



Shenzhen Yunding Communication Electronics Co.,Ltd.

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PCB Printed Antenna-2.4GHz report

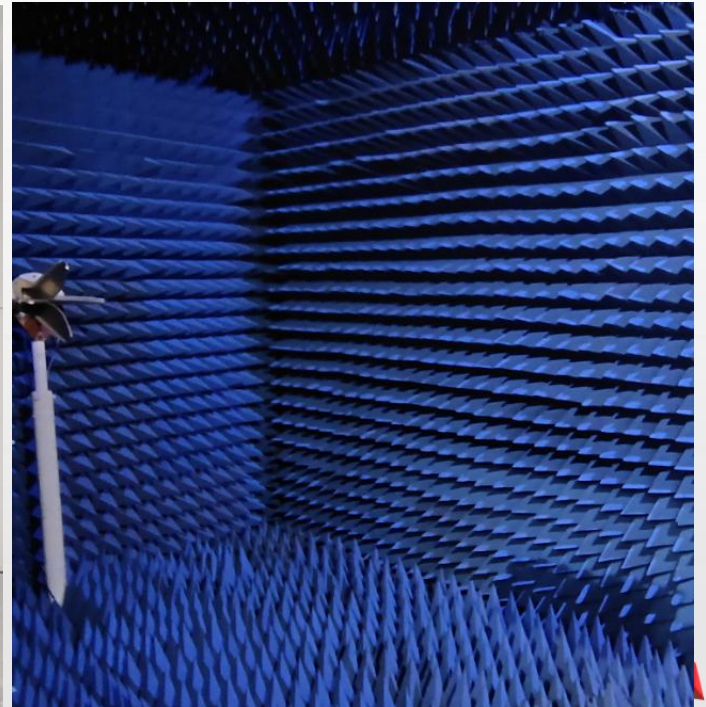
WUSHUYI
2023-08-07





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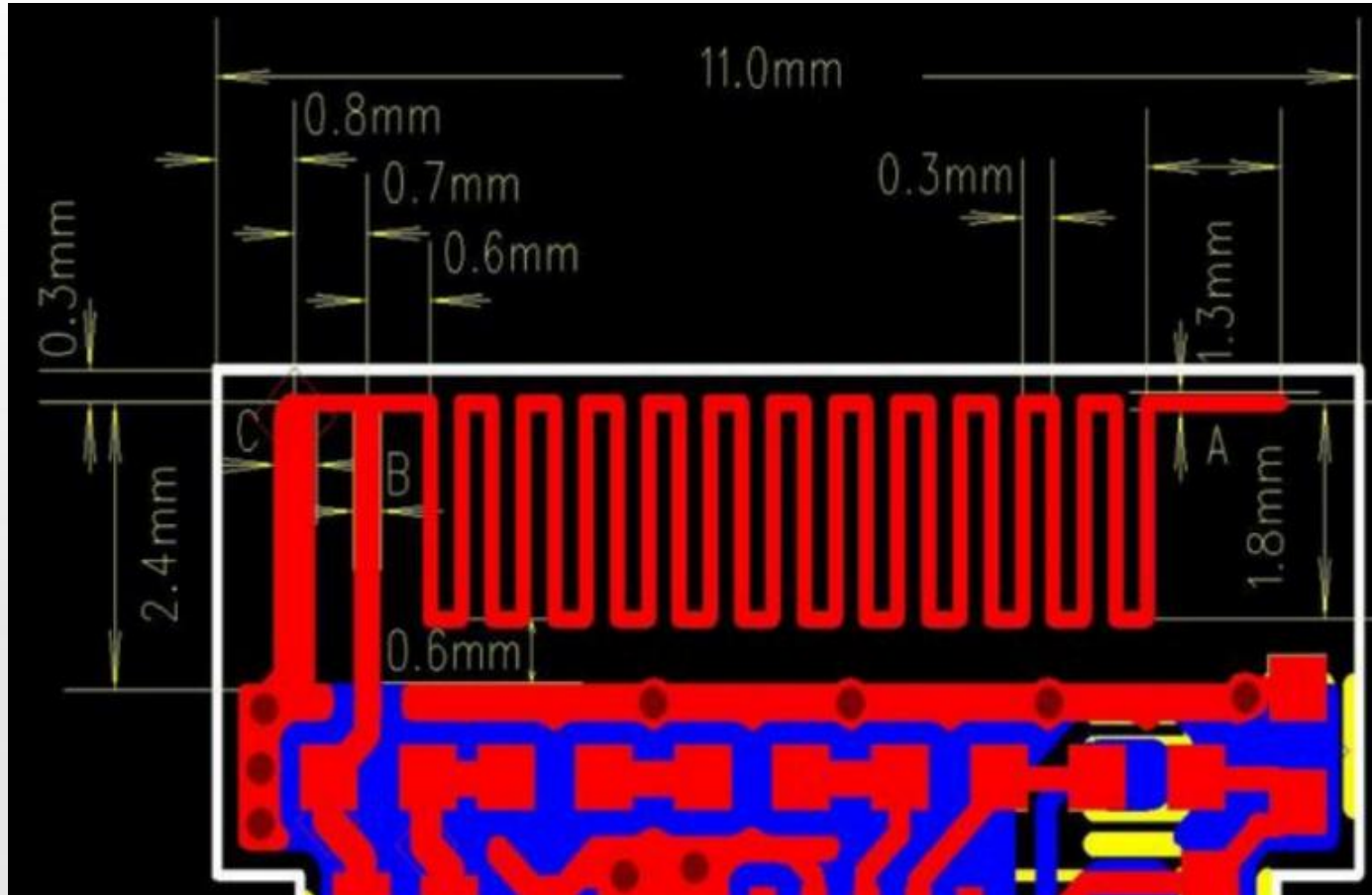
—、Test Setup





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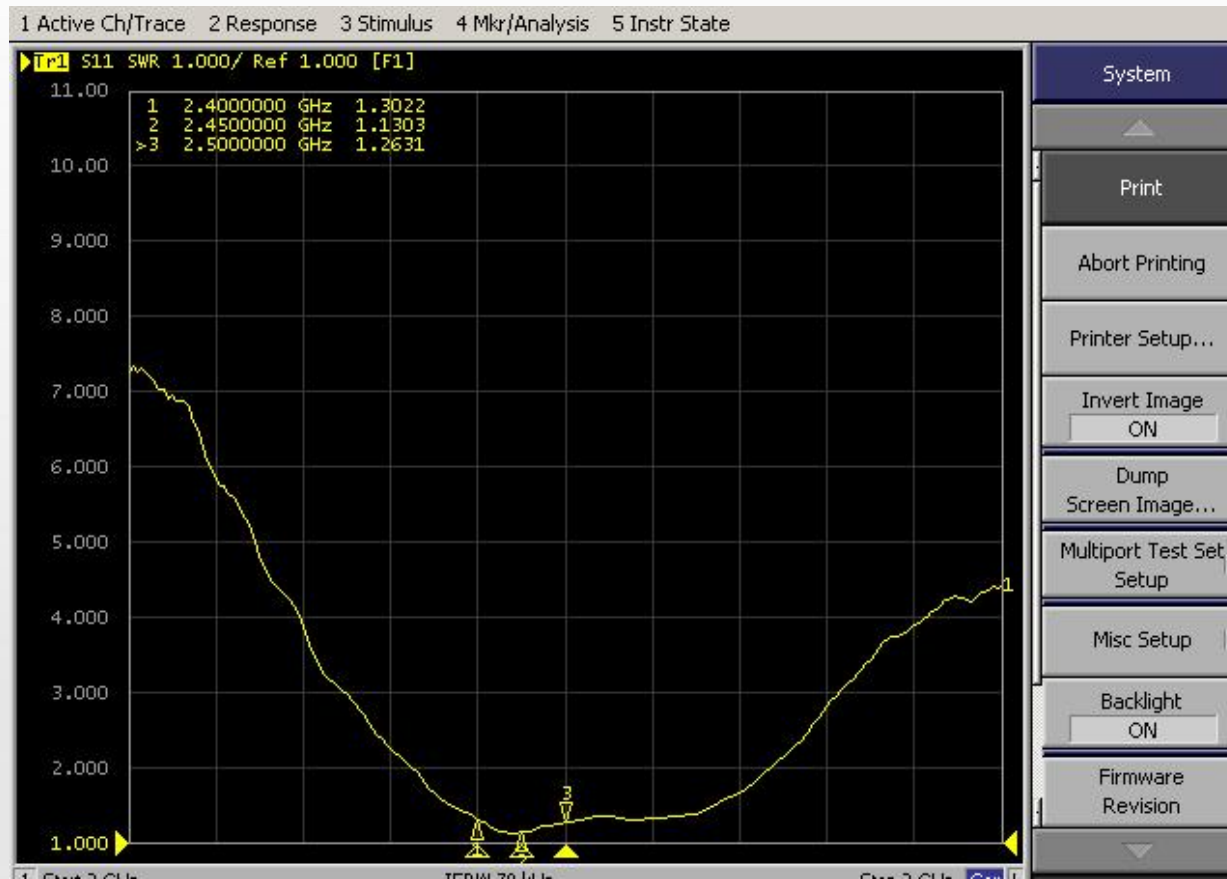
二、 Antenna structure





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三、Test data-S11-SWR

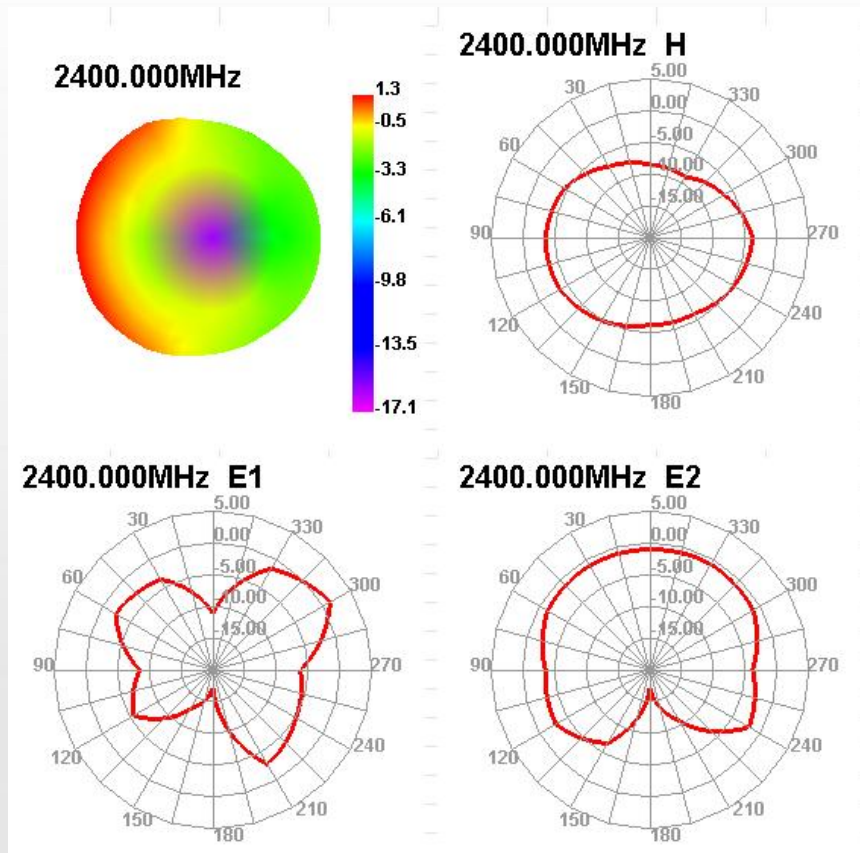




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四、OTA Test data efficiency-gains

Passive Test For WIFI			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	49.22	-3.08	1.3
2410	49.19	-3.08	1.23
2420	48.97	-3.1	1.12
2430	48	-3.19	1
2440	49.81	-3.03	1.21
2450	51.97	-2.84	1.44
2460	51.39	-2.89	1.4
2470	51.84	-2.85	1.43
2480	52.99	-2.76	1.48
2490	53.53	-2.71	1.45
2500	50.61	-2.96	1.1





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五、 Test equipment

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
SG24 Multi-probe Antenna Measurement System	SATIMO	SG24-L	1101855-0001	2021.11.12	2024.11.11
Vector Network Analyzer	Agilent	E5071B	MY42404001	2023.03.26	2024.03.25
Description	Manufacturer	Name		Version	
Test Software	MVG	SPM		V 1.8	

