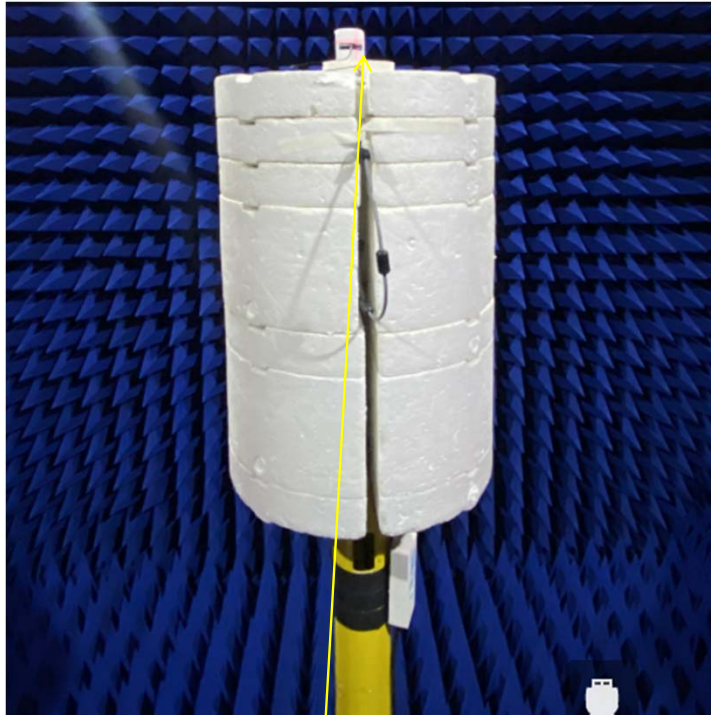


Antenna Study

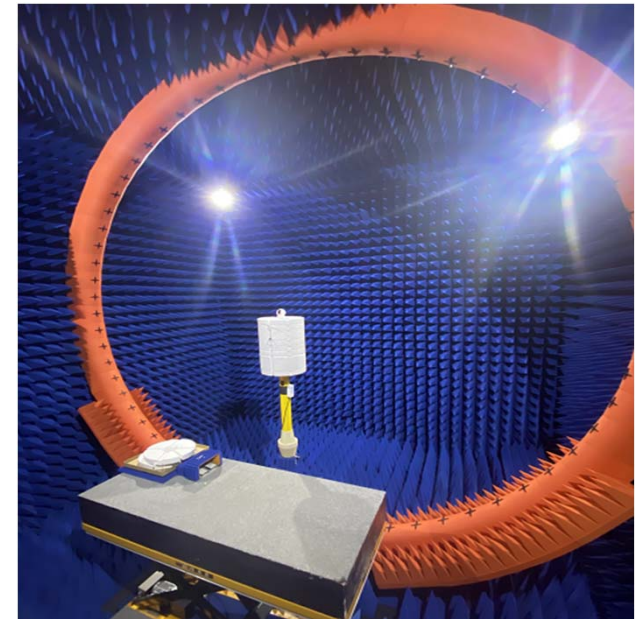
- **Client Name:** Eccel Technology Limited
- **Project Name:** wifi antenna
- **Debugging frequency band:** 2.4G
- **Valuation date:** 2023.07.13

wifi antenna

Dongguan UB Electronics Co., Ltd



Testing environment



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

wifi antenna

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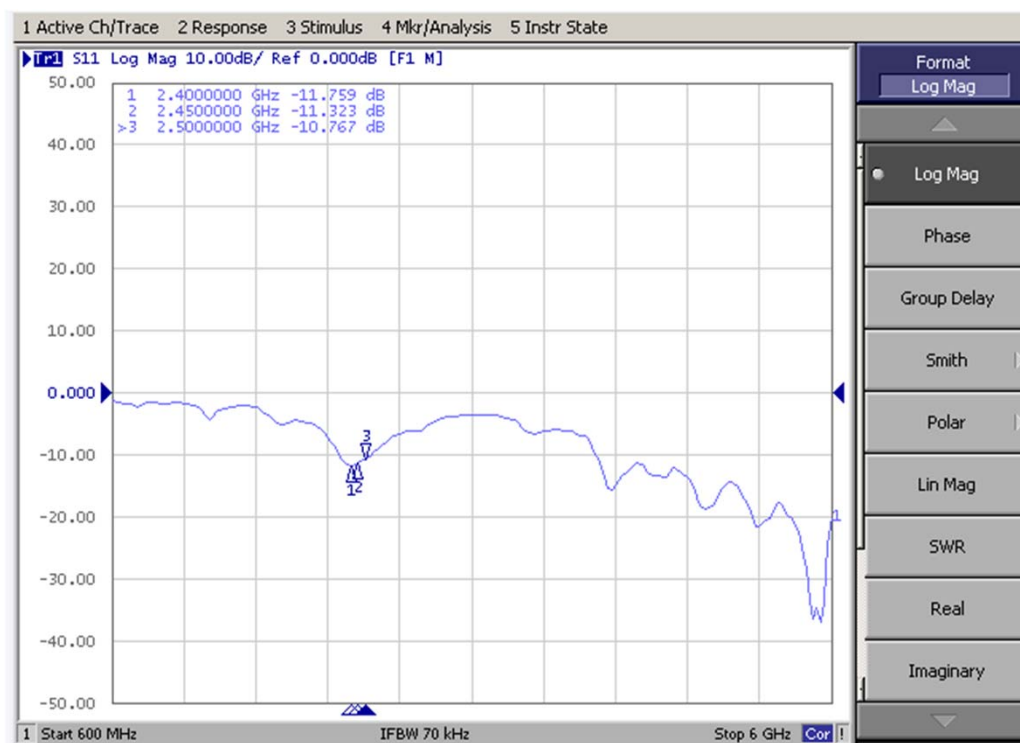


Antenna

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

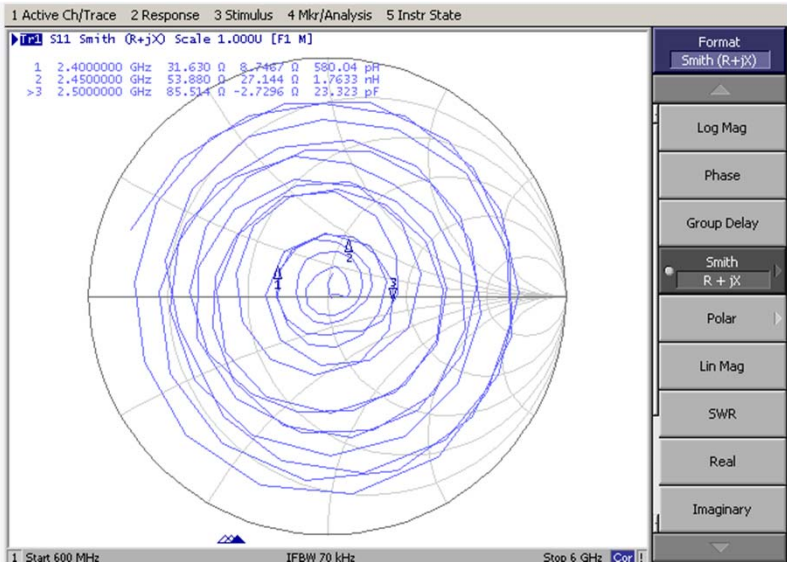
S Parameter_Return Loss&VSWR

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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)	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

