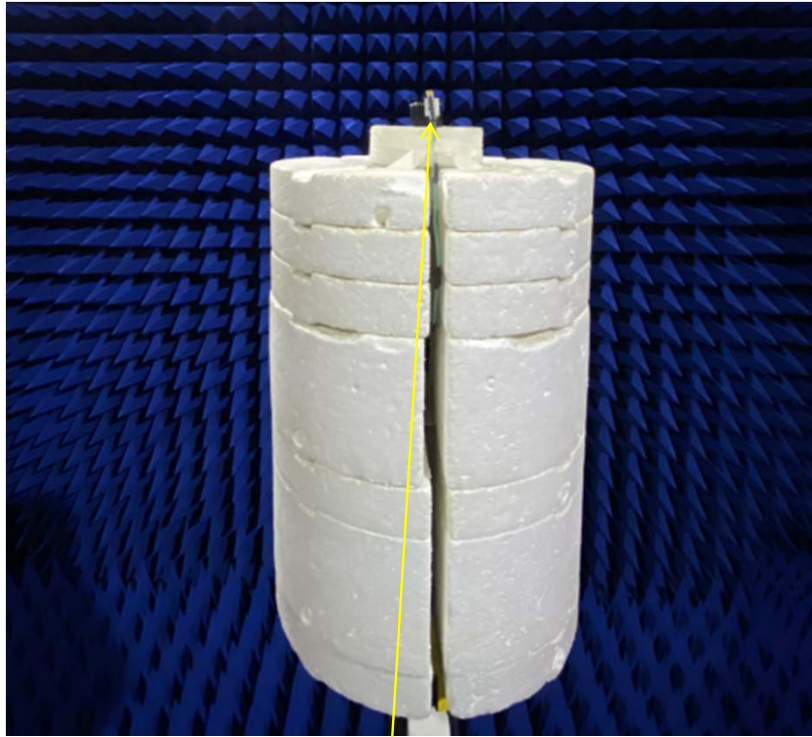


Antenna Study

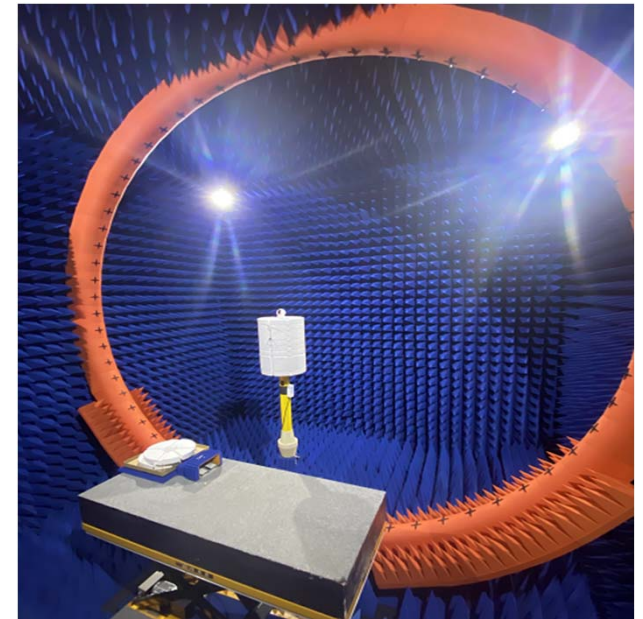
- **Client Name:UAB OBDeleven**
- **Project Name : OBDeleven Gen2**
- **Debugging frequency band: 2400-2500HMz**
- **Valuation date: 2024.05.11**
- **Linkman contacts: gao shang 18925546490**

PCB Antenna

Dongguan UB Electronics Co., Ltd



Testing environment



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

PCB Antenna

Dongguan UB Electronics Co., Ltd

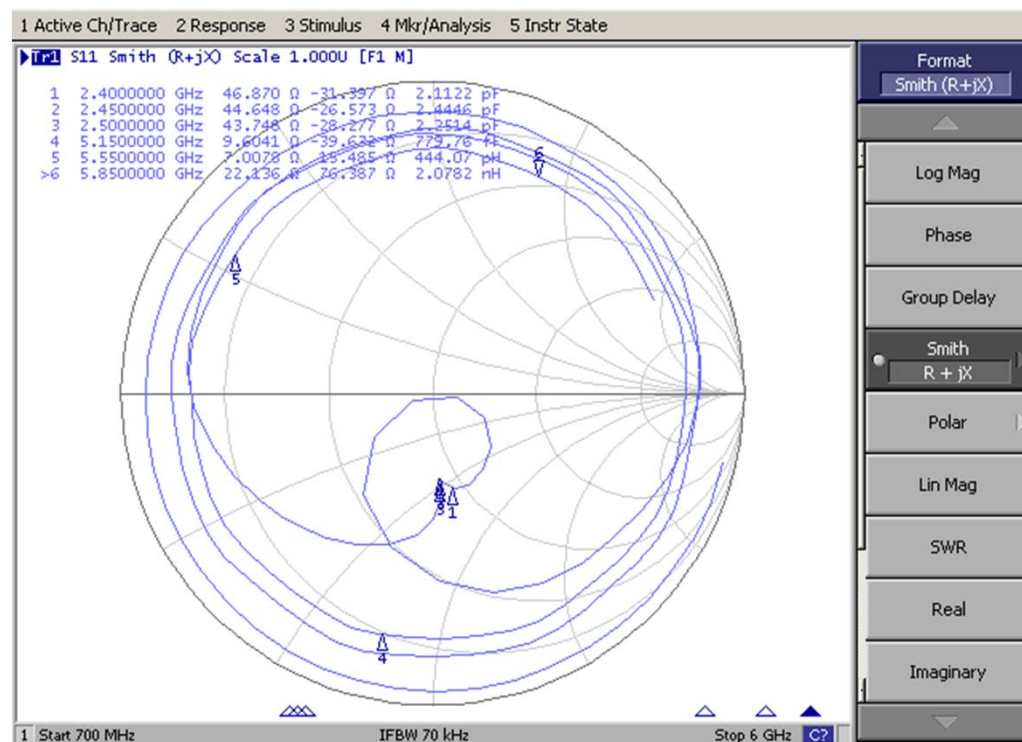
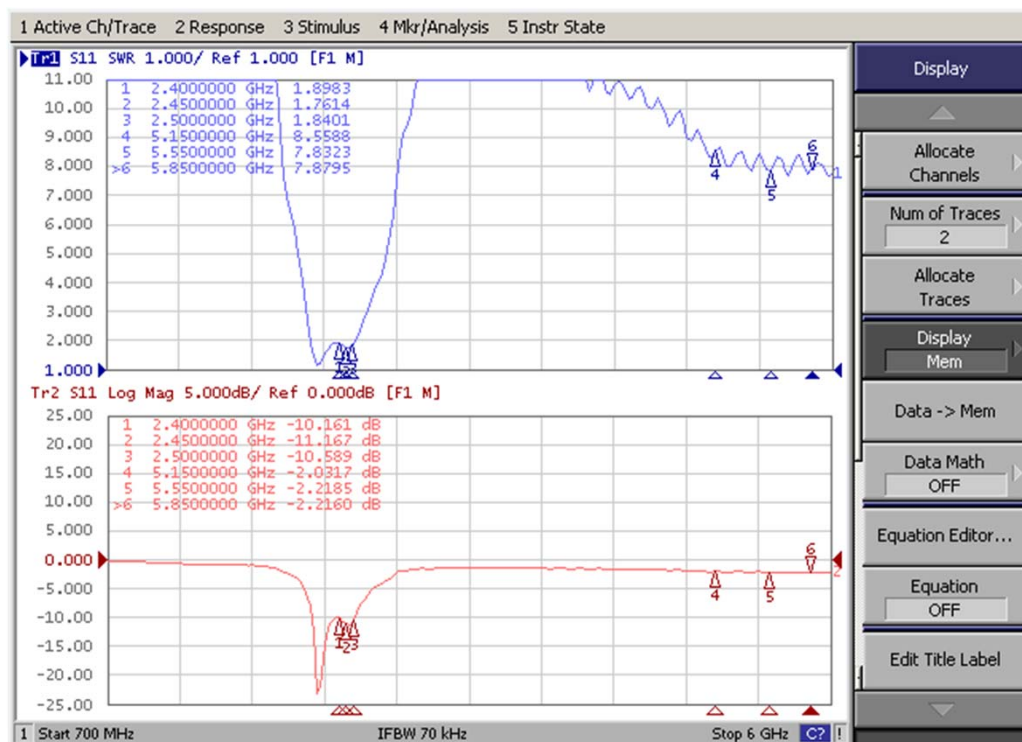


Antenna

- 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)	-5.14	-4.85	-4.54	-4.58	-4.78	-4.47	-3.93	-3.87	-4.12	-3.94	-3.84
Efficiency (%)	13.56	14.37	15.47	16.12	15.81	15.49	15.81	16.66	16.86	17.57	17.29

