

深圳云之上电子有限公司 Shenzhen Yunzhi Electronic Co. , Ltd

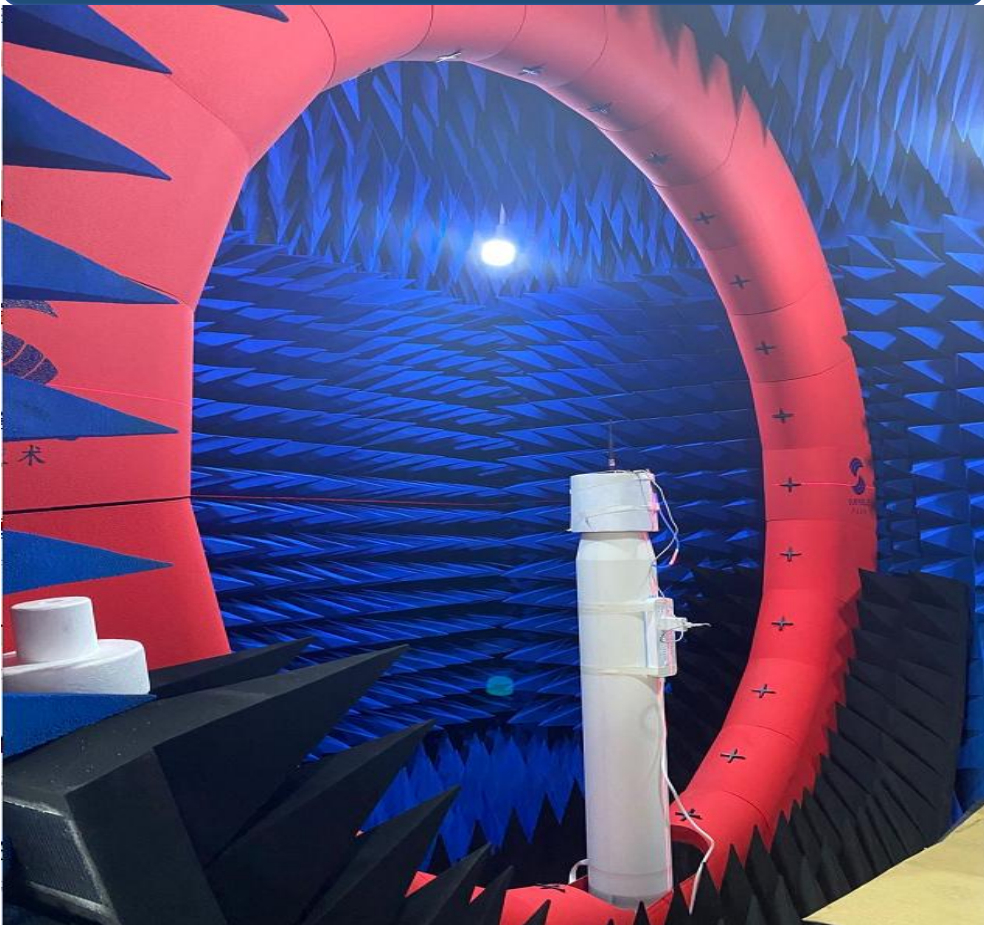
天线测试报告 Antenna test report

2022.08.29

实验设备 (Laboratory equipment)

- Antenna Passive Measurement Efficiency / 3D Pattern @400MHz ~6GHz
- Active Measurement TRP & TIS Measurement for GSM/WCDMA/TD-CDMA/TDD-LTE/FDD-LTE

SG24-L(4m*4m*4m)



网络综测仪 (CMW500)



网络分析仪(5071B)



项目简介 (Project profile)

客户名称 Customer name		项目名称 Project name	KING
天线频段 Antenna band	BT 频率(Frequency): 2400MHz-2500MHz		
天线类型 Antenna type	FPC天线/FPC antenna		

匹配电路图(Matching circuit)

天线匹配电路说明Antenna circuit matching description

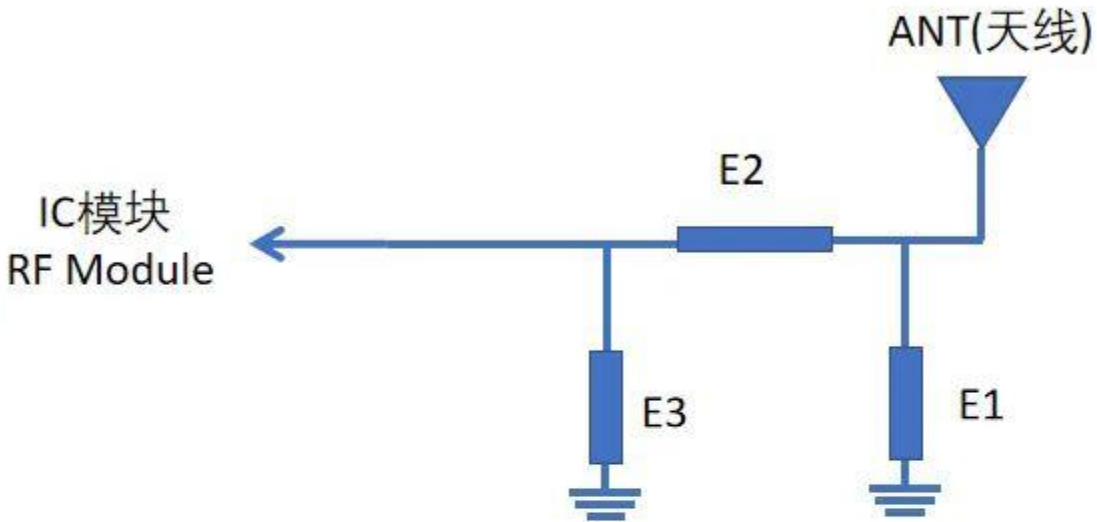
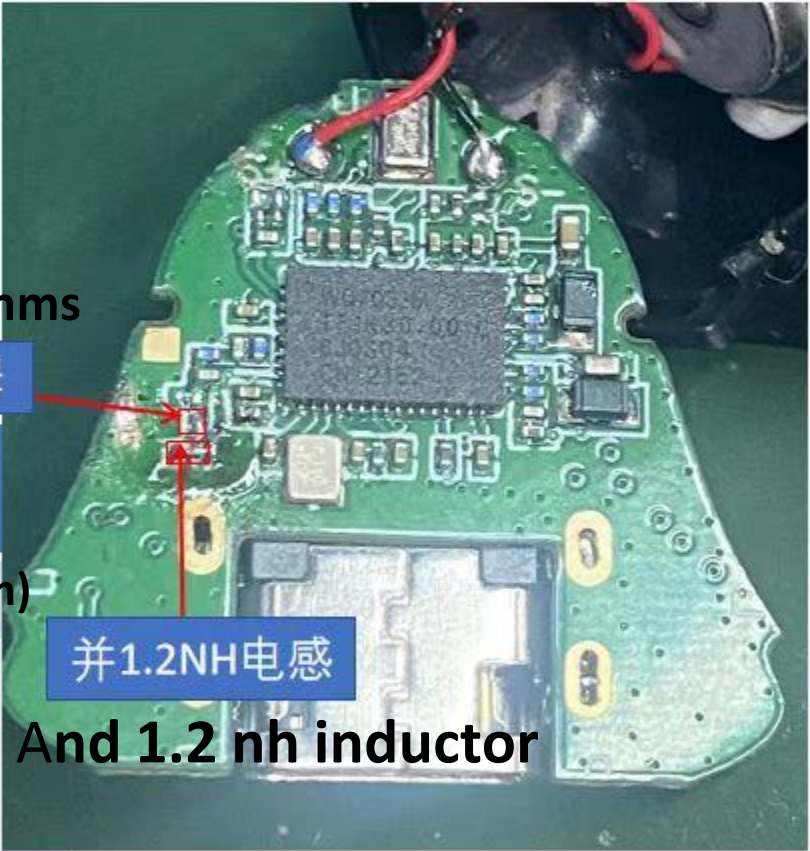


示意图 (Schematic diagram)	
Element	Value
E1	1.2NH (And 1.2 nh inductor)
E2	零欧姆 (Zero ohms)
E3	N/C
E4	

Zero ohms

零欧姆

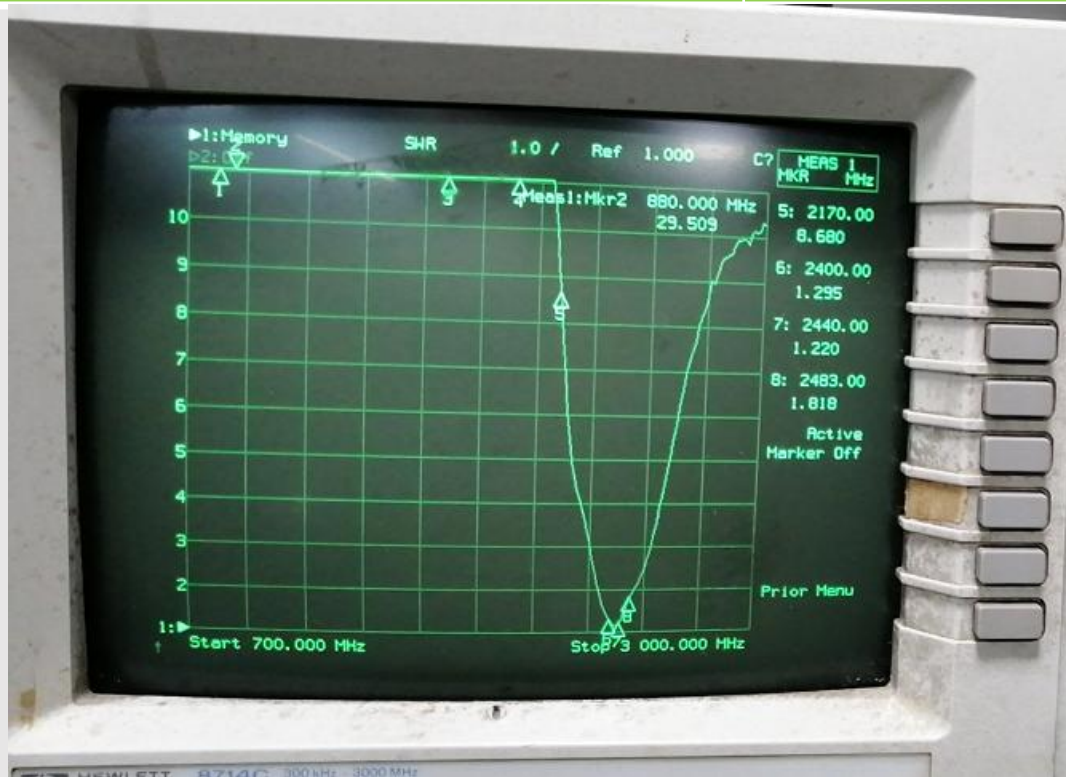


并1.2NH电感

And 1.2 nh inductor

无源参考图 (Passive Reference Diagram)

VSWR



Return Loss

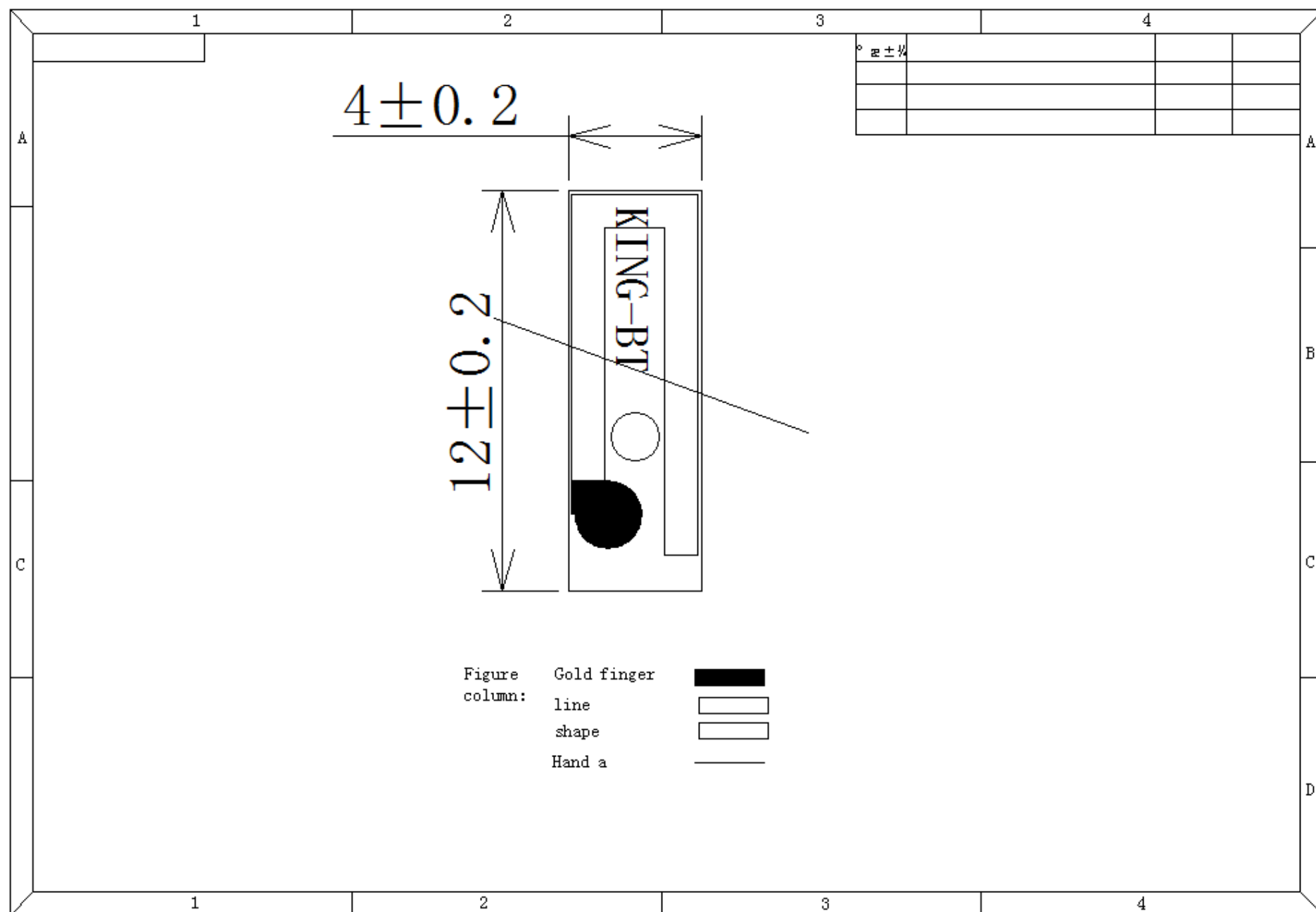


无源测试数据（效率&增益）

Passive Test Data (EFFICIENCY & Gain)

Gain&Efficiency 增益和效率			
frequency 频率(Hz)	gain 增益(dB)	efficiency 效率(dB)	efficiency 效率
2400M	1.92	-5.57	28.44%
2410M	2.18	-4.57	30.25%
2420M	2.53	-4.27	31.33%
2430M	2.82	-3.57	32.17%
2440M	2.88	-3.51	32.43%
2450M	2.97	-3.16	34.10%
2460M	2.95	-3.05	33.33%
2470M	2.97	-2.89	33.42%
2480M	2.35	-4.41	30.96%
2490M	2.76	-3.89	32%
2500M	2.06	-5.52	29.87%

天线图纸 (Antenna drawing)



Thank you



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