



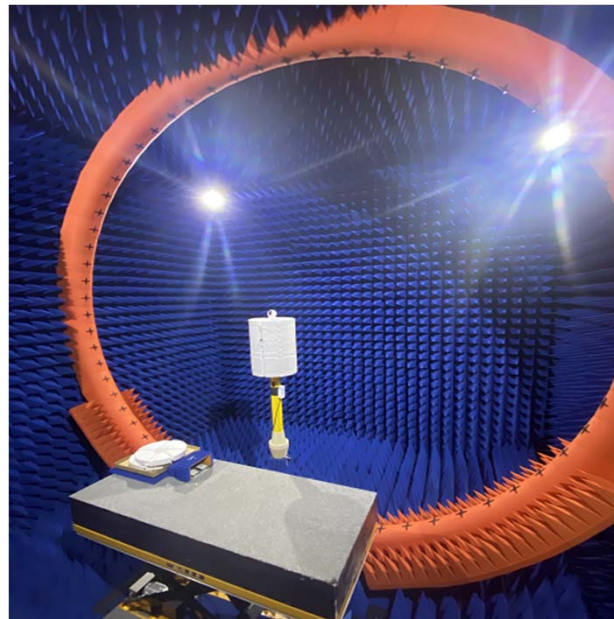
好天线 · 优比造

东莞市优比电子有限公司

Dongguan UB Electronics Co., Ltd

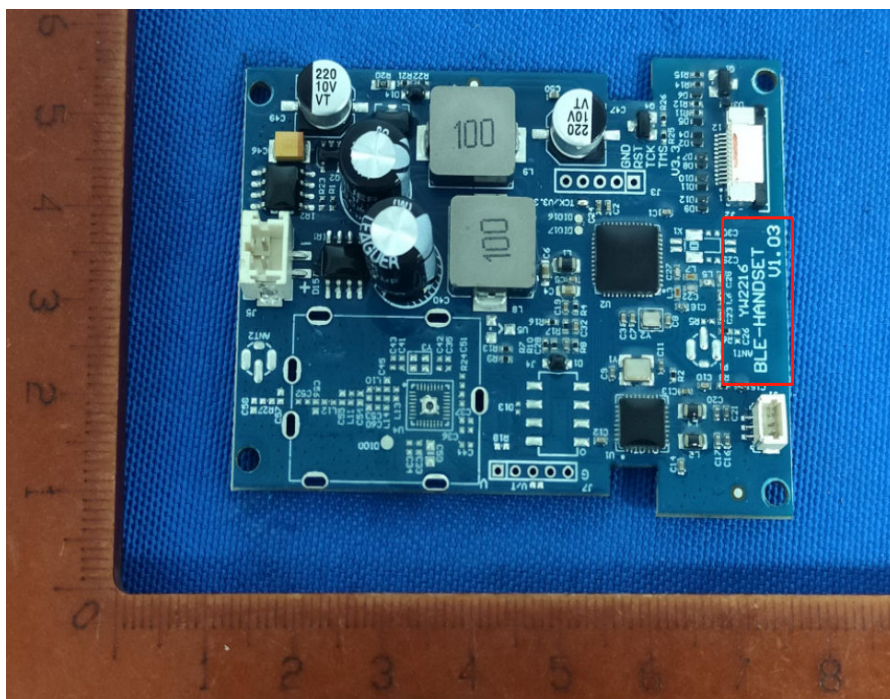
Antenna Study

- **Client Name: TOWNSTEEL INC.**
- **Manufacturer: TOWNSTEEL INC.**
Address: 17901 Railroad Street, City of Industry, California, United States
- **Project Name : Aegis Programmer**
- **Debugging frequency band: 2400-2500HMz**
- **Valuation date: 2024.05.15**
- **Linkman contacts: gao shang 18925546490**



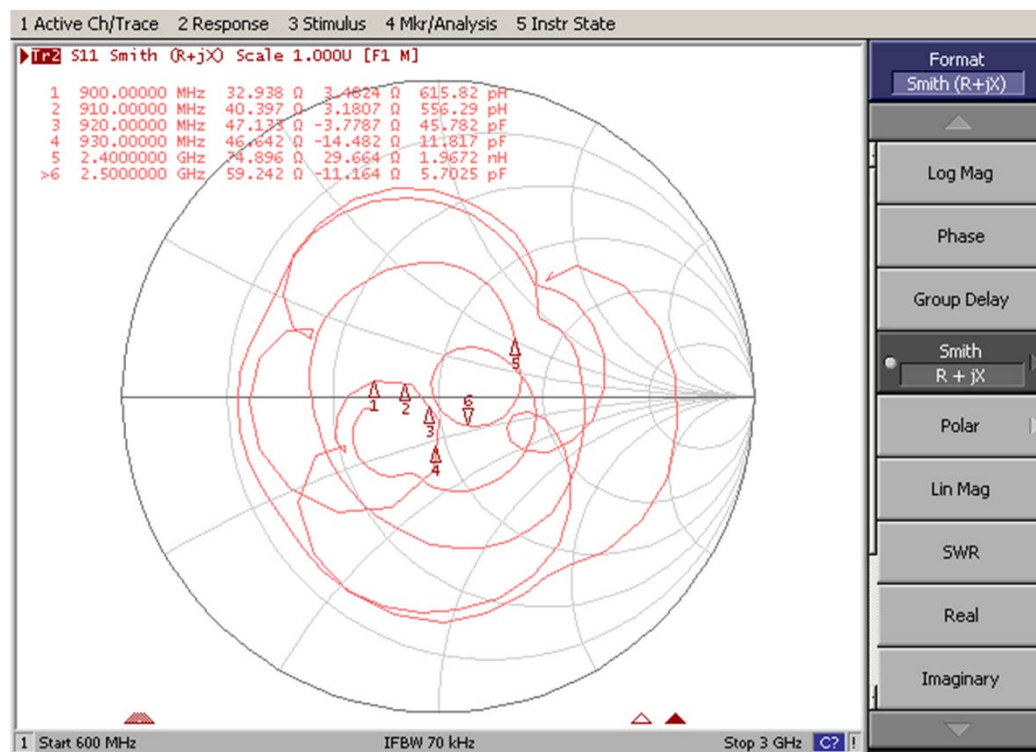
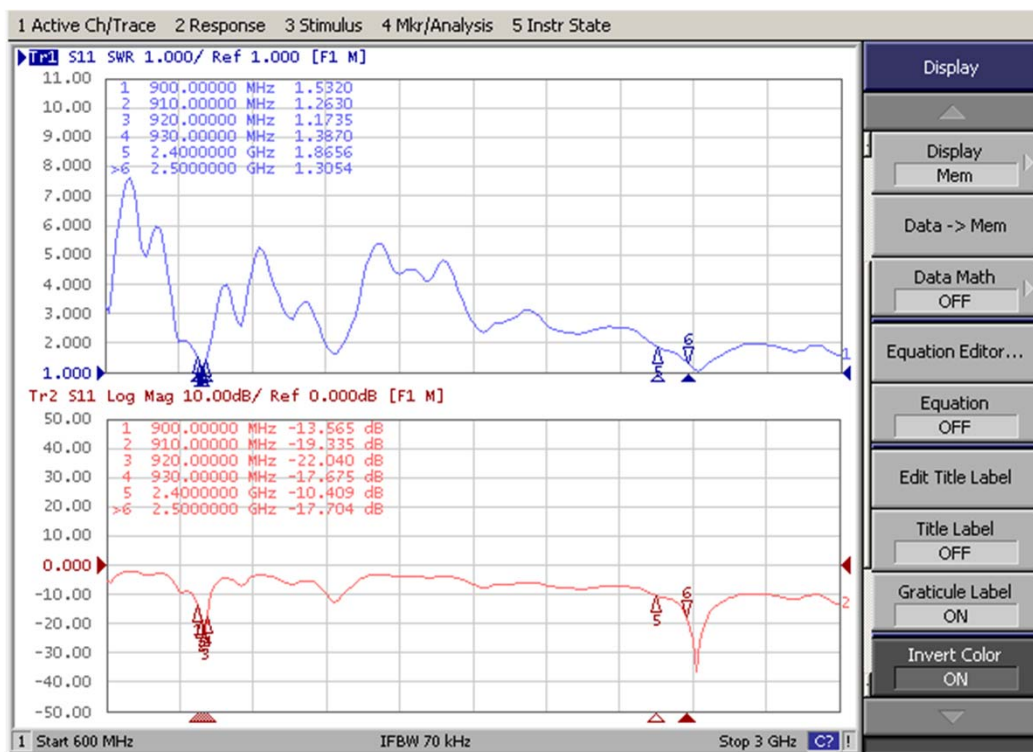
Testing 3D microwave darkroom(6m*6m*6m)

Antenna Size



S Parameter_Return Loss&VSWR-Smith

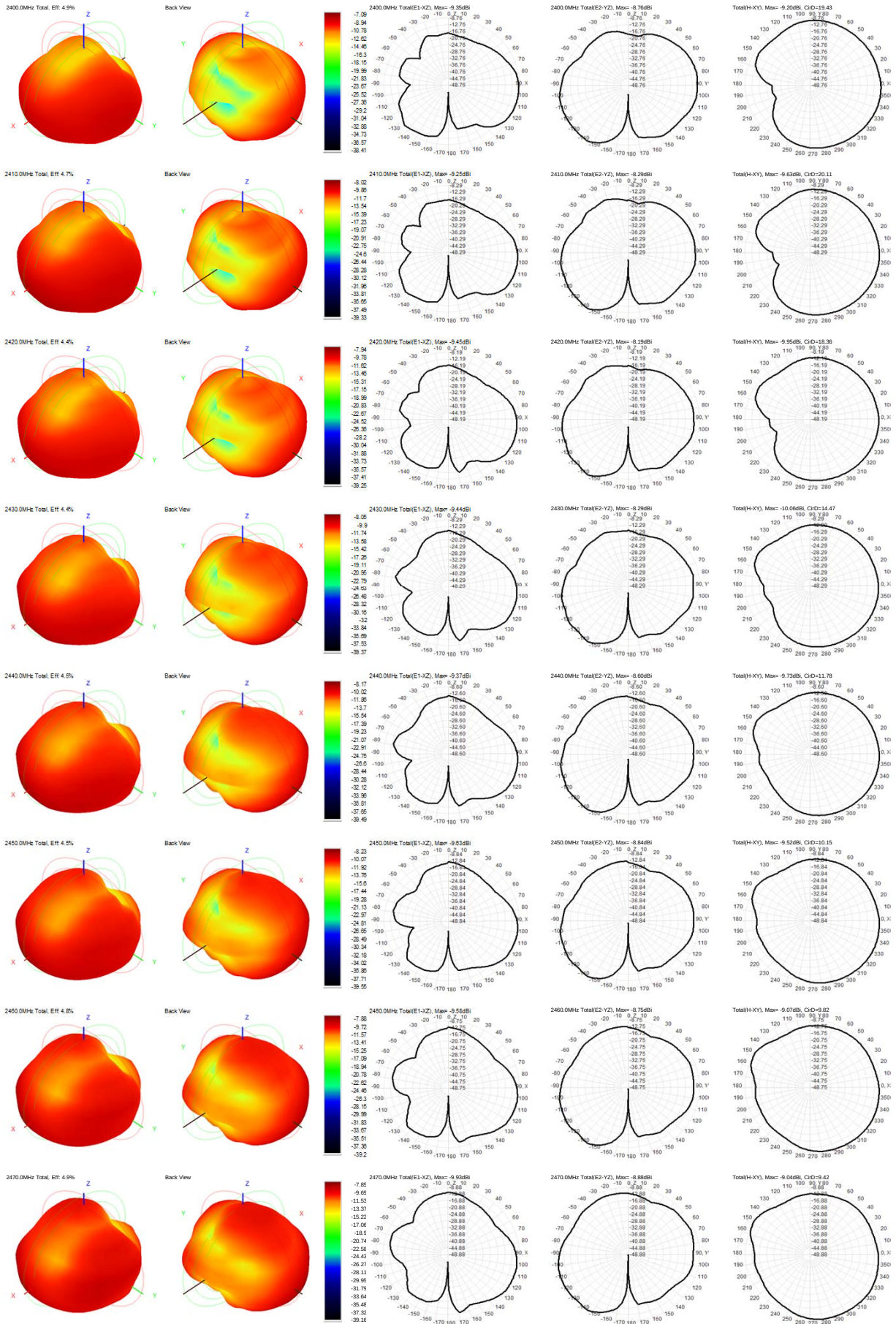
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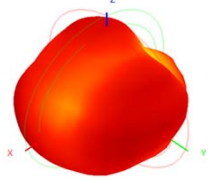
Efficiency and Gain

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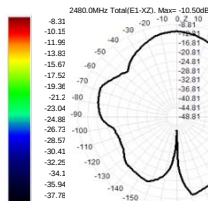
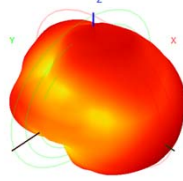
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain (dBi)	-7.09	-8.02	-7.94	-8.05	-8.17	-8.23	-7.88	-7.85	-8.31	-8.01	-8.03
Efficiency (%)	4.87	4.72	4.43	4.45	4.54	4.53	4.82	4.93	4.70	4.67	4.71



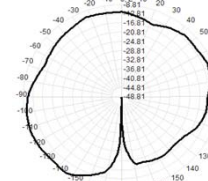
2480.0MHz Total, Eff: 4.7%



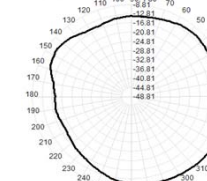
Back View



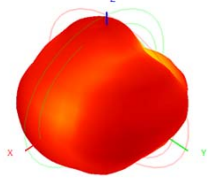
2480.0MHz Total(E2-YZ), Max: -8.81dB



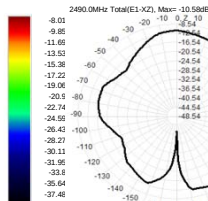
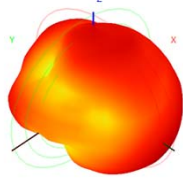
Total(H-XY), Max: -9.16dB, Crd=9.60



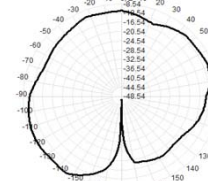
2490.0MHz Total, Eff: 4.7%



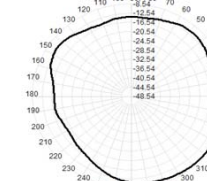
Back View



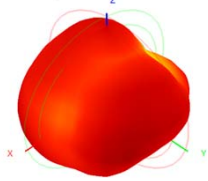
2490.0MHz Total(E2-YZ), Max: -8.54dB



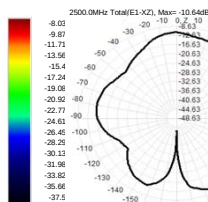
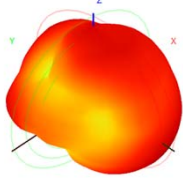
Total(H-XY), Max: -9.50dB, Crd=9.57



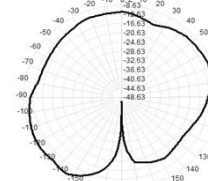
2500.0MHz Total, Eff: 4.7%



Back View



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



Total(H-XY), Max: -9.95dB, Crd=9.90

