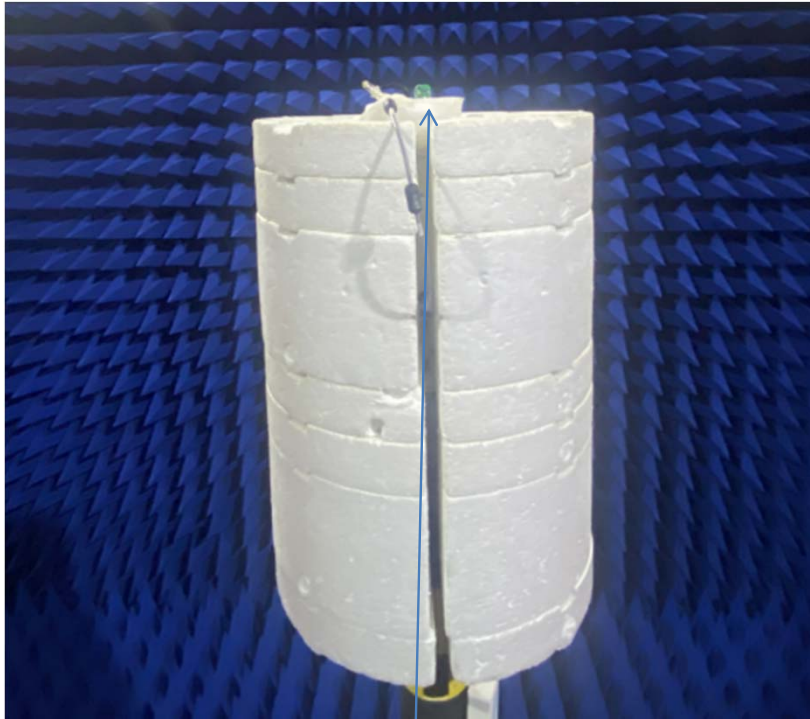


Antenna Study

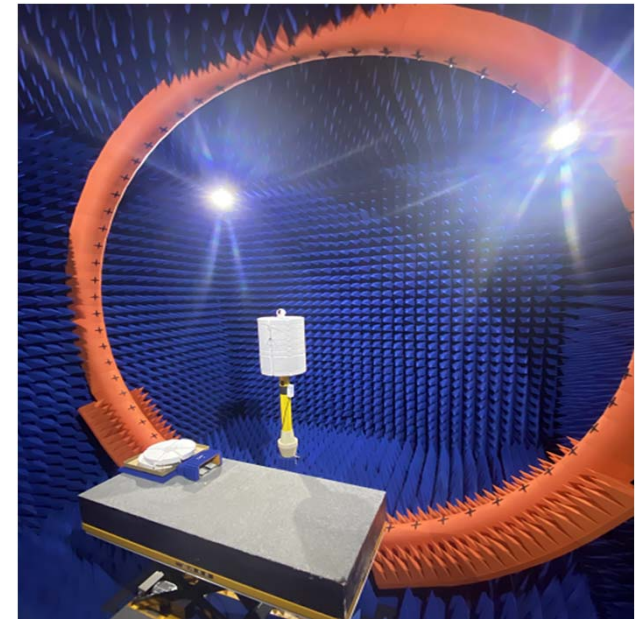
- **Client Name: Ningbo Free Trade Zone Rising Sun Electrical Co., Ltd.**
- **Project Name : RSL366T-ANT**
- **Debugging frequency band: 433MHz**
- **Valuation date: 2023.12.19**

Internal Antenna

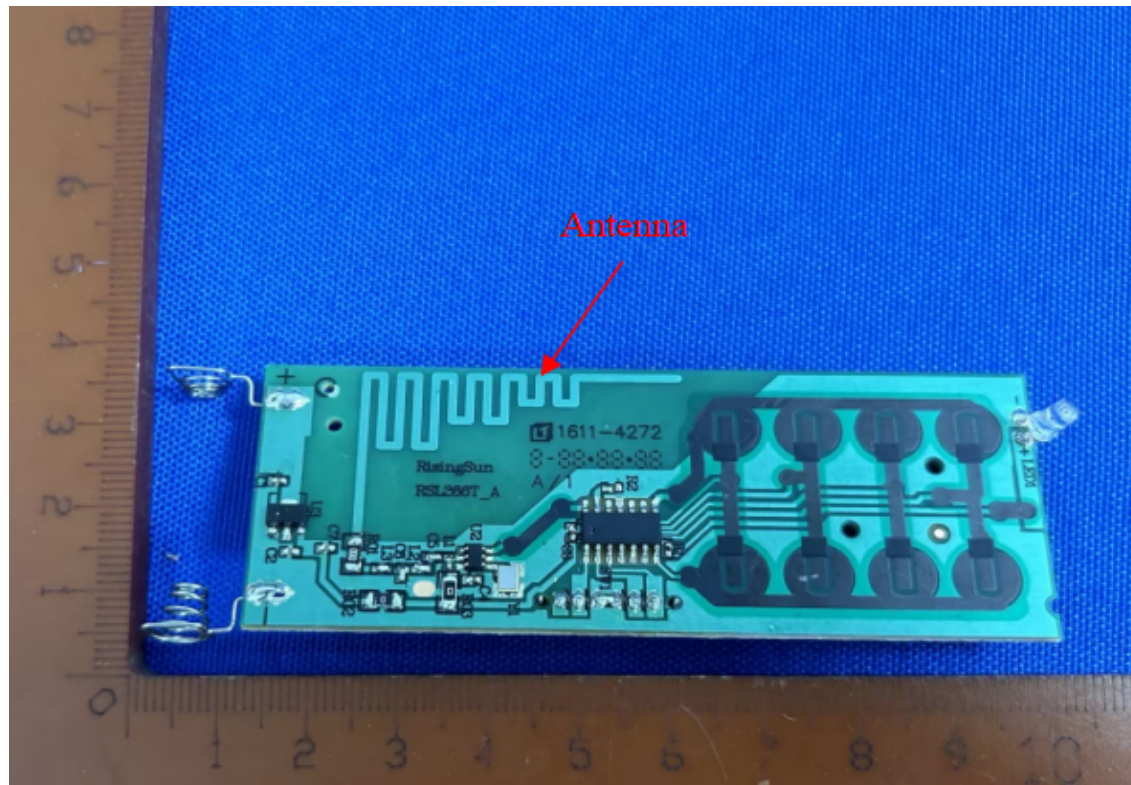
Dongguan UB Electronics Co., Ltd



Testing environment



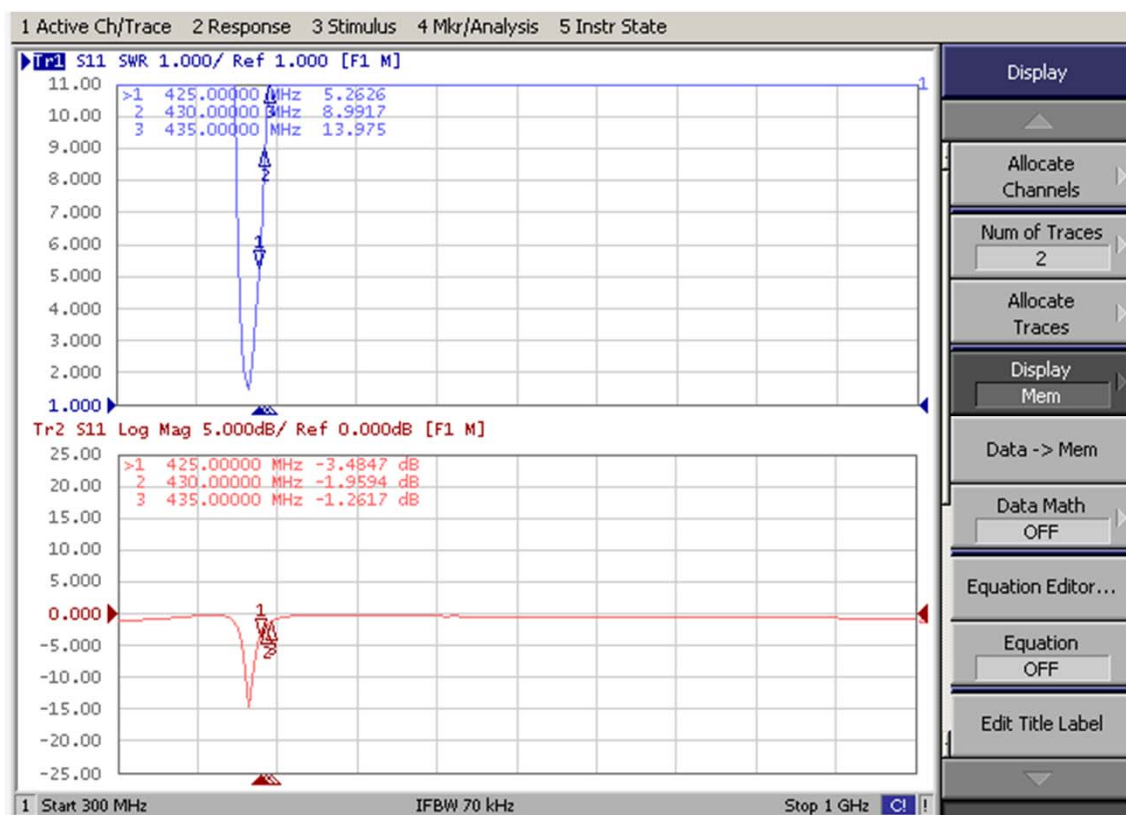
Testing 3D microwave darkroom(6m*6m*6m)



- Antenna name: RSL366T-ANT
- Antenna Type: PCB

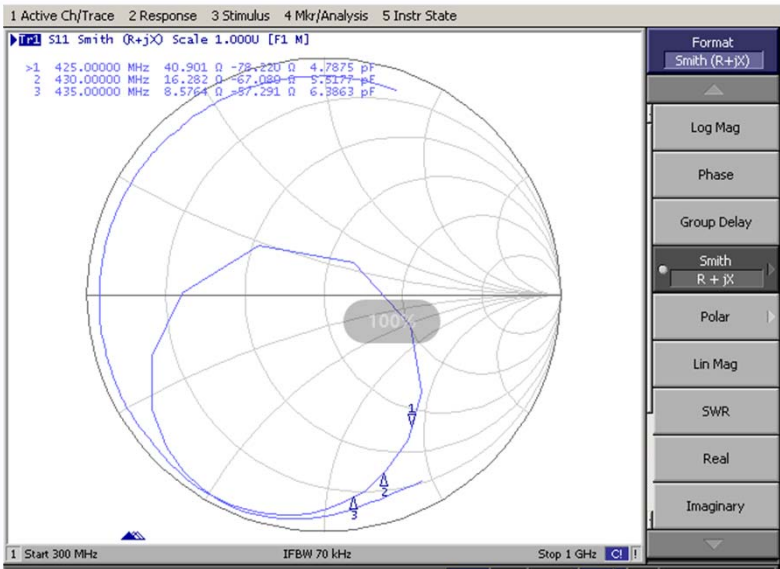
S Parameter_Return Loss&VSWR

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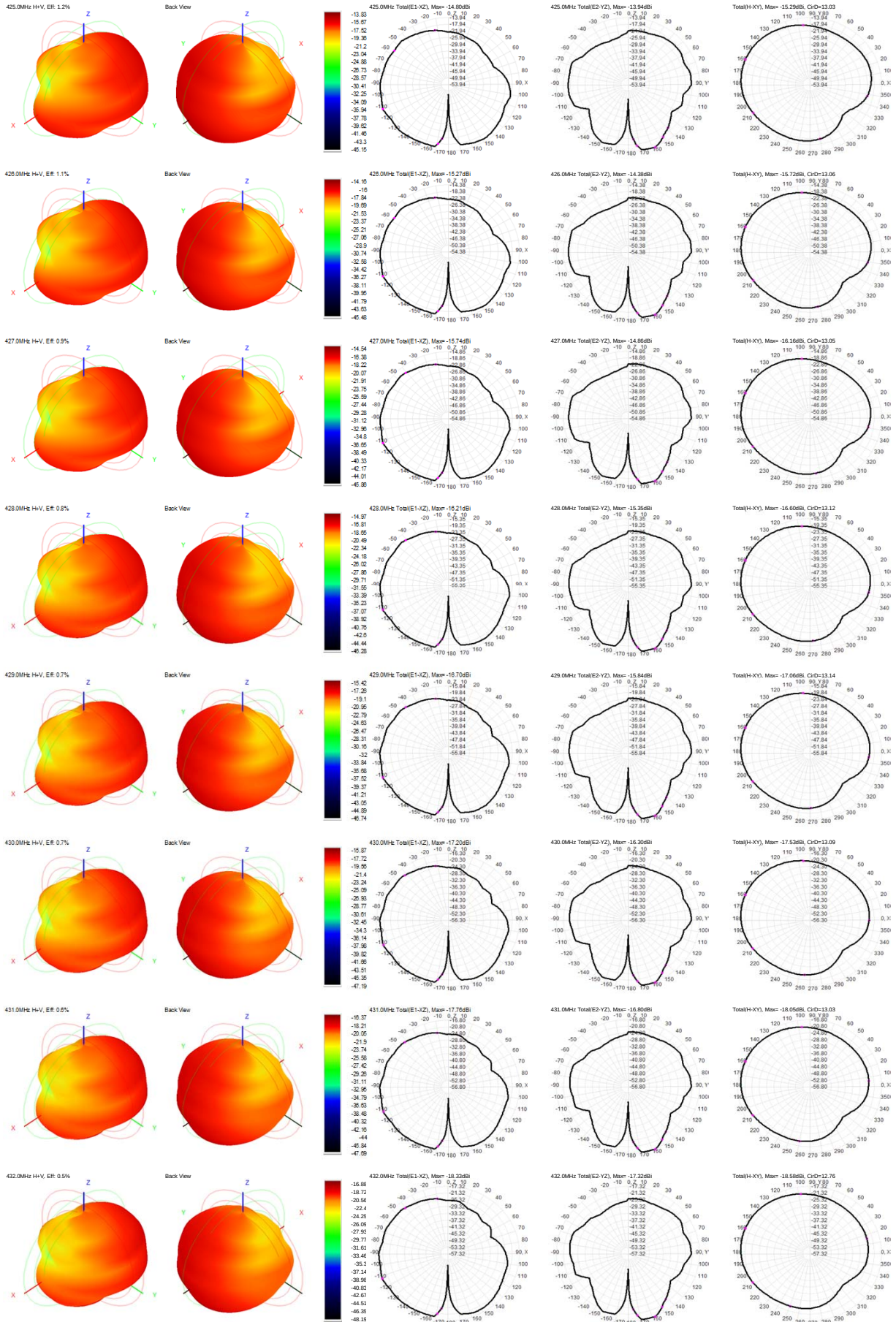


Efficiency and Gain-Smith

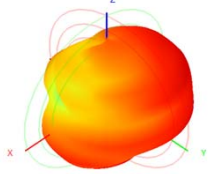
Dongguan UB Electronics Co., Ltd



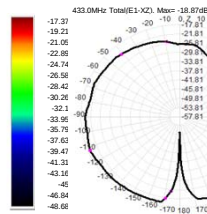
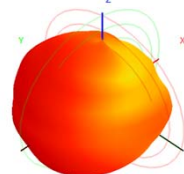
Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	425	426	427	428	429	430	431	432	433	434	435
Gain (dBi)	-0.05	-0.83	-0.92	-1.03	-1.22	-1.35	-1.37	-1.39	0	0	-1.54



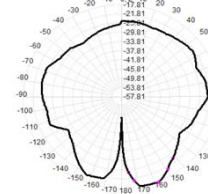
433.0MHz H+V, Eff: 0.5%



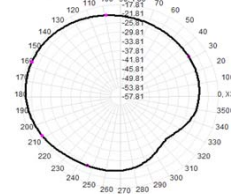
Back View



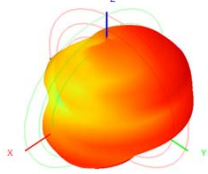
433.0MHz Total(E2-YZ), Max=-17.81dB



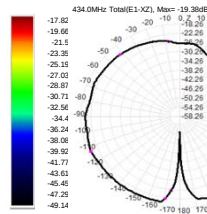
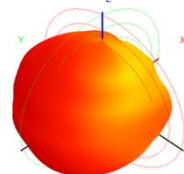
Total(H+V), Max=-19.07dB, CrD=12.56



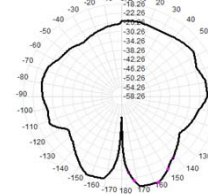
434.0MHz H+V, Eff: 0.4%



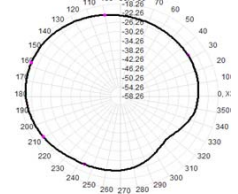
Back View



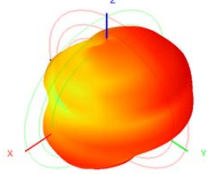
434.0MHz Total(E2-YZ), Max=-18.26dB



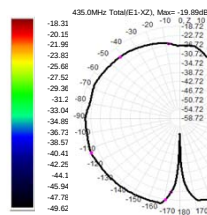
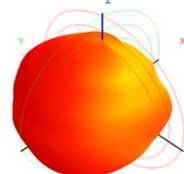
Total(H+V), Max=-19.56dB, CrD=12.46



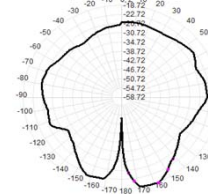
435.0MHz H+V, Eff: 0.4%



Back View



435.0MHz Total(E2-YZ), Max=-18.72dB



Total(H+V), Max=-20.06dB, CrD=12.26

