



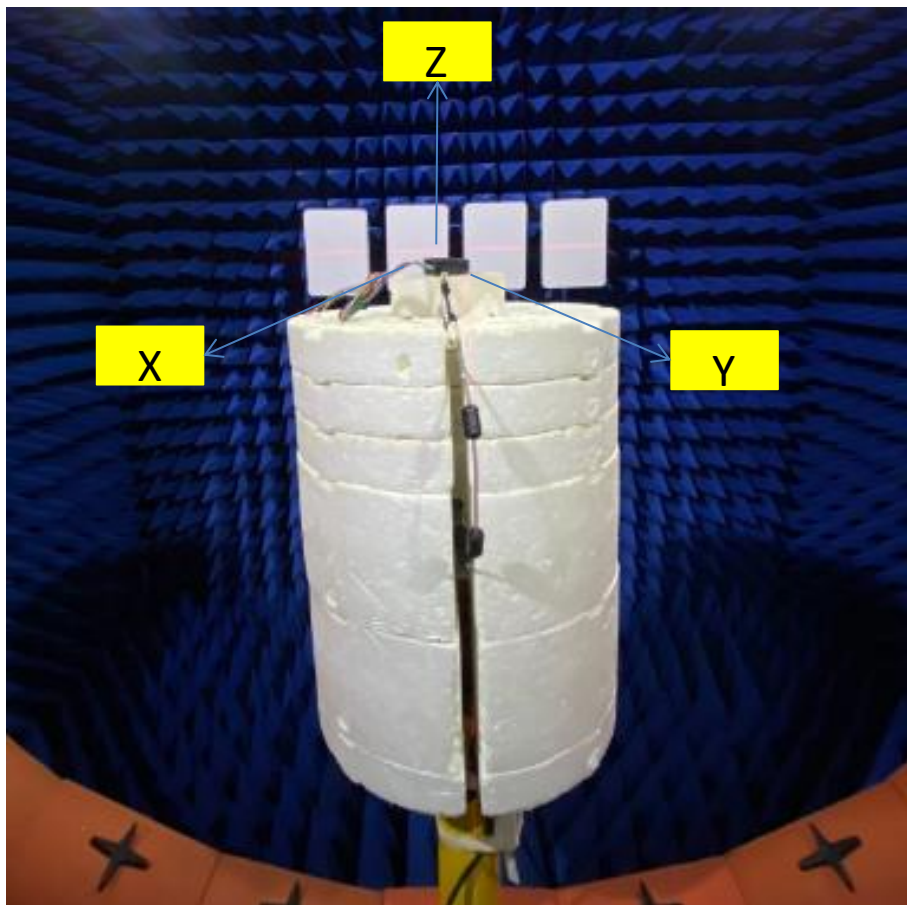
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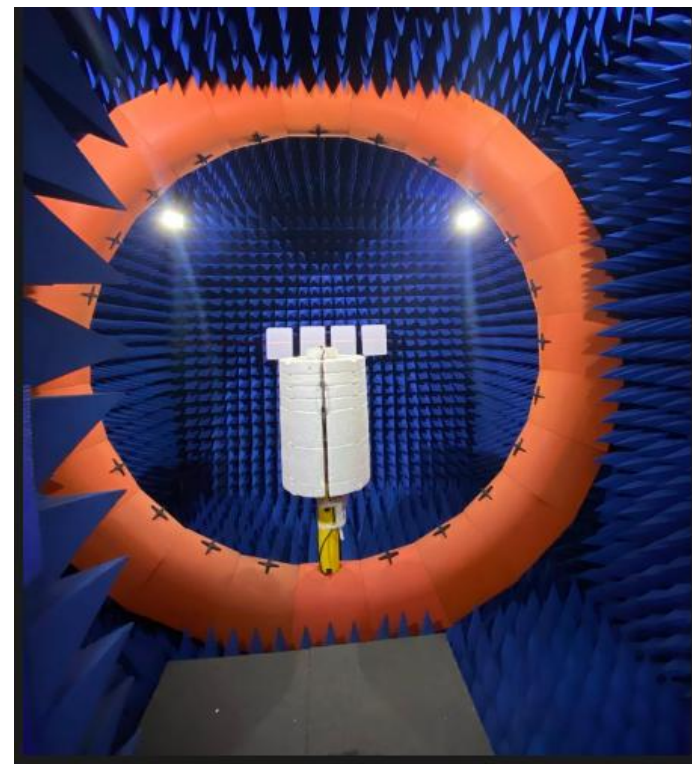
Dongguan UB Electronics Co., Ltd

Antenna Study

- **Client Name: AUTHOR-ALARM d.o.o**
- **Address: Koroška ulica 26, 1000 Ljubljana, Slovenija**
- **Project Name: Anti-theft device**
- **Model: SIREN BT**
- **Debugging frequency band:
2400-2500HMz**
- **Valuation date: 2024.12.23**



Testing environment



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

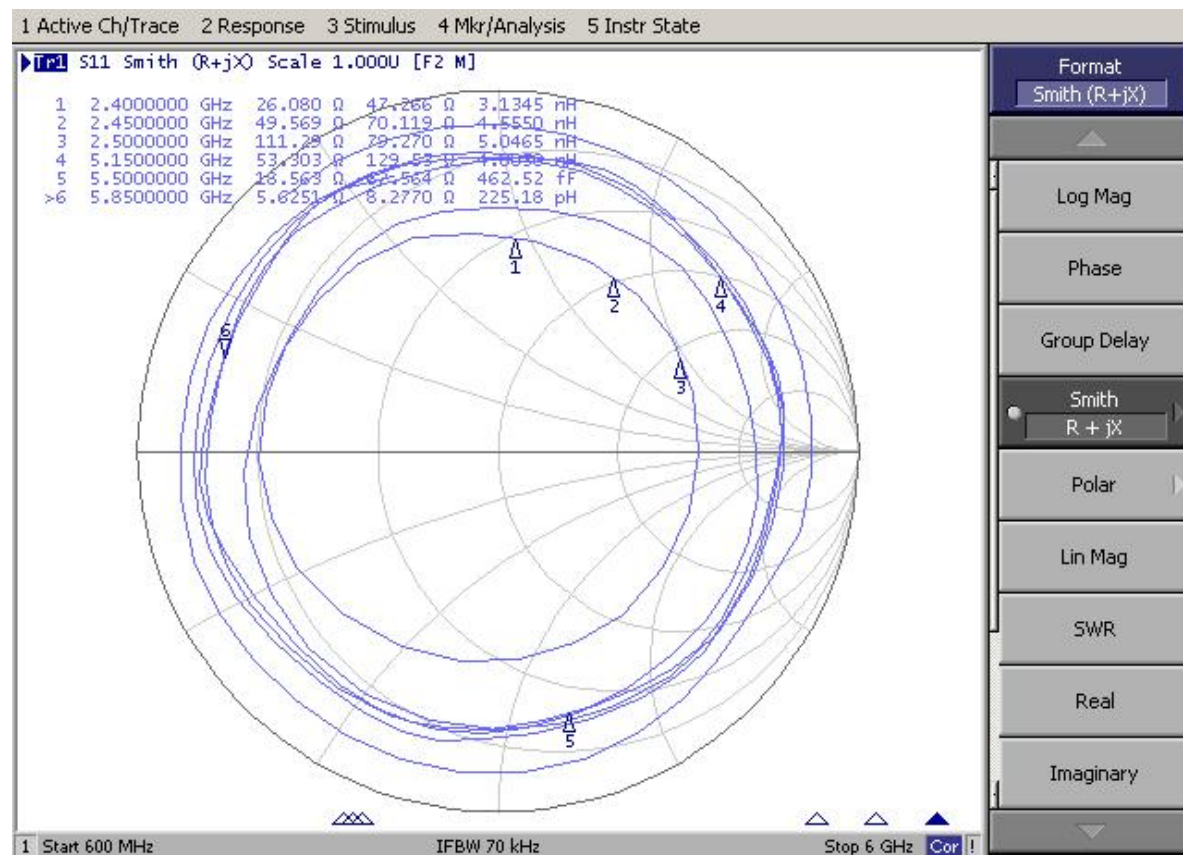
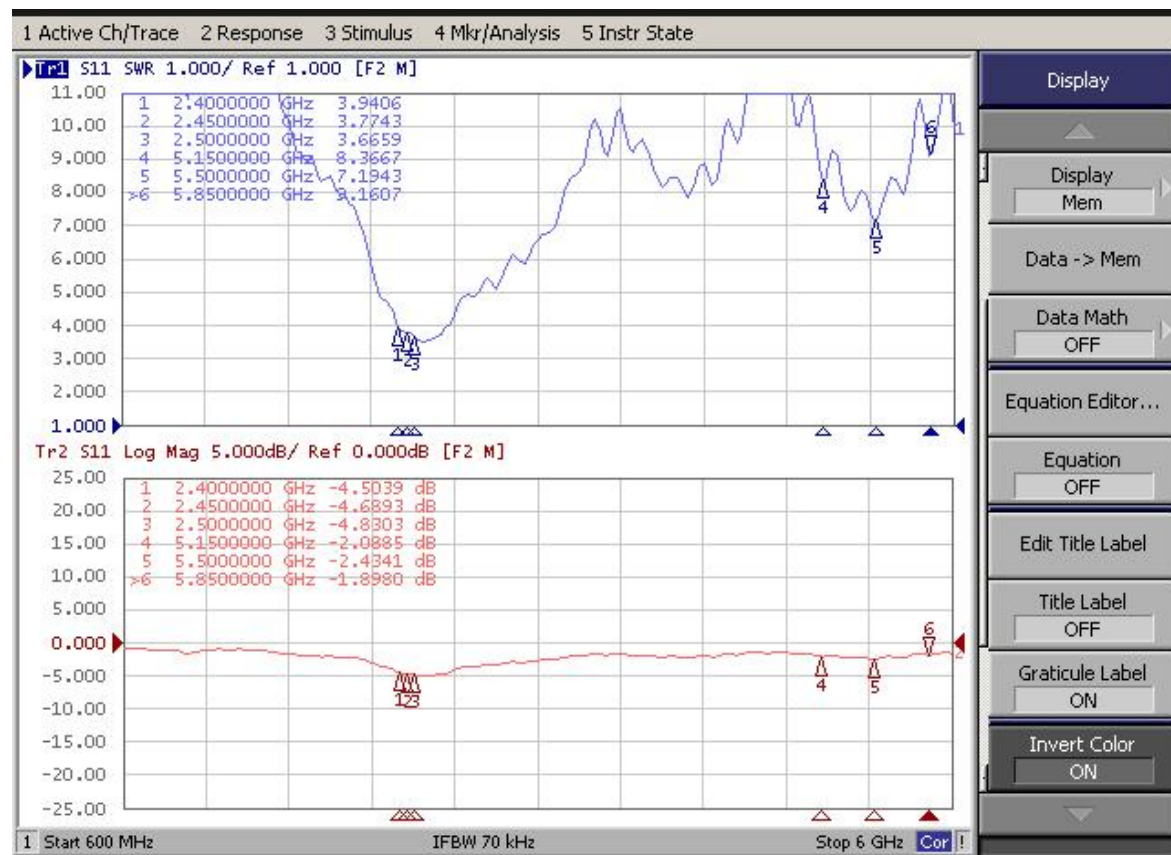


- Antenna name: 2.4G
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- Covers : 2400/2500MHz

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)	-0.87	-1.27	-0.96	-1.10	-1.30	-1.05	-1.29	-1.12	-0.50	-0.02	0.47
Efficiency (%)	19.32	18.00	18.29	17.56	17.75	18.10	17.29	18.50	19.78	21.80	22.59

