



SPECIFICATION

APPLICATION FOR APPROVAL

客户名称 CUSTOMER : 上海英众信息科技有限公司
客户案号 CS P/N : XB22-Aux
零件名称 PART NAME : AUK02130B-Aux
耀登案号 DEVE NO. : B52462-00

承认日期 DATE : Jul. 8, 2021

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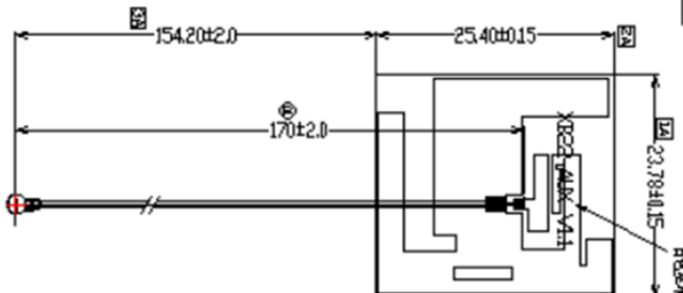
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天线基本参数 (The Basic Parameters)

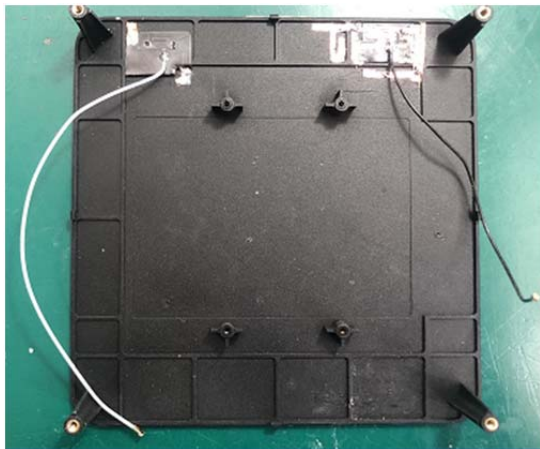
项目 (Item)	特性 (Specifications)
天线结构组成	FPC+CABLE
频率 (Frequency)	2.4g~5.8g
驻波比 (V. S. W. R)	≤ 3
增益 (Gain)	≤ 7
极化方式 (Polarization)	线极化
特性阻抗 (Impedance)	50 Ω
塑胶材质 (Plastic material)	无
接头形式 (joint type)	4 代端子+Cable
工作温度 (Operation temperature)	-40°C to 85°C
储存温度 (Storage temperature)	-40°C to 85°C
湿度 (humidity)	Non-condensing 65°C 95% RH
天线图片	 The technical drawing shows the antenna assembly with the following dimensions: 154.20±2.0, 25.40±0.15, 170±2.0, and 23.78±0.15. A label 'X822-4446-144' is visible on the component.

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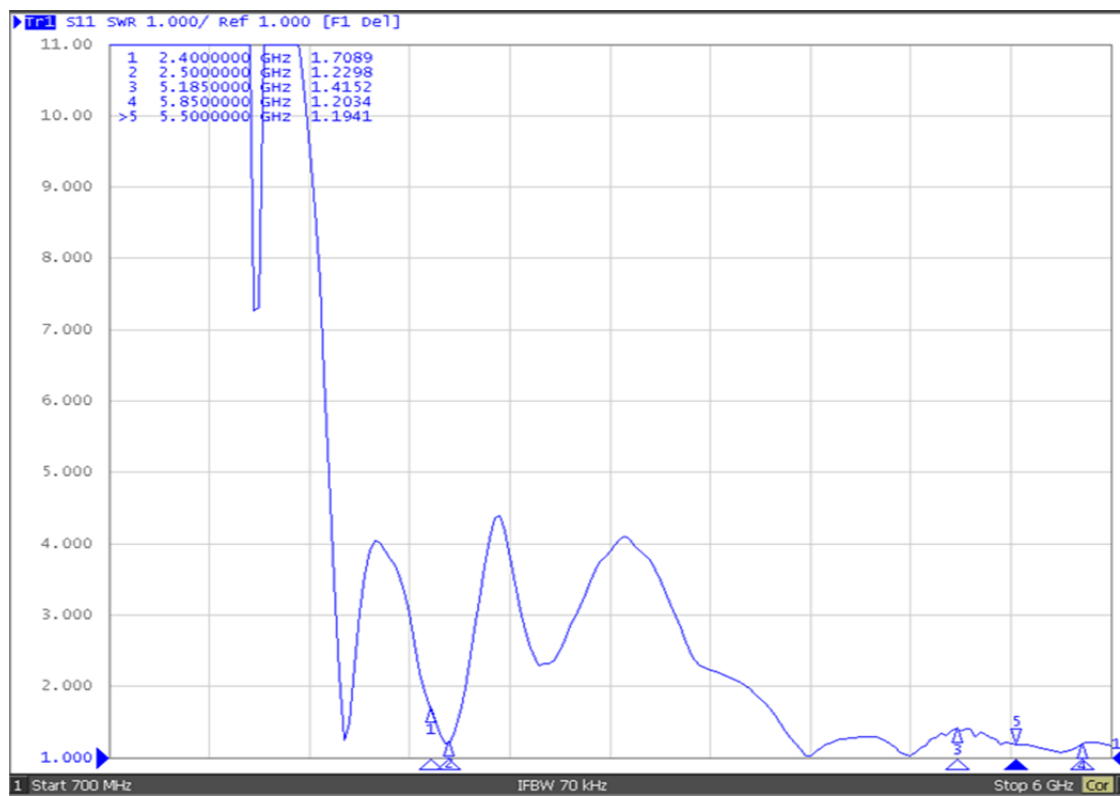
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电气测试报告（RF Performance Test Report）

组装位置



V.S.W.R



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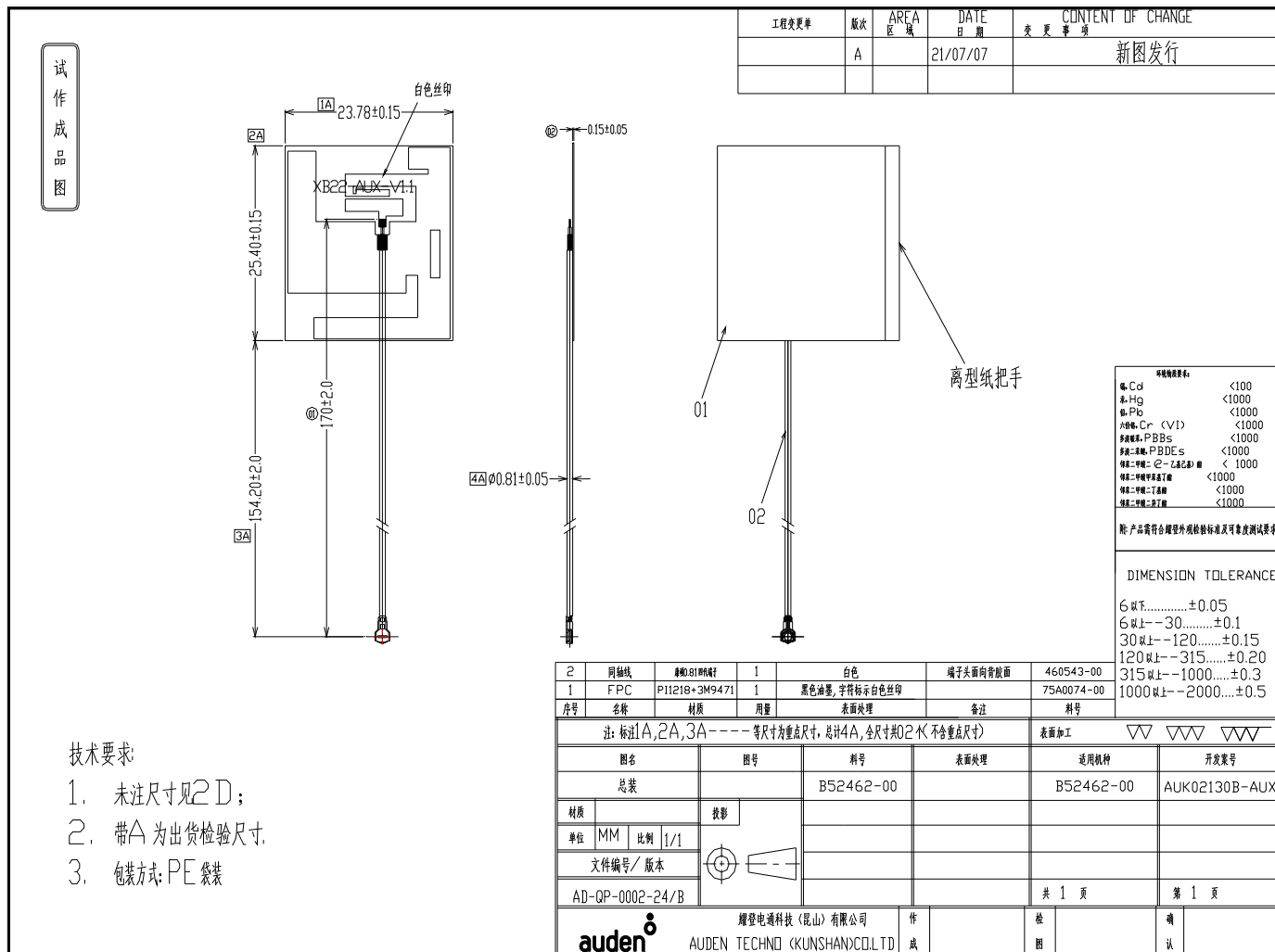
Aux-无源测试数据

Frequency	Efficiency(%)	Gain(dBi)	Frequency	Efficiency(%)	Gain(dBi)
2.4G	54.33	2.23	5.15G	79.98	6.41
2.41G	53.46	2.21	5.2G	76.91	6.15
2.42G	53.58	2.34	5.25G	73.11	5.83
2.43G	51.05	2.14	5.3G	77.27	6.24
2.44G	51.17	2.12	5.35G	69.5	5.89
2.45G	54.58	2.34	5.4G	72.11	6.19
2.46G	54.95	2.14	5.45G	68.39	5.95
2.47G	54.58	2.19	5.5G	67.14	5.96
2.48G	57.15	2.41	5.55G	53.95	5.15
2.49G	55.34	2.33	5.6G	54.45	5.23
2.5G	52.24	2.13	5.65G	53.21	5.28
			5.7G	63.24	5.8
			5.75G	60.53	5.26
			5.8G	62.37	5.36
			5.85G	64.27	5.25

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工程图纸 (Product Drawing)



尺寸报告 (Dimensional check reports)

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Auden Techno(KUNSHAN)CO.LTD ANTENNA SPECIFICATION

No perfect status,Always seek for better !

全尺寸测量报告

Vendor(供应商)		材质名称		天线		Part NO(料号)		B52462-00								Tool Number(模号)		Cav. Number(穴数)		Unit(单位)				Comments(设计者签字)						
耀登						Part Name (零件名称)		总装								AUK02130B-AUX		Rev(版本)	V1.0	INCHES ■MILLIMETERS										
日期		2021/7/7				MEASURED DIMENSION(实测尺寸)										% TOLERANCE USED(公差使用百分比)		DISPOSITION				ACCEPTABLE VARIANCE								
DIM. #	DIMENSION	DRAWING ZONE	+ TOL.	- TOL.	NOTE	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5	SAMPLE 6	SAMPLE 7	SAMPLE 8	SAMPLE 9	SAMPLE 10	UPPER	LOWER	0%-25%	25%-50%	50%-75%	75%-100%	100%+	Re-Measure	Accept	Fix Tool	Accept	With Variance	DIMENSION	+ TOL.	- TOL.
1	23.78	1A	0.15	0.15		23.78	23.79	23.77	23.78	23.79	23.79	23.77	23.78	23.79	23.78	7%	7%	X												
2	25.40	2A	0.15	0.15		25.40	25.41	25.39	25.40	25.41	25.41	25.39	25.40	25.41	25.40	7%	7%	X												
3	154.20	3A	2.00	2.00		154.20	154.30	154.40	154.20	154.30	154.30	154.40	154.20	154.30	154.20	10%	0%	X												
4	0.81	4A	0.05	0.05		0.81	0.81	0.80	0.80	0.81	0.81	0.80	0.80	0.81	0.80	0%	20%	X												
5	170.00	1	2.00	2.00		170.10	170.00	170.20	170.30	170.10	170.00	170.20	170.30	170.10	170.30	15%	0%	X												
6	0.15	2	0.05	0.05		0.15	0.16	0.14	0.15	0.15	0.16	0.14	0.15	0.15	0.15	20%	20%	X												
核准: 李金			审核: 麦建国												制表: 孙贊贊															

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可靠性测试报告(Reliability test report)

NO.	ITEM	TEST CONDITION	SPECIFICATION
1	Low Temperature Test	1.Temperature: $-40\pm 2^{\circ}\text{C}$ 2.Time: 48hrs	No material deformation is allowed.
2	High Temperature Test	1.Temperature: $+85^{\circ}\text{C} \pm 2^{\circ}\text{C}$ 2.Time: 48hrs	
3	High Temperature/Humidity Storage Test(non operating)	1.Temperature: $+60 \pm 2^{\circ}\text{C}$ 2.Humidity: $93\% \pm 2\% \text{RH}$ 3.Time: 48hrs	
4	Salt-Spray Test	35°C , 85%RH, 48Hours(According to MIL-STD-810E) The salt-spray is generated from a 5% salt(NaCl) solution.,	NO appear rusting phenomenon is allowed

耀登电通科技(昆山)有限公司

可靠性测试汇总报告

客户		客户机种		耀登机种	AUK02130B-AUX					
可靠性测试项目及要求						测试结果				
序号	测试项目	测试时间	测试仪器	测试条件	判定标准	1	2	3	4	5
1	盐雾试验	2021/6/30	盐雾测试机	将产品放于盐雾试验机中, 在 $35^{\circ}\text{C} \pm 2^{\circ}\text{C}$ 的密闭环境中, PH值在6.5-7.2范围内, 用5% $\pm 1\%$ 的NaCl溶液连续48h盐水喷雾后, 将样品用清水冲洗干净后检查天线外观;	表面无锈蚀、镀层剥落、起泡等不良现象, RF测试通过为合格。	OK	OK	OK	OK	OK
2	低温试验	2021/6/30	恒温恒湿机	将产品放置在温度为 $-40^{\circ}\text{C} \pm 2^{\circ}\text{C}$ 的低温环境存储48h, 试验完成后在常温环境下放置2小时后检查产品外观。	部件无裂痕、明显的变形、脱落, RF测试通过为合格。	OK	OK	OK	OK	OK
3	高温试验	2021/7/2	恒温恒湿机	将产品放置在温度为 $85^{\circ}\text{C} \pm 2^{\circ}\text{C}$ 的高温环境存储48h, 试验完成后在常温环境下放置2 h后检查产品外观。	部件无裂痕、明显的变形、脱落, RF测试通过为合格。	OK	OK	OK	OK	OK
4	高温高湿试验	2021/7/4	恒温恒湿机	将产品放置在温度为 $60^{\circ}\text{C} \pm 2^{\circ}\text{C}$; 湿度: $93\% \pm 2\% \text{RH}$ 环境存储48h, 试验完成后在常温环境下放置2小时后检查产品外观。	部件无裂痕、明显的变形、脱落, RF测试通过为合格。	OK	OK	OK	OK	OK
试验结果判定				可靠性试验合格						
核准: 李金				审核: 麦建国			测试员: 孙赞赞			

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