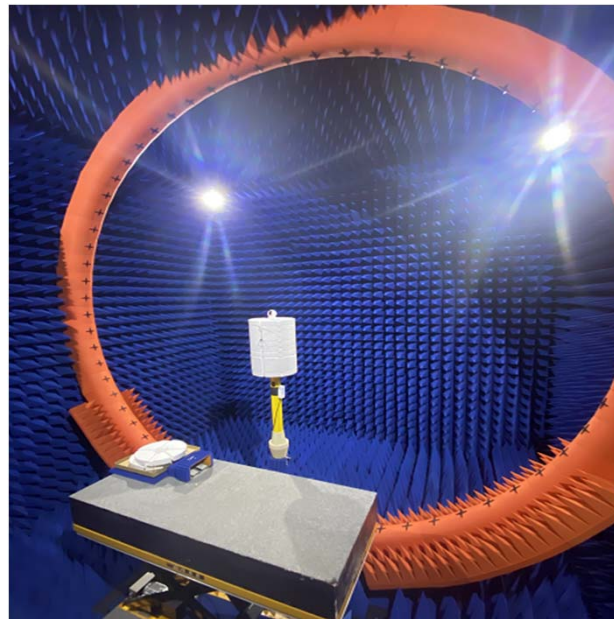


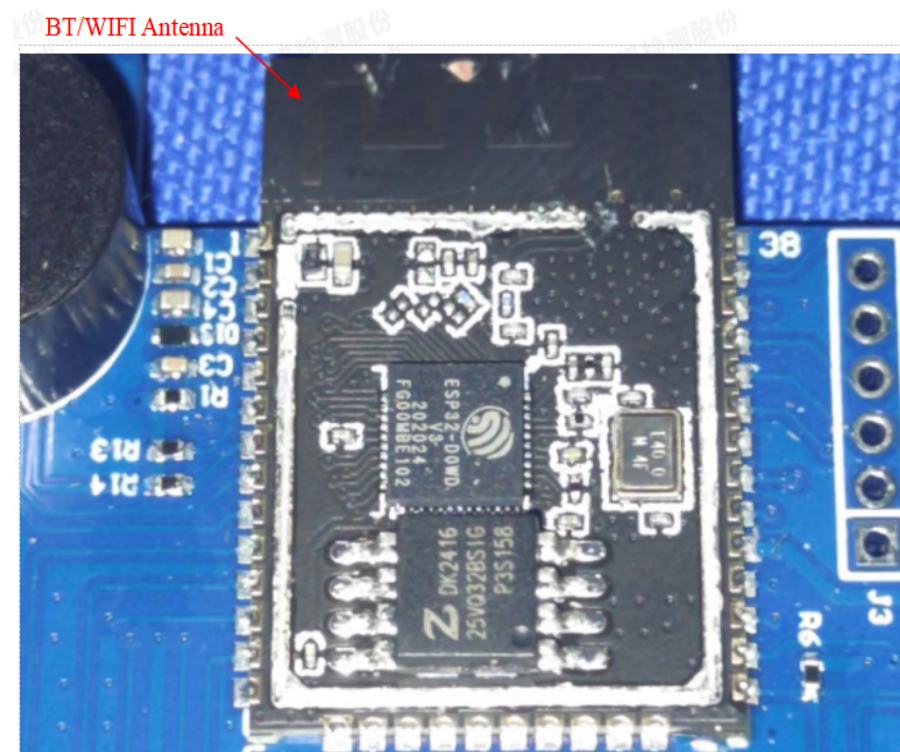
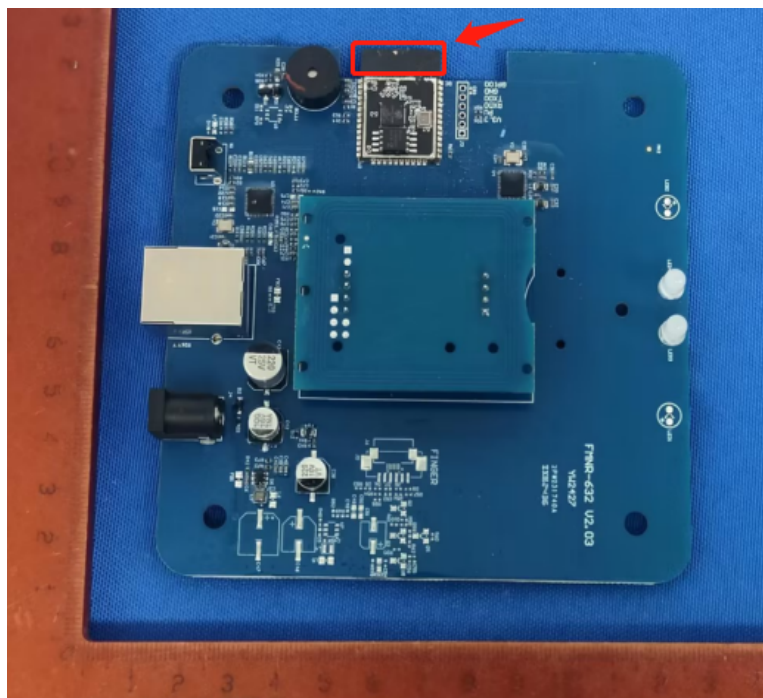
Antenna Study

- **Client Name: TOWNSTEEL INC.**
- **Project Name : Aegis Network Encoder**
- **Debugging frequency band: 2400-2500HMz**
- **Valuation date: 2024.05.15**
- **Linkman contacts: gao shang 18925546490**



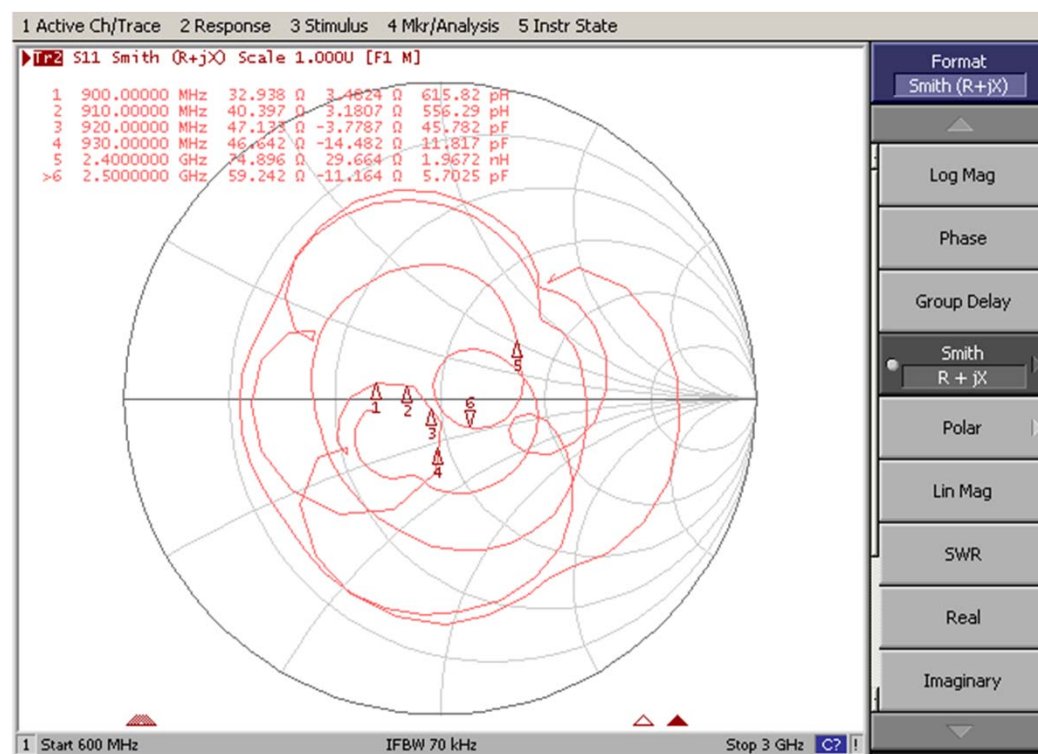
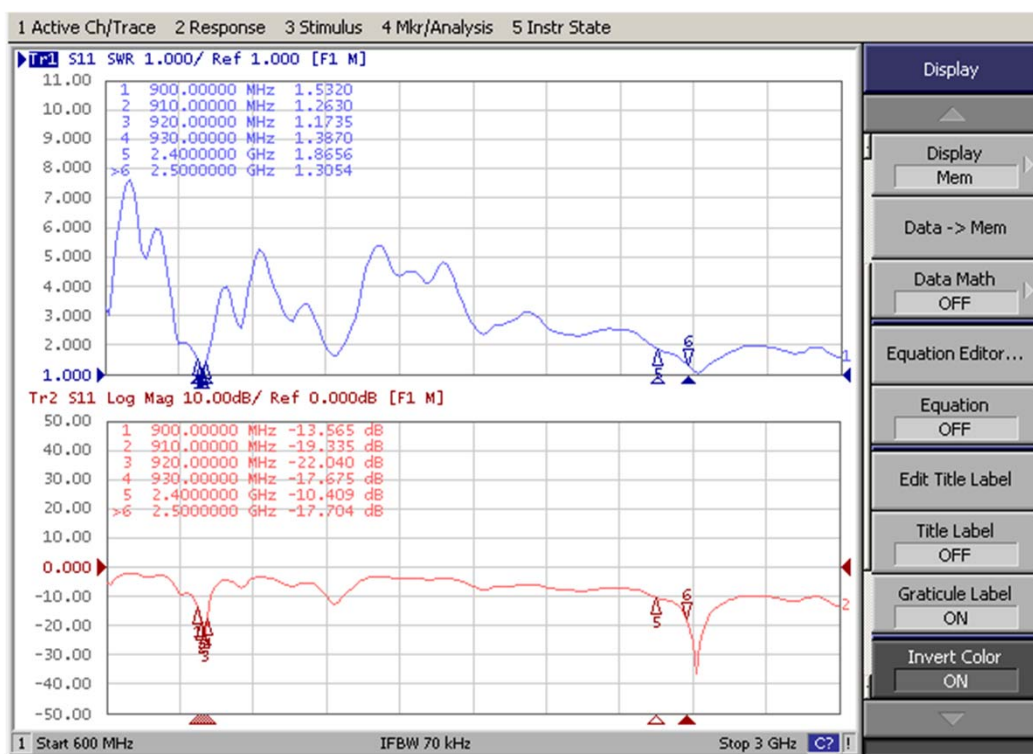
Testing 3D microwave darkroom(6m*6m*6m)

Antenna Size



S Parameter_Return Loss&VSWR-Smith

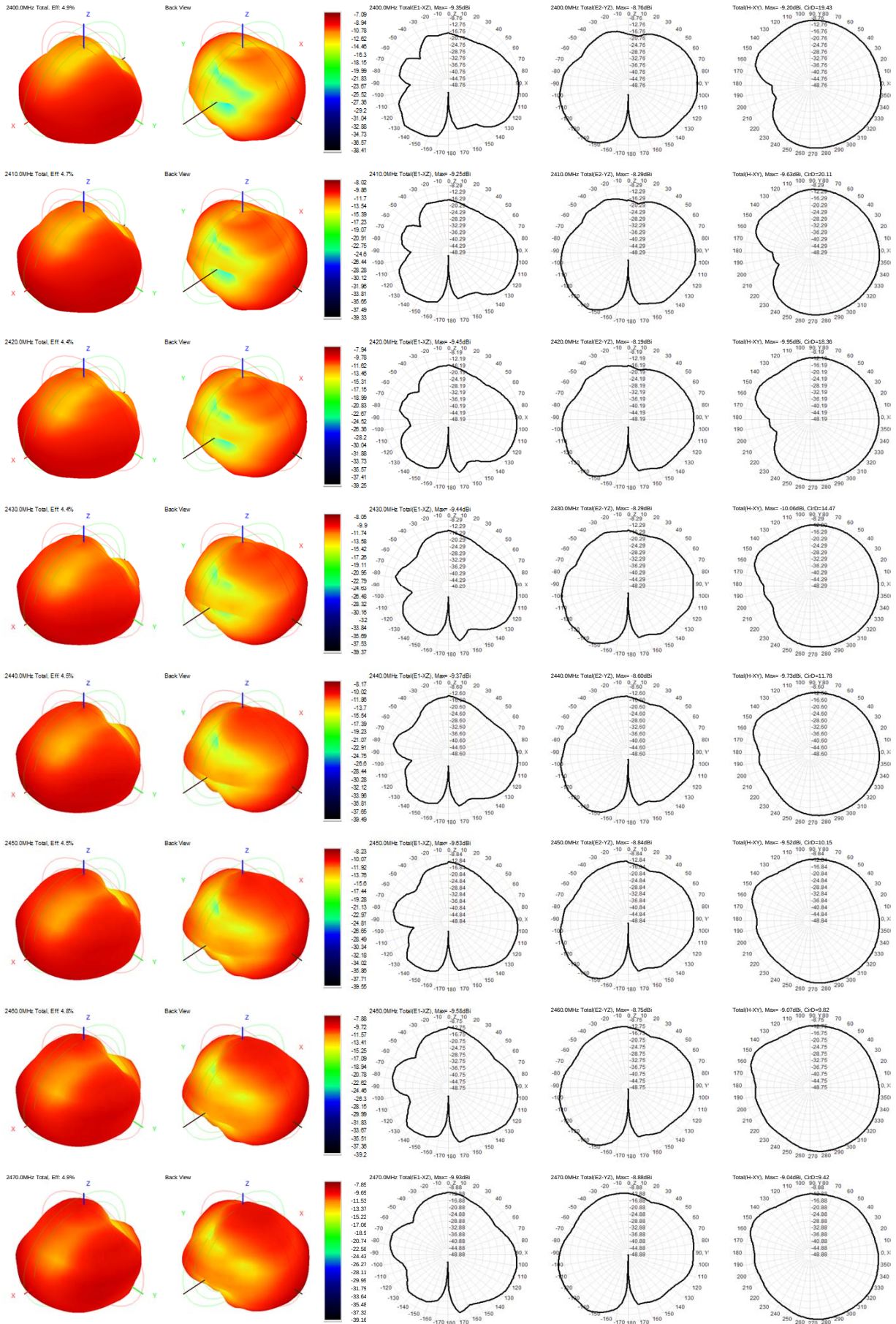
Dongguan UB Electronics Co., Ltd



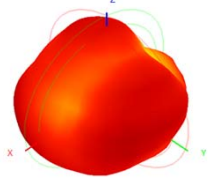
Efficiency and Gain

Dongguan UB Electronics Co., Ltd

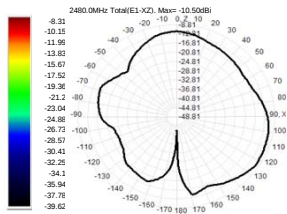
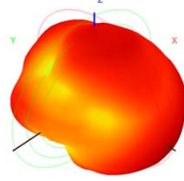
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain (dBi)	-7.09	-8.02	-7.94	-8.05	-8.17	-8.23	-7.88	-7.85	-8.31	-8.01	-8.03
Efficiency (%)	4.87	4.72	4.43	4.45	4.54	4.53	4.82	4.93	4.70	4.67	4.71



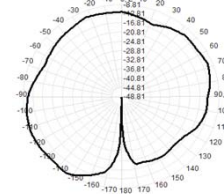
2480.0MHz Total, Eff: 4.7%



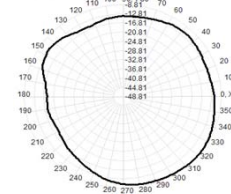
Back View



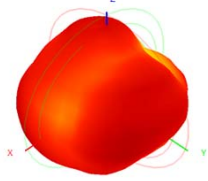
2480.0MHz Total(E2-YZ), Max:-8.81dB



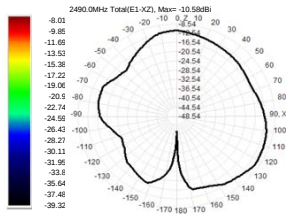
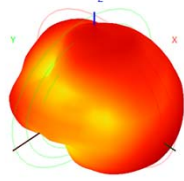
Total(H-XY), Max:-9.16dB, Crd=9.60



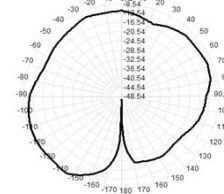
2490.0MHz Total, Eff: 4.7%



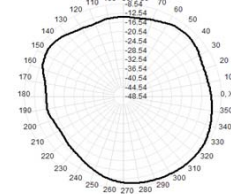
Back View



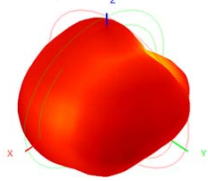
2490.0MHz Total(E2-YZ), Max:-8.54dB



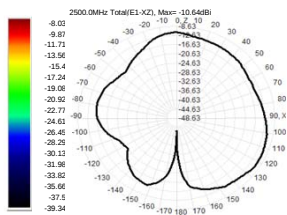
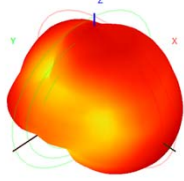
Total(H-XY), Max:-9.50dB, Crd=9.57



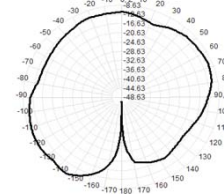
2500.0MHz Total, Eff: 4.7%



Back View



2500.0MHz Total(E2-YZ), Max:-8.63dB



Total(H-XY), Max:-9.95dB, Crd=8.90

