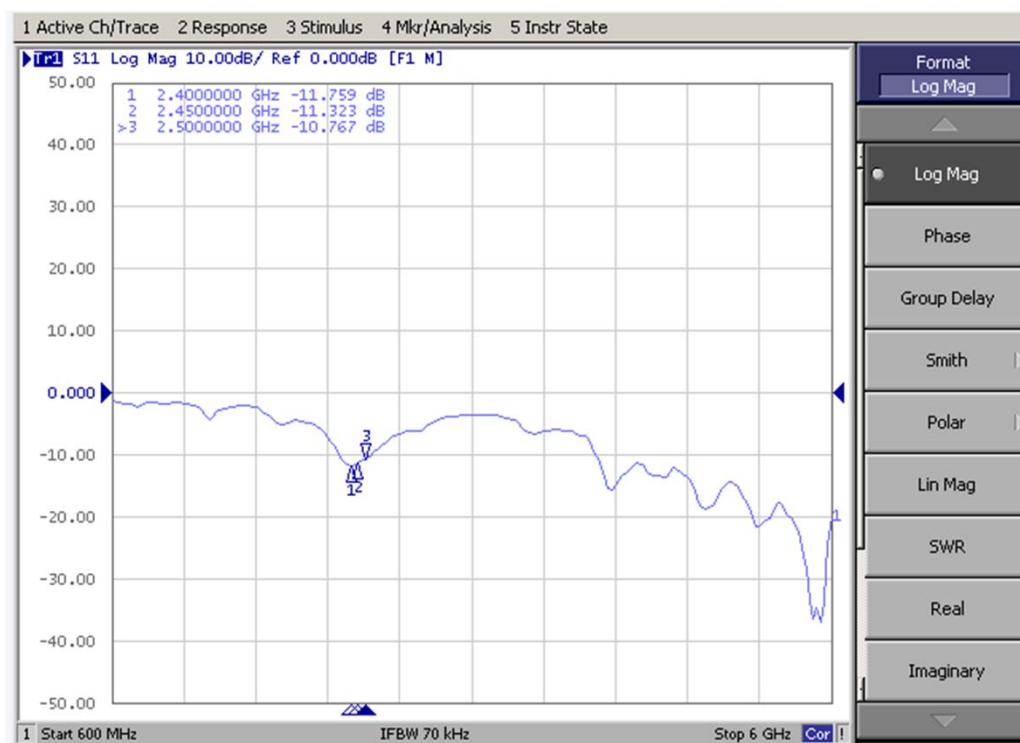


Antenna  
34\*8mm

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

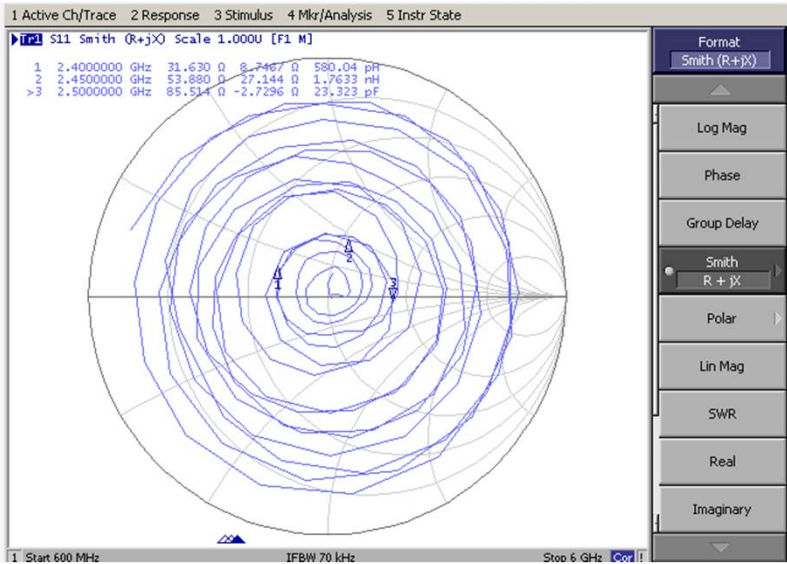
# S Parameter\_Return Loss&VSWR

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# 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)      | 1.61   | 1.70   | 1.53   | 1.04   | 0.61   | 0.98   | 1.47   | 1.37   | 0.80   | 0.55   | 0.78   |
| Efficiency (%)  | 61.80  | 61.18  | 57.07  | 55.09  | 55.70  | 56.65  | 58.26  | 57.79  | 54.45  | 53.58  | 52.65  |

