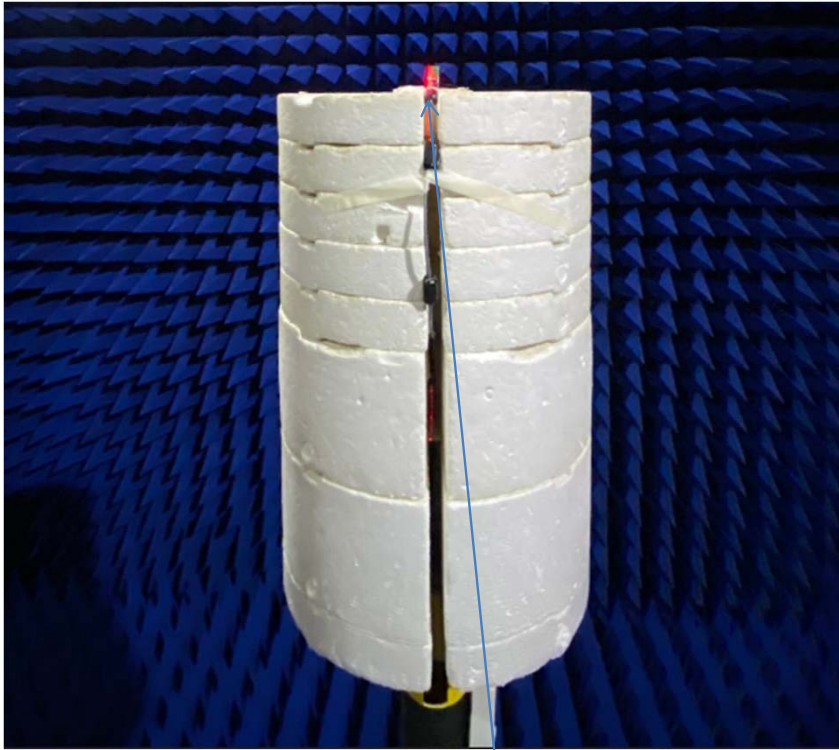


Antenna Study

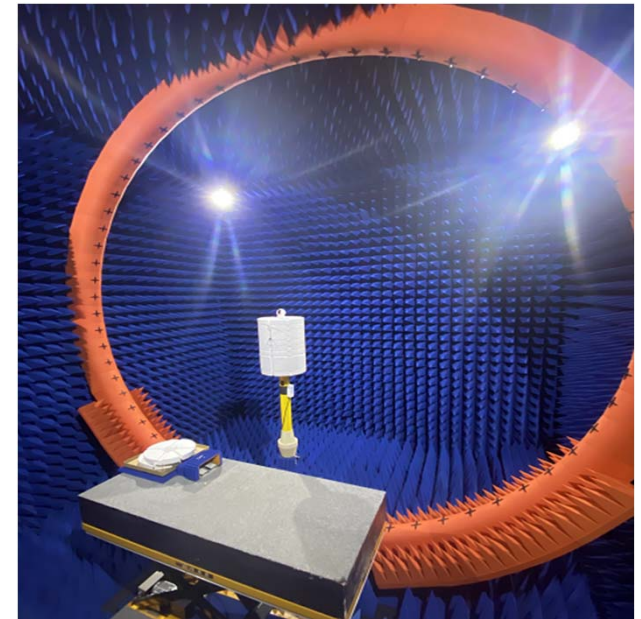
- **Client Name:JM Zengge Co.,Ltd**
- **Project Name : ZJ-ZBCJS-HC2-CT-1K-DZ-Pro-44S**
- **Debugging frequency band: 2400-2500HMz**
- **Valuation date: 2024.10.28**

PCB Antenna

Dongguan UB Electronics Co., Ltd



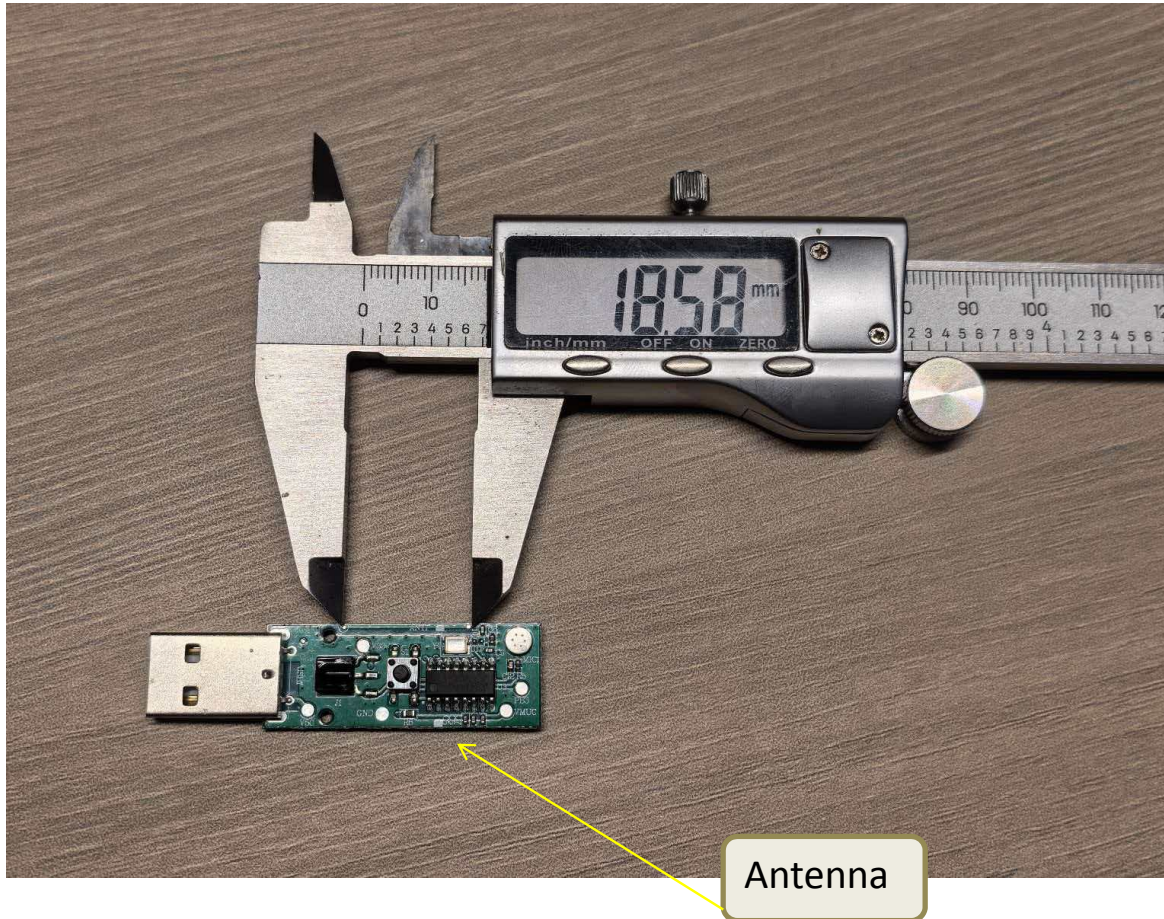
Testing environment



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

PCB Antenna

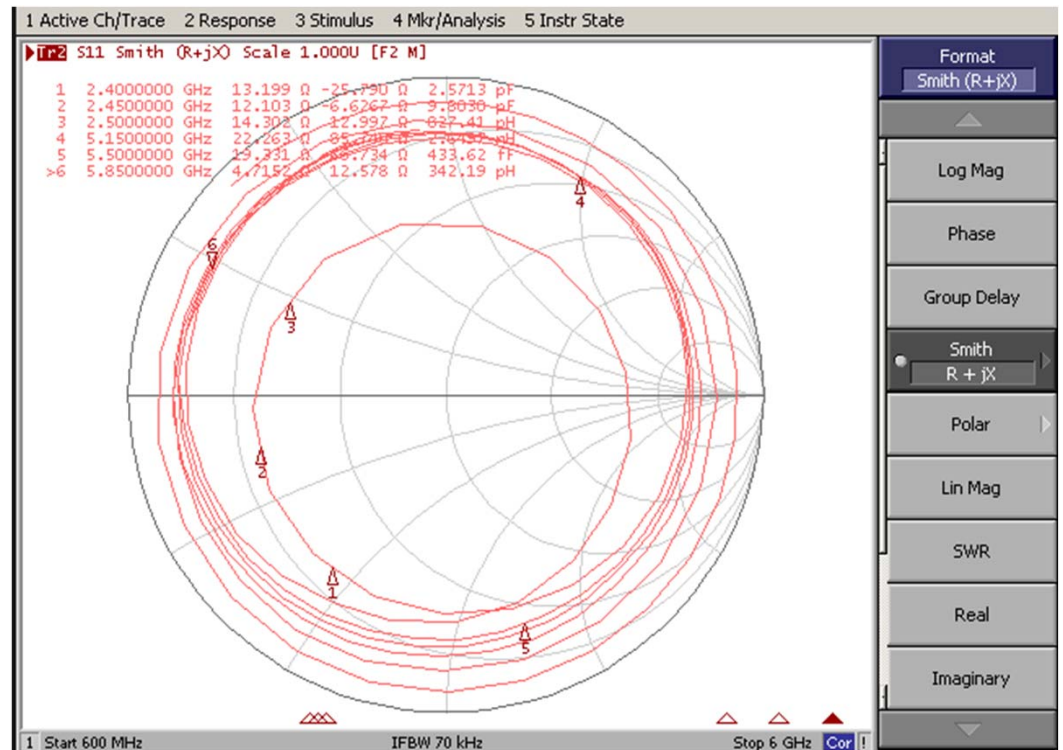
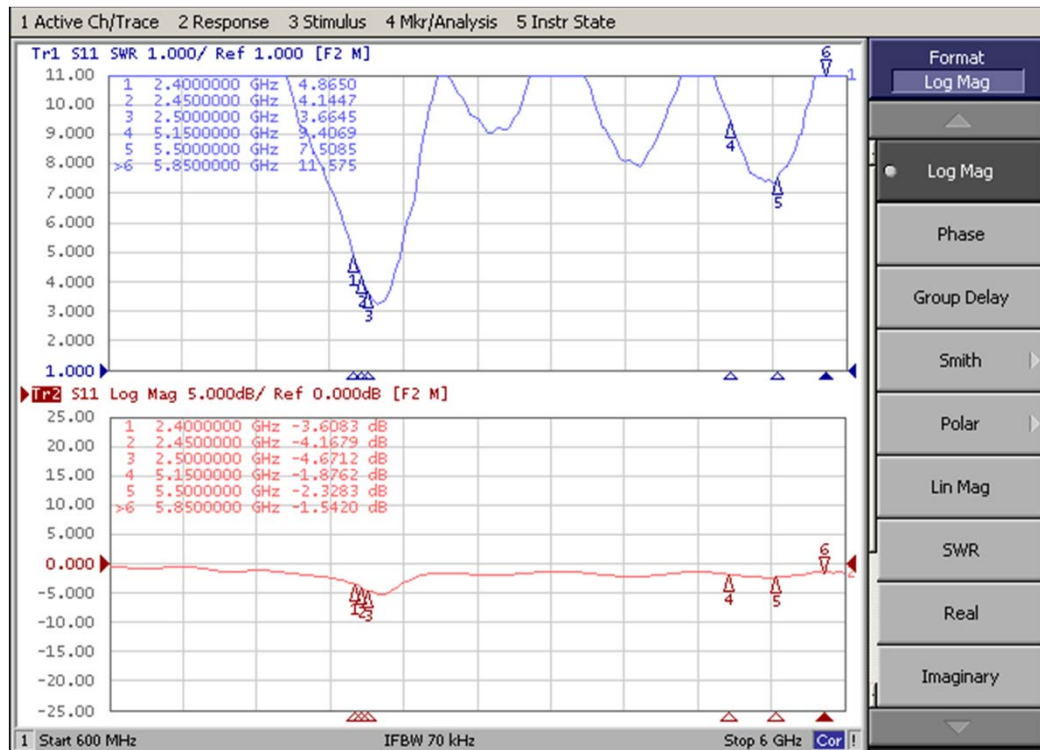
Dongguan UB Electronics Co., Ltd



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

S Parameter_Return Loss&VSWR-Smith

Dongguan UB Electronics Co., Ltd



Efficiency and Gain

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)	-0.46	0.03	-0.31	-0.32	-0.15	0.00	0.13	0.13	0.17	0.39	0.43
Efficiency (%)	27.44	27.20	25.18	25.35	26.65	27.47	29.99	30.30	27.76	26.91	27.00

