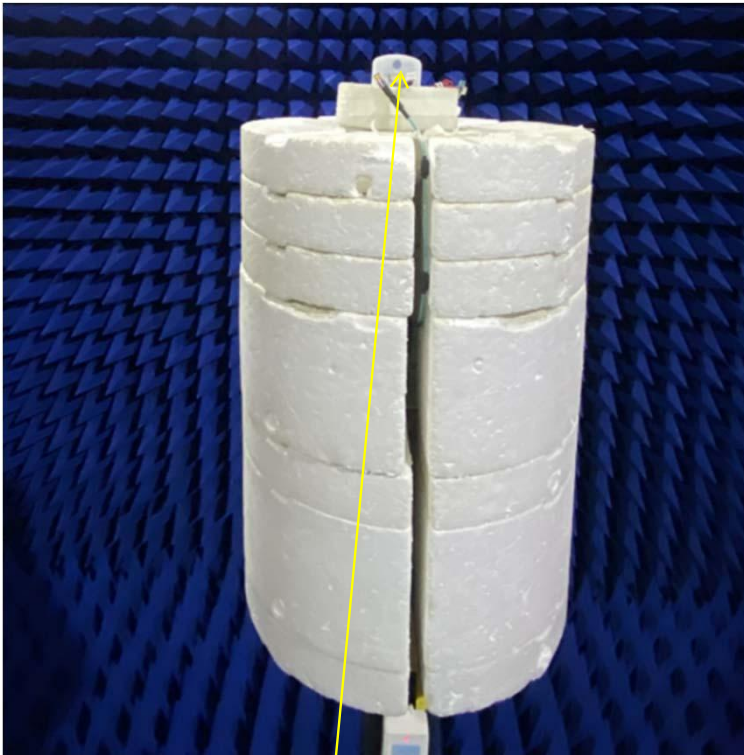
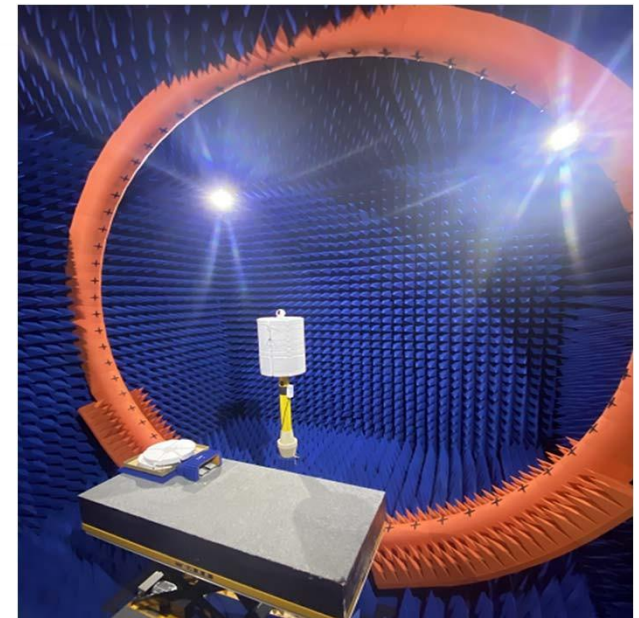


Antenna Study

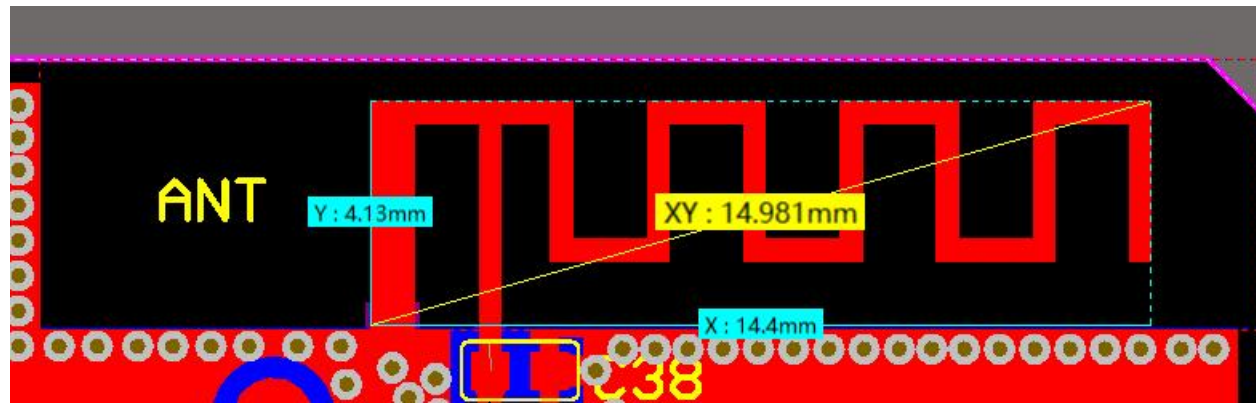
- **Client Name: TOWNSTEEL INC.**
- **Project Name: NET DOOR LOCK**
- **Debugging frequency band: 900/930/2400/2500HMz**
- **Valuation date: 2024.05.15**
- **Linkman contacts: gao shang 18925546490**



Testing environment



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

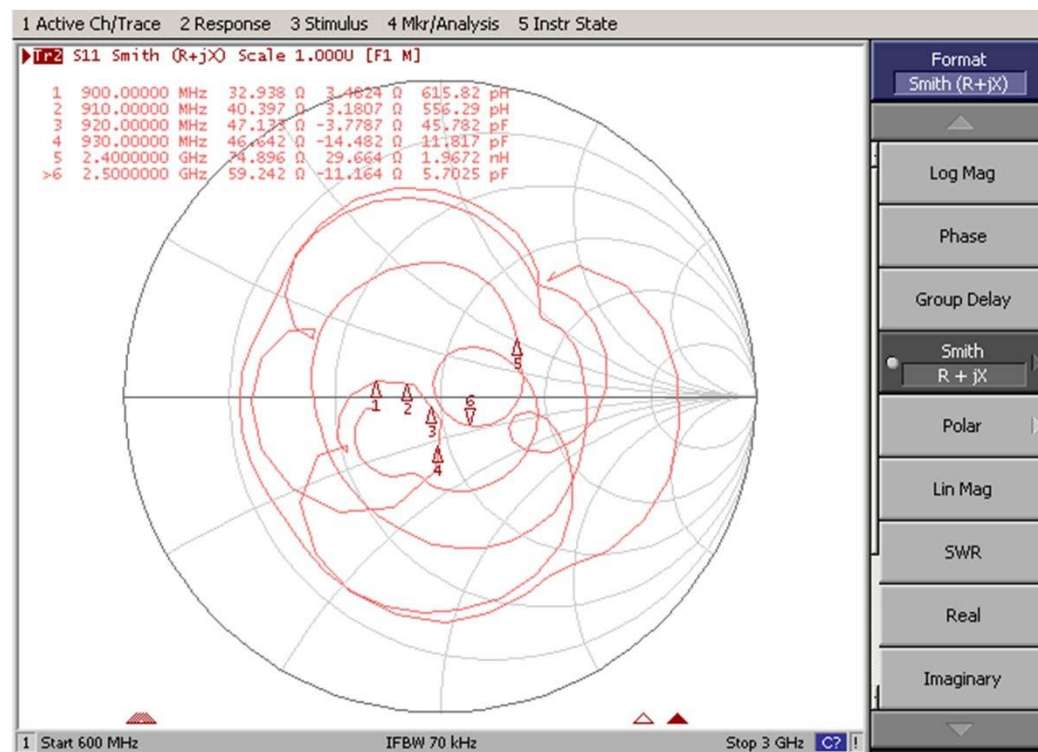
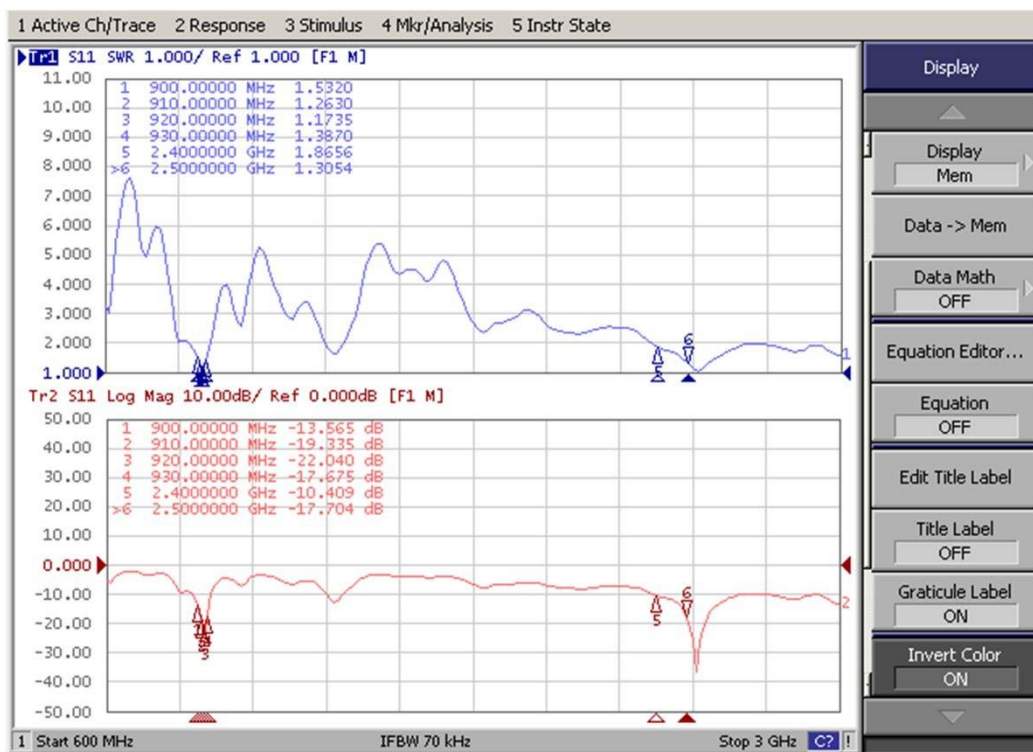


- Antenna name: NDL-ANT
- Antenna Type: PCB Antenna
- Covers : 900/930/2400/2500MHz

antenna position

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	12	13	14	15	16
Frequency (MHz)	900.0	902.0	904.0	906.0	908.0	910.0	912.0	914.0	916.0	918.0	920.0	922.0	924.0	926.0	928.0	930.0
Gain (dBi)	1.91	2.01	2.02	2.05	2.09	2.14	2.17	2.10	2.14	2.16	2.15	2.15	2.17	2.19	2.23	2.23

17	18	19	20	21	22	23	24	25	26	27
2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
2.07	2.02	2.03	2.05	2.04	2.03	2.02	2.23	2.10	2.17	2.11

