



好天线 · 优比造

东莞市优比电子有限公司

Dongguan UB Electronics Co., Ltd

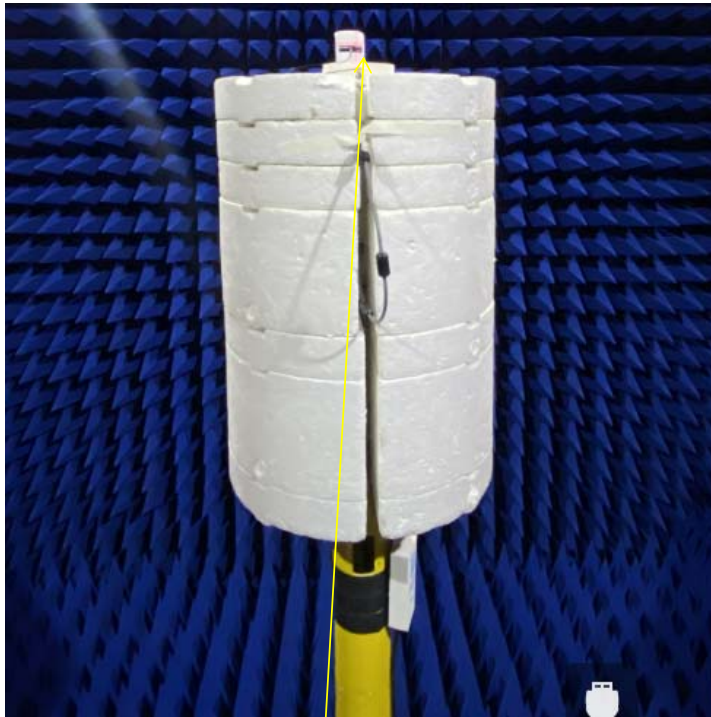
Room 101, 2nd Building, No. 9, Xinfalun Road, Lincun, Tangxia Town, Dongguan,
Guangdong, China

Antenna Study

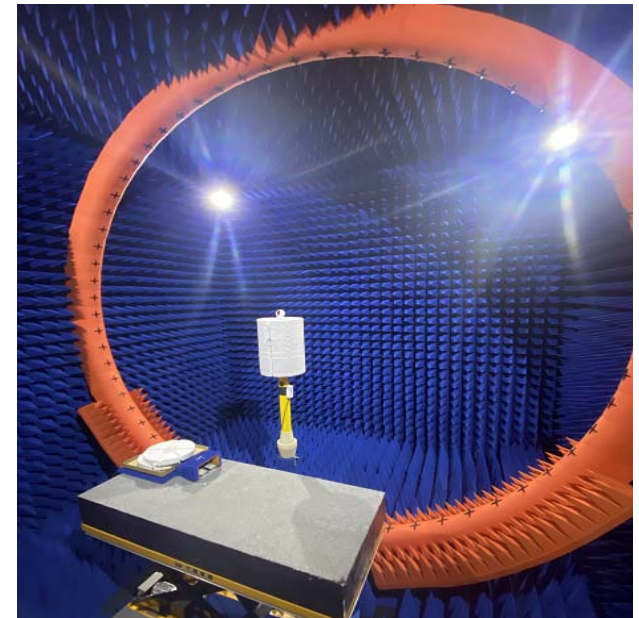
- **Client Name:**Guangzhou Maiguang Electronic Science Technology Co., Ltd
- **Project Name:**2.4G FPC antenna
- **Debugging frequency band:** 2.4G
- **Valuation date:** 2025.01.04

2.4G FPC antenna

Dongguan UB Electronics Co., Ltd



Testing environment

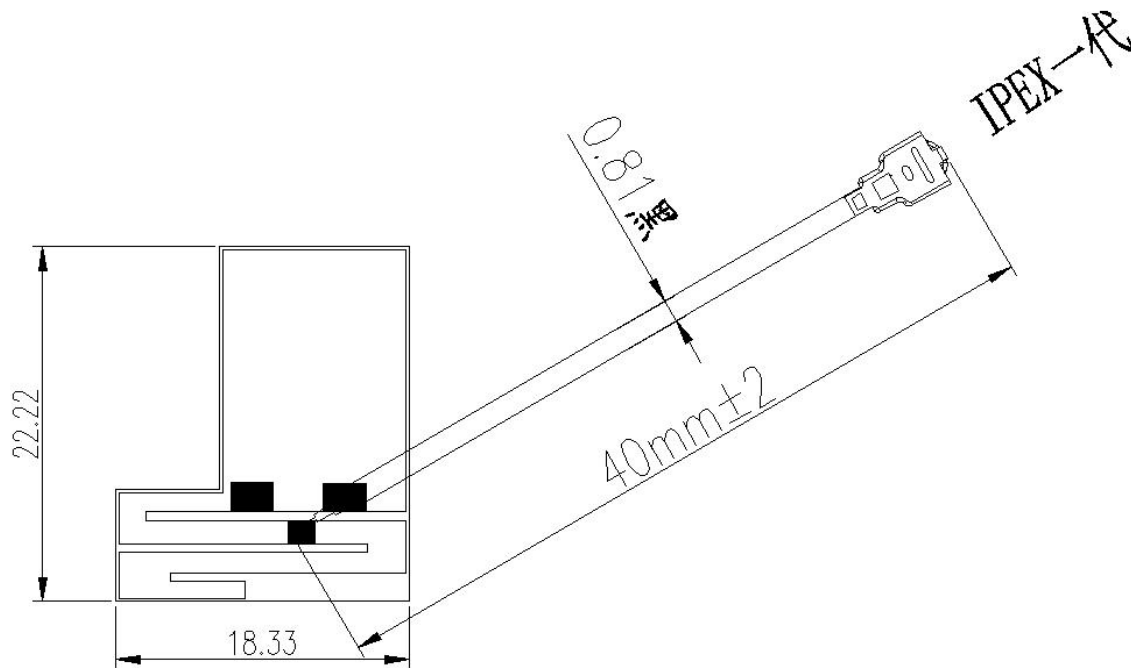


Testing 3D microwave darkroom(6m*6m*6m)

2.4G FPC antenna

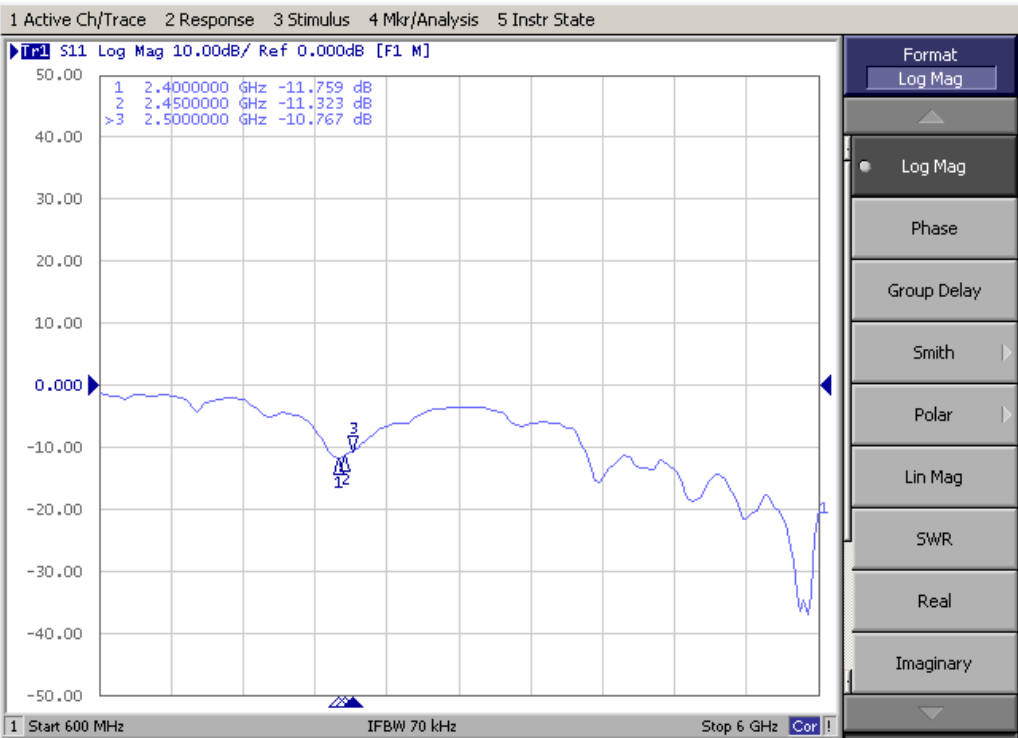
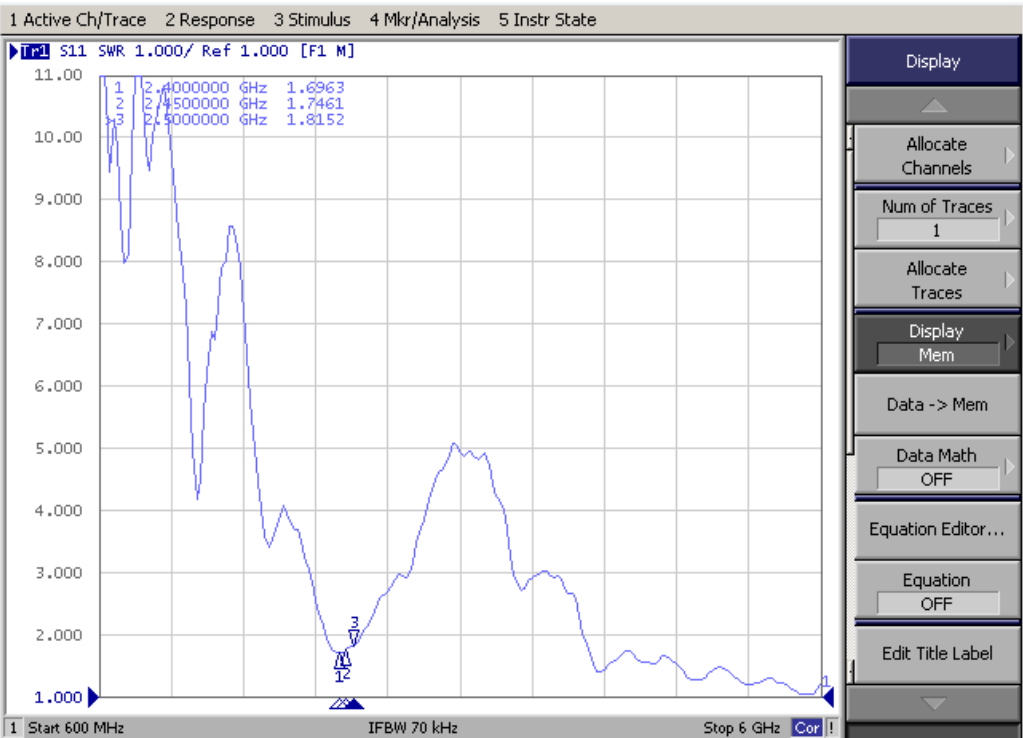
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- Antenna name: 2.4G
- Antenna Type: FPC
- Covers : 2.4G



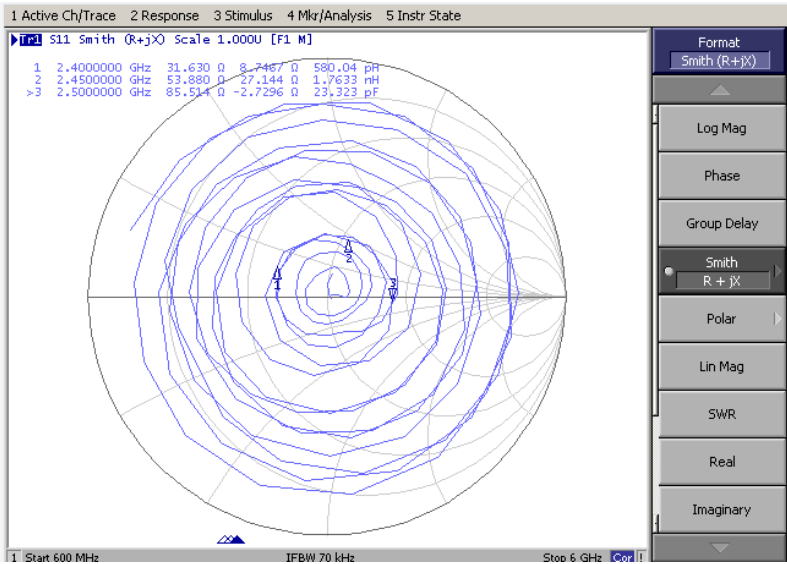
S Parameter_Return Loss&VSWR

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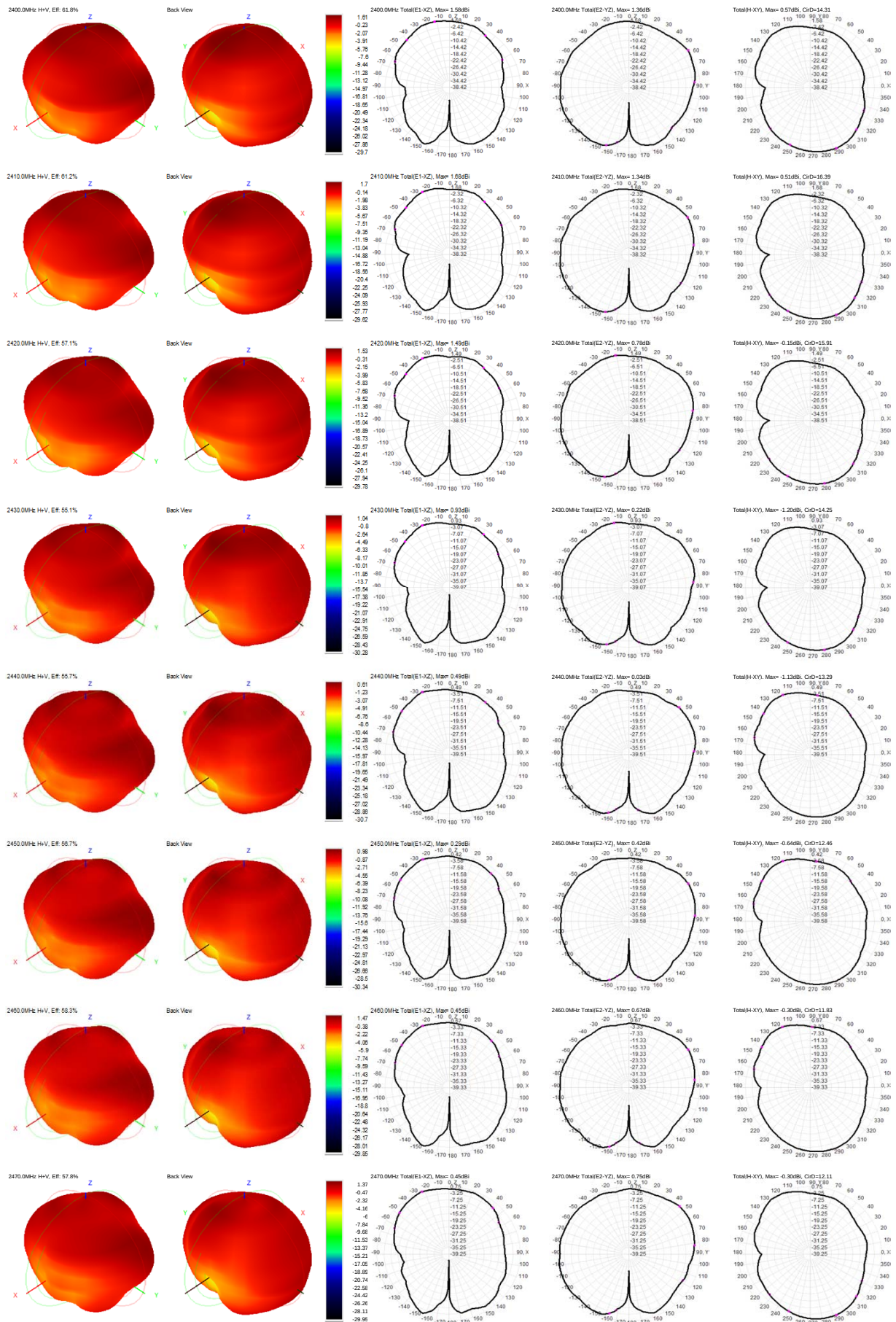


Efficiency and Gain-Smith

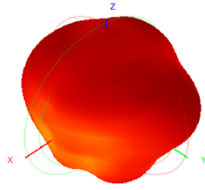
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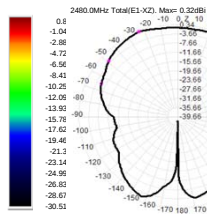
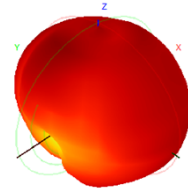
Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain (dBi)	1.61	1.70	1.53	1.04	0.61	0.98	1.47	1.37	0.80	0.55	0.78
Efficiency (%)	61.80	61.18	57.07	55.09	55.70	56.65	58.26	57.79	54.45	53.58	52.65



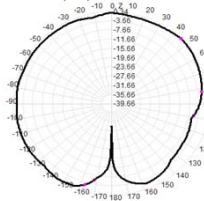
2480.0MHz H+V, Eff: 54.5%



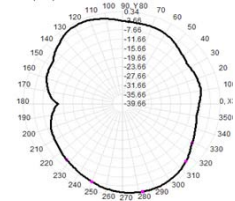
Back View



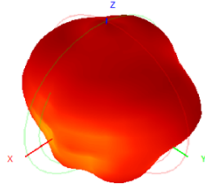
2480.0MHz Total(E2-YZ), Max=0.34dBi



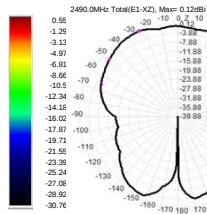
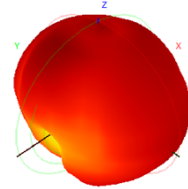
Total(H+V), Max=-0.59dBi, Crd=13.23



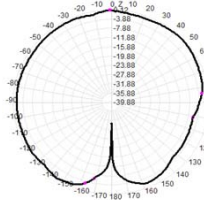
2490.0MHz H+V, Eff: 53.6%



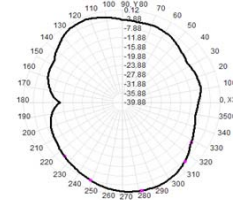
Back View



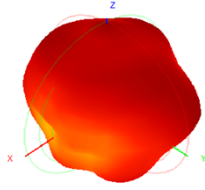
2490.0MHz Total(E2-YZ), Max=0.04dBi



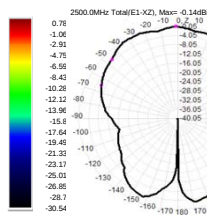
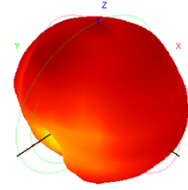
Total(H+V), Max=-0.87dBi, Crd=13.95



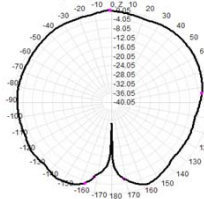
2500.0MHz H+V, Eff: 52.7%



Back View



2500.0MHz Total(E2-YZ), Max=-0.05dBi



Total(H+V), Max=-1.27dBi, Crd=12.21

