



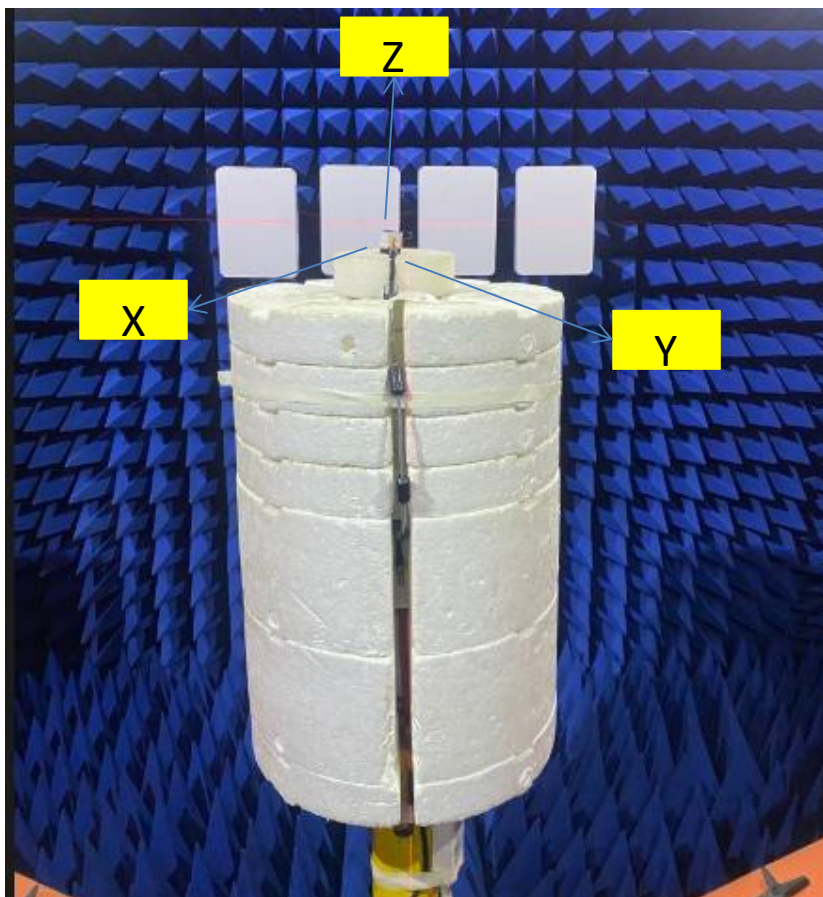
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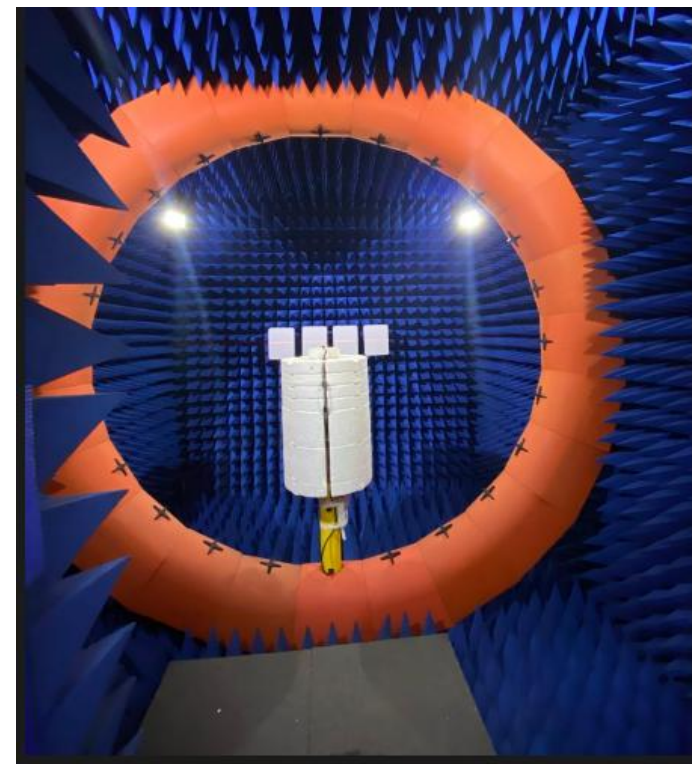
Dongguan UB Electronics Co., Ltd

Antenna Study

- **Client Name: AUTHOR-ALARM d.o.o**
- **Address: Koroška ulica 26, 1000 Ljubljana, Slovenija**
- **Project Name: Anti-theft device**
- **Model: IGLA ALARM**
- **Debugging frequency band: 2400-2500HMz**
- **Valuation date: 2024.12.20**

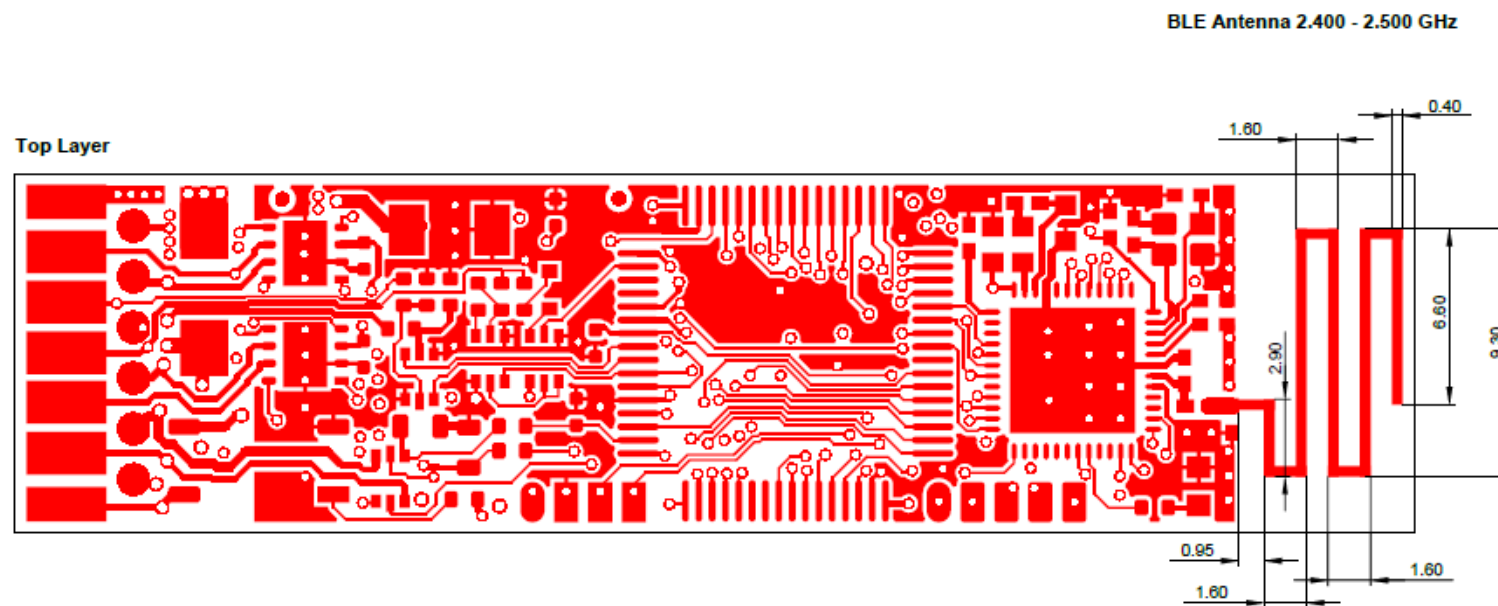


Testing environment



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

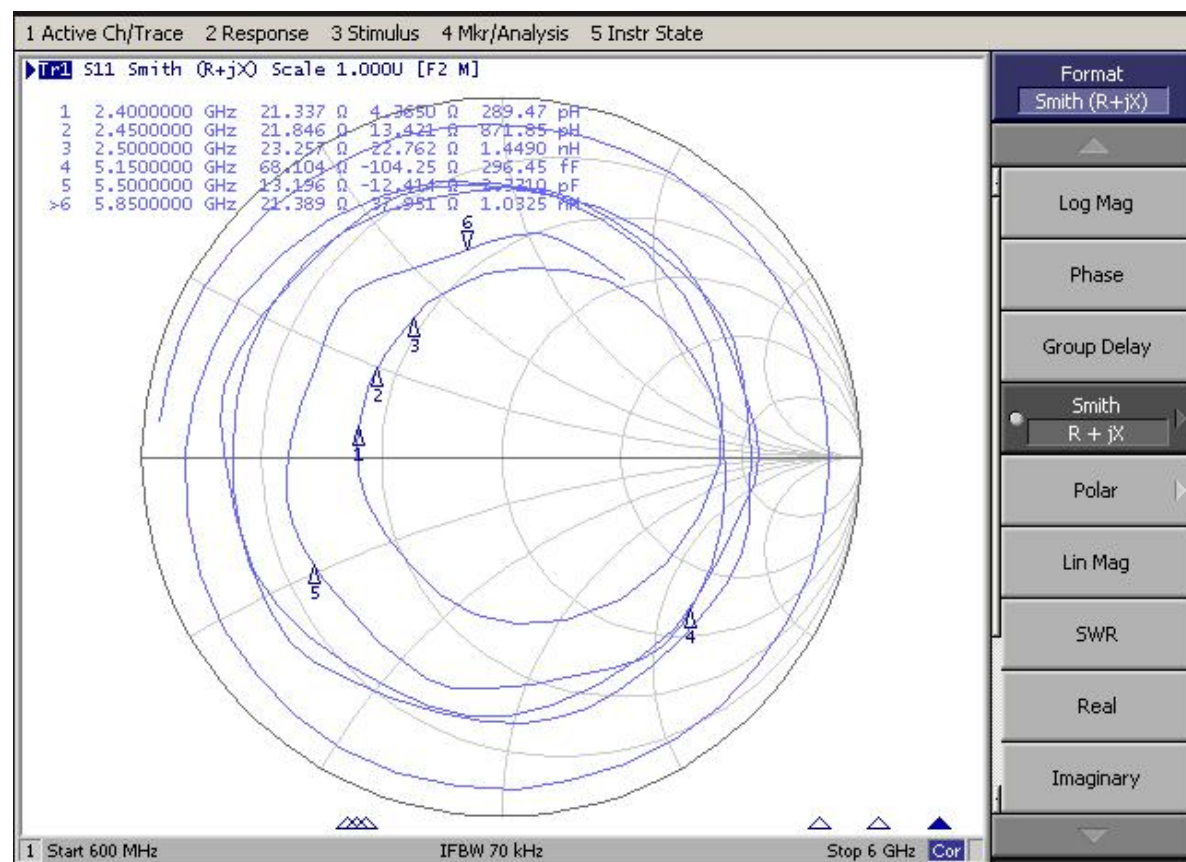
- Antenna name: 2.4G
- Covers : 2400/2500MHz



Antenna

S Parameter_Return Loss&VSWR-Smith

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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)	2.18	2.17	1.41	0.85	0.84	0.31	0.35	0.63	0.81	0.65	1.00
Efficiency (%)	50.47	49.36	45.95	44.39	43.97	43.55	43.36	44.45	46.85	44.49	47.23

