

2.4G PIFA板载天线 for PCB

Rev: 01
2024-9-11

编制	审核	批准
Manda Yang 2024. 09. 11	钱维波 2024. 09. 11	Mac Zhang 2024. 09. 11

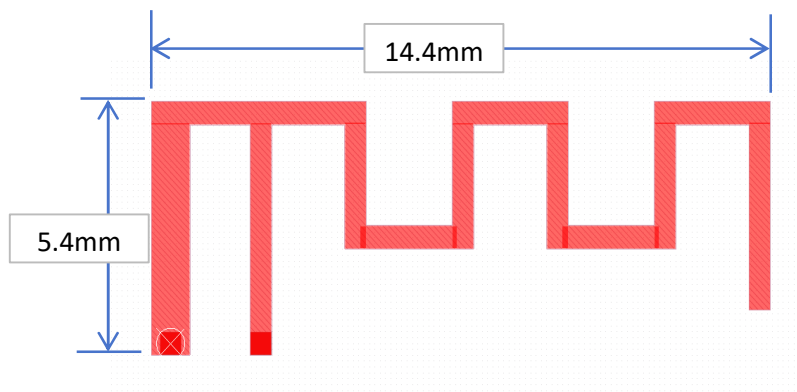
网站: www.bweetech.com

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天线尺寸



增益测试报告

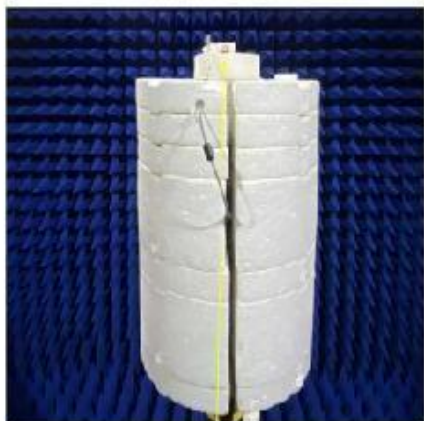
UANT[®] 东莞市优比电子有限公司
好天线 · 优比造 Dongguan UB Electronics Co., Ltd

Antenna Study

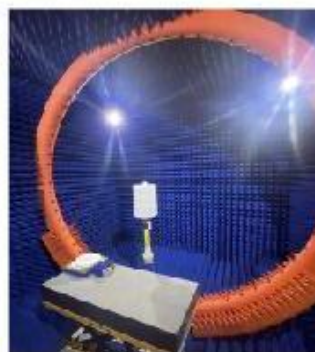
- Client Name: Beyond Lighting Technology (Shanghai) Co., Ltd.
- Project Name : BWMZB06 Module
- Debugging frequency band: 2400-2500MHz
- Valuation date: 2023.09.08

PCBAntenna

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Testing environment



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

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PCB Antenna

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Antenna

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

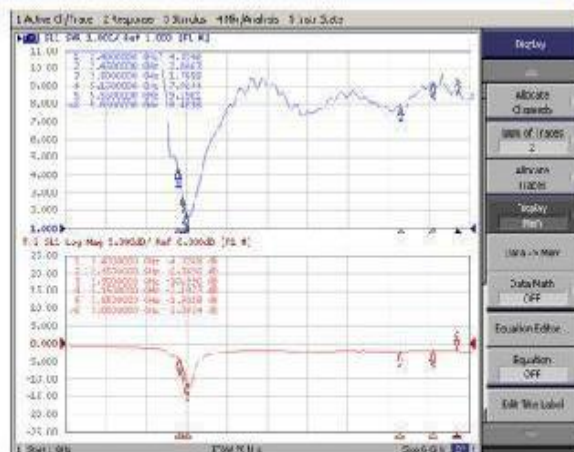
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S Parameter_Return Loss&VSWR

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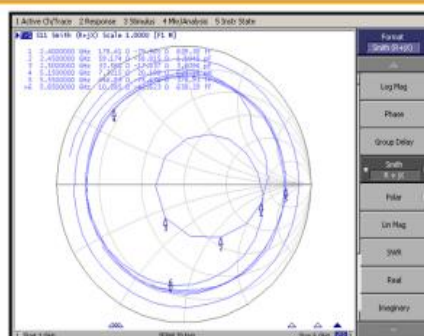
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Efficiency and Gain-Smith

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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)	1.15	1.15	0.64	0.38	0.27	0.18	0.18	0.14	-0.49	-0.61	-0.93
Efficiency (%)	32.24	30.95	29.16	28.48	27.35	25.87	26.24	25.44	23.47	23.26	21.89

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