



好天线 · 优比造

东莞市优比电子有限公司

Dongguan UB Electronics Co., Ltd

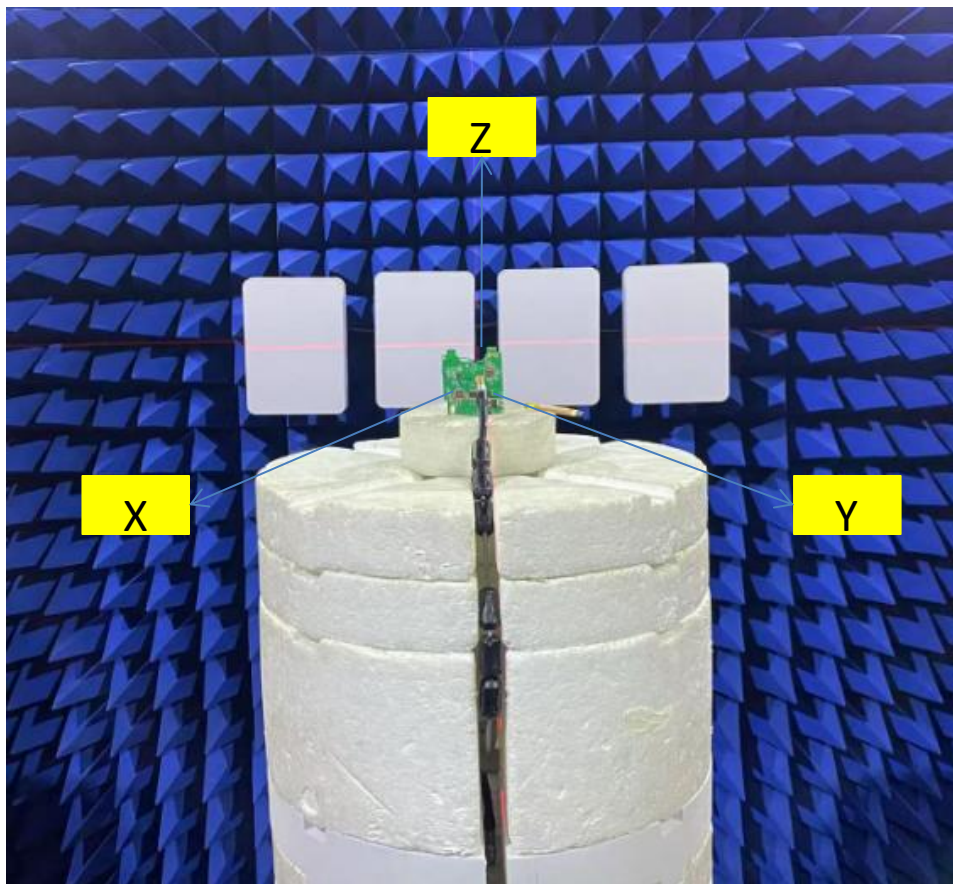
Antenna Study

- **Client Name: The Wheel Group**
- **Project Name: sensor**
- **Model: CPONE08-1**
- **Debugging frequency band: 2400-2500HMz**
- **Valuation date: 2025.07.02**

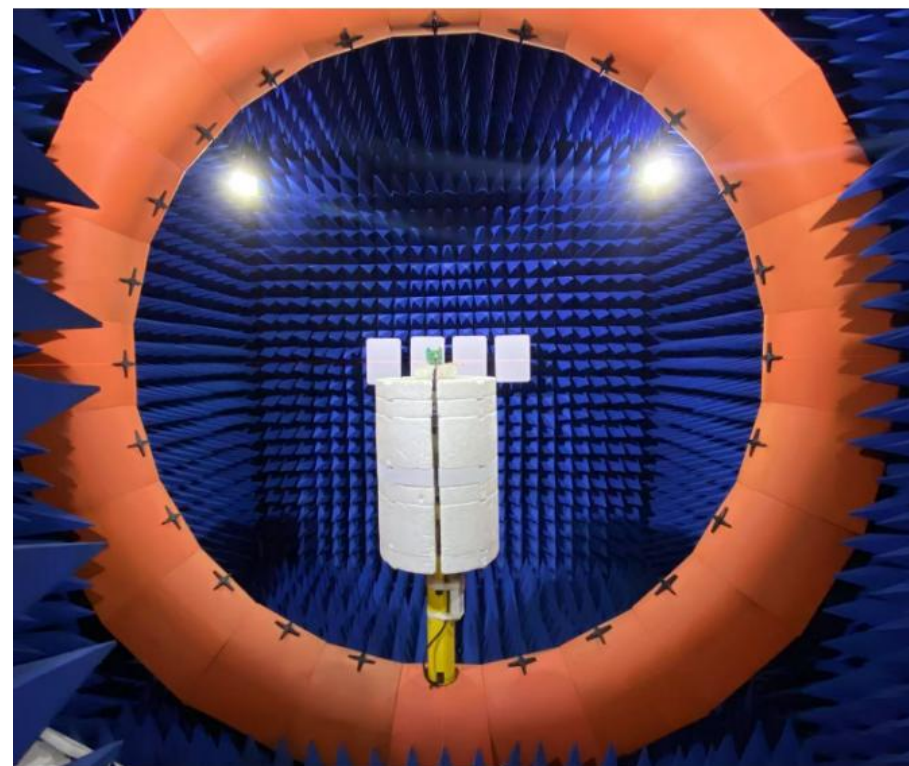
Address: Building 79, New Sun Industrial City, Lin Village Community, Tangxia Town, Dongguan (Dongguan Company) Phone: 0769-81777126

Room 106, Building 3, Lenton Technology Park, No. 500 Qiuyi Road, Binjiang District, Hangzhou (Hangzhou Branch) Fax: 0769-81777125

Room 106, Liuxian Second Road No. 47, LiuXian New Industrial Park, Bao'an District, Shenzhen (Shenzhen Company) Website: www.ubuant.com

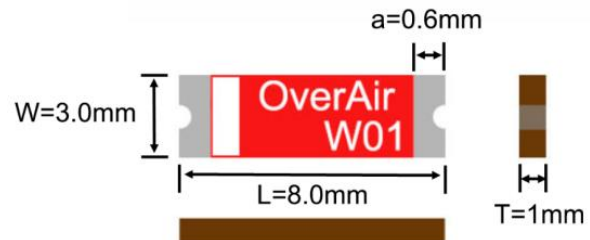


Testing environment



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

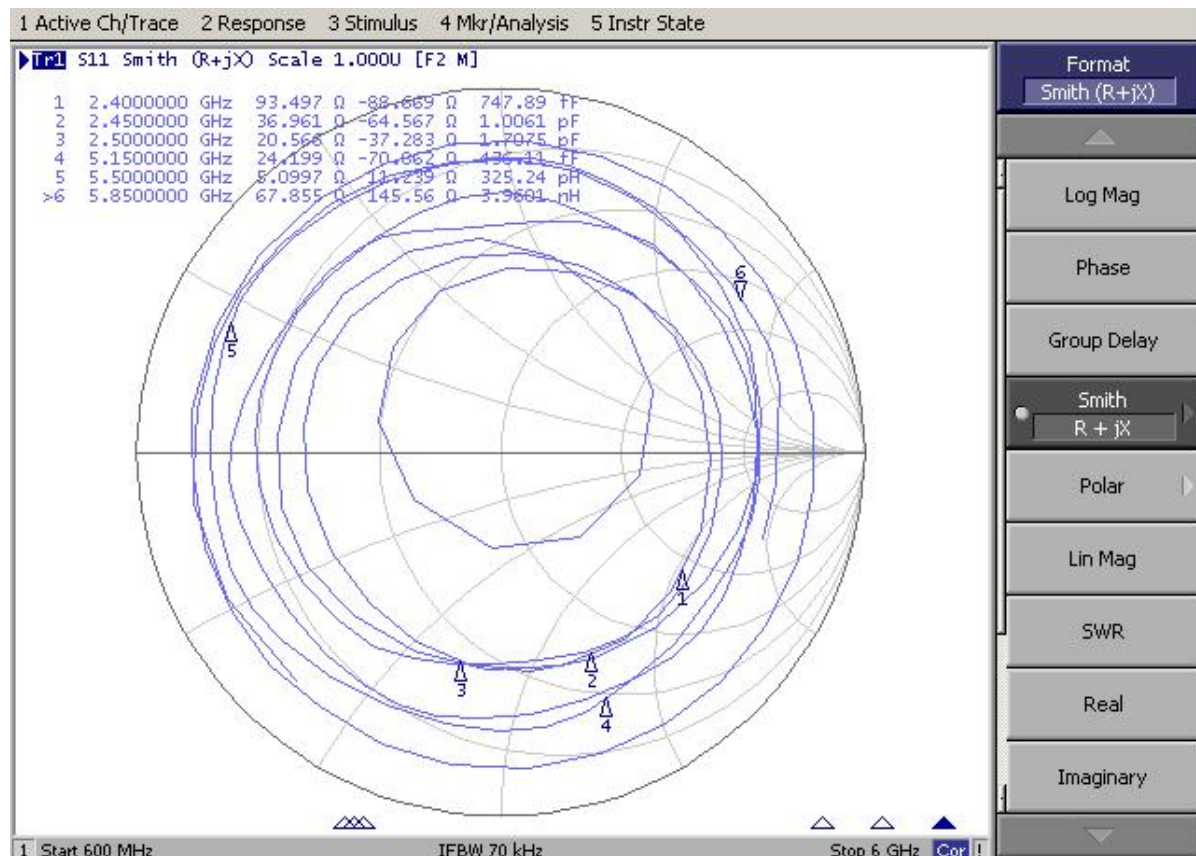
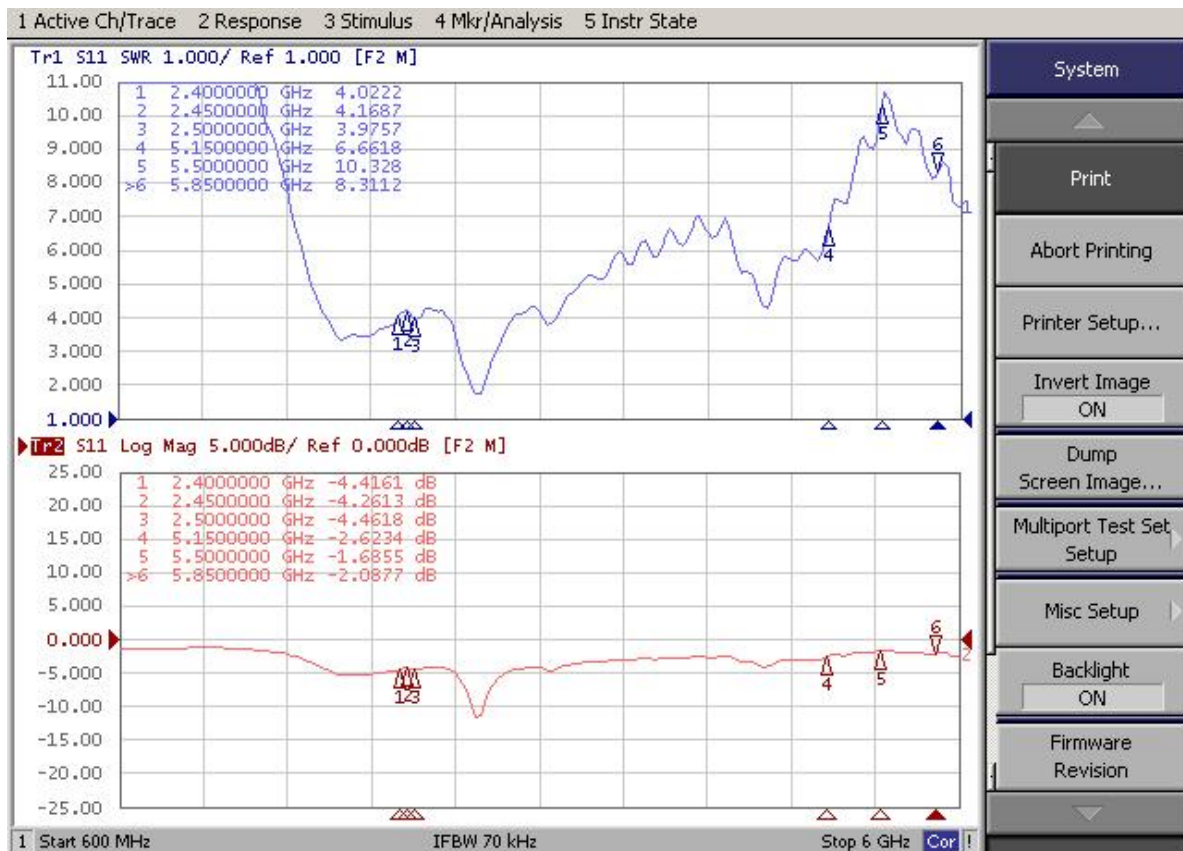
- Antenna name: 2.4G
- Covers : 2400/2500MHz



Antenna

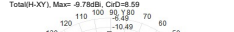
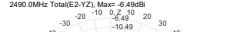
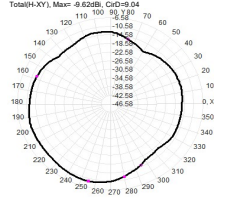
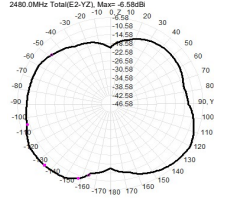
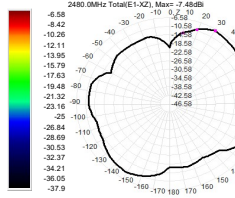
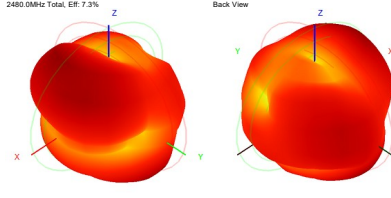
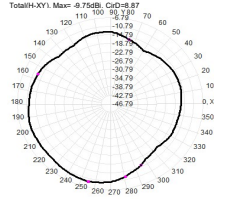
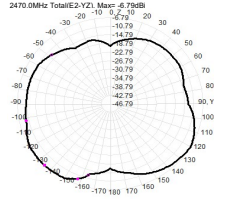
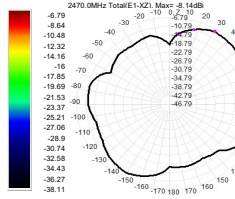
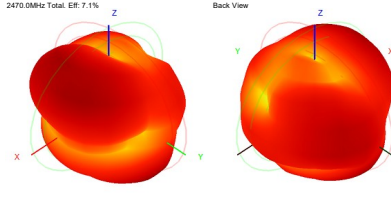
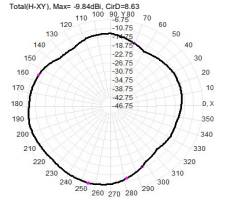
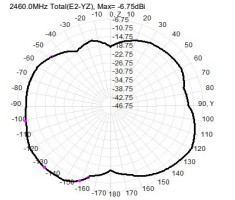
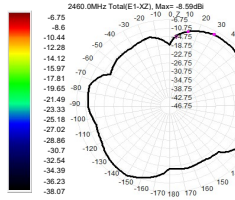
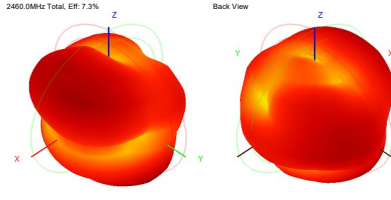
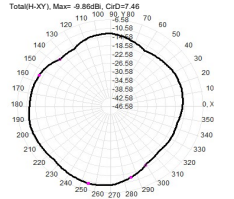
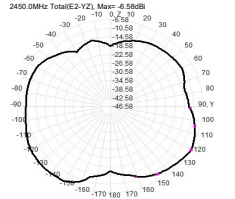
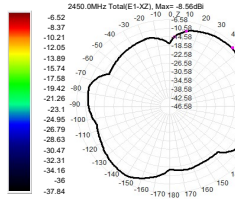
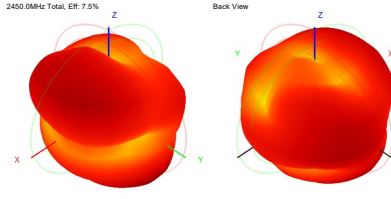
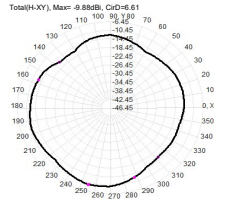
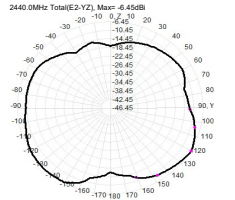
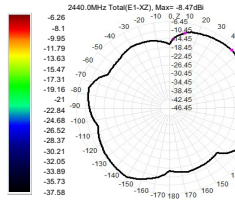
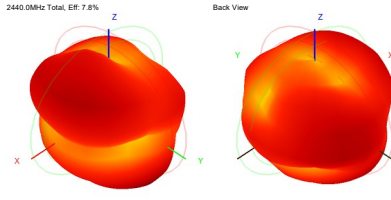
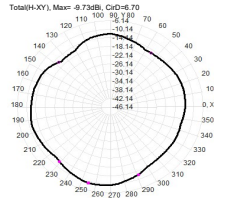
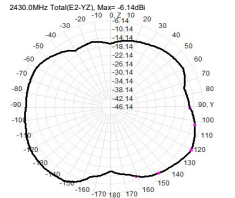
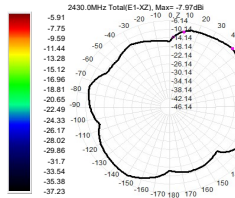
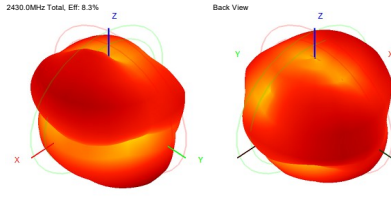
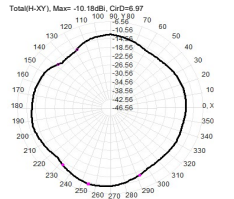
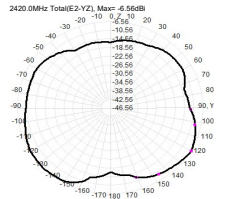
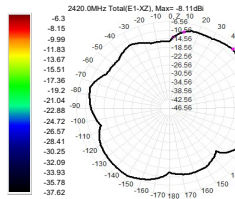
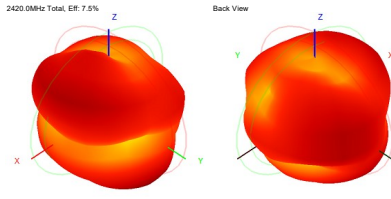
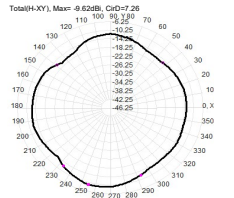
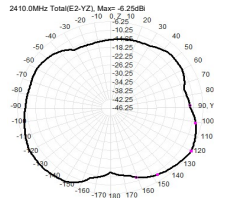
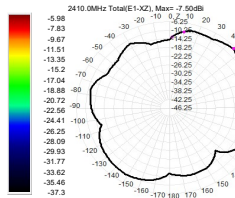
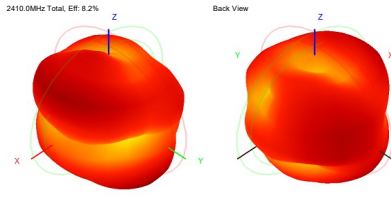
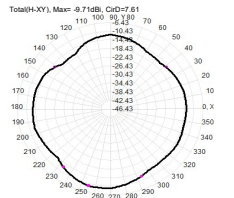
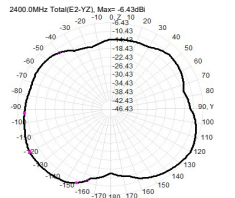
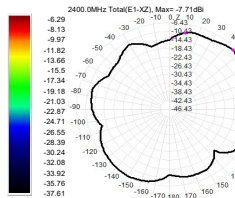
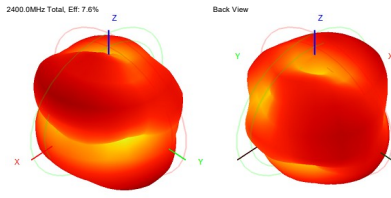
S Parameter_Return Loss&VSWR-Smith

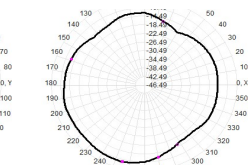
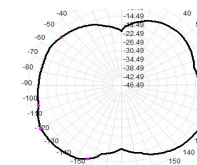
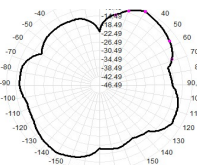
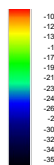
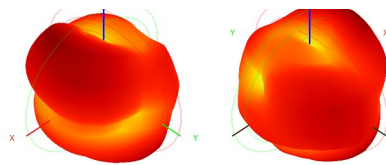
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Efficiency and Gain

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)	-6.29	-5.98	-6.30	-5.91	-6.26	-6.52	-6.75	-6.79	-6.58	-6.49	-5.77
Efficiency (%)	7.55	8.18	7.54	8.29	7.75	7.54	7.26	7.12	7.29	7.17	8.28





2500.0MHz Total, Eff: 9.3%

Back View

