



SPECIFICATION

APPLICATION FOR APPROVAL

客户名称 CUSTOMER : 45-2-000418
客户案号 CS P/N : Escape-P6
零件名称 PART NAME : AUK01911-WiFi
耀登案号 DEVE NO. : AUKE3555-WiFi 天线
零件编码 PART NO. : A92028-90
承认日期 DATE : Apr 13, 2020

客户确认:			
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耀登电通科技(昆山)有限公司			
电气工程师	结构工程师	研发经理	项目经理

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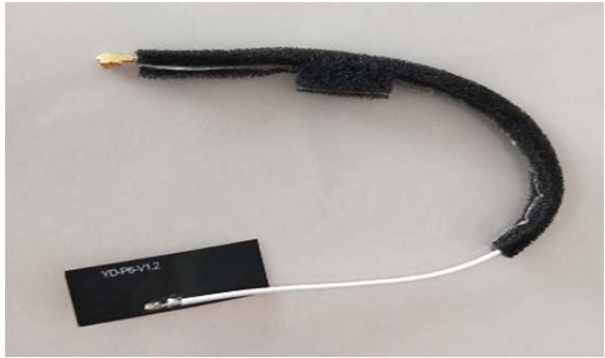
修订 Revise

版本 Version	日期 Date	修订描述 Description
V1.0	2020/4/13	天线确认封样

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天线基本参数 (The Basic Parameters)

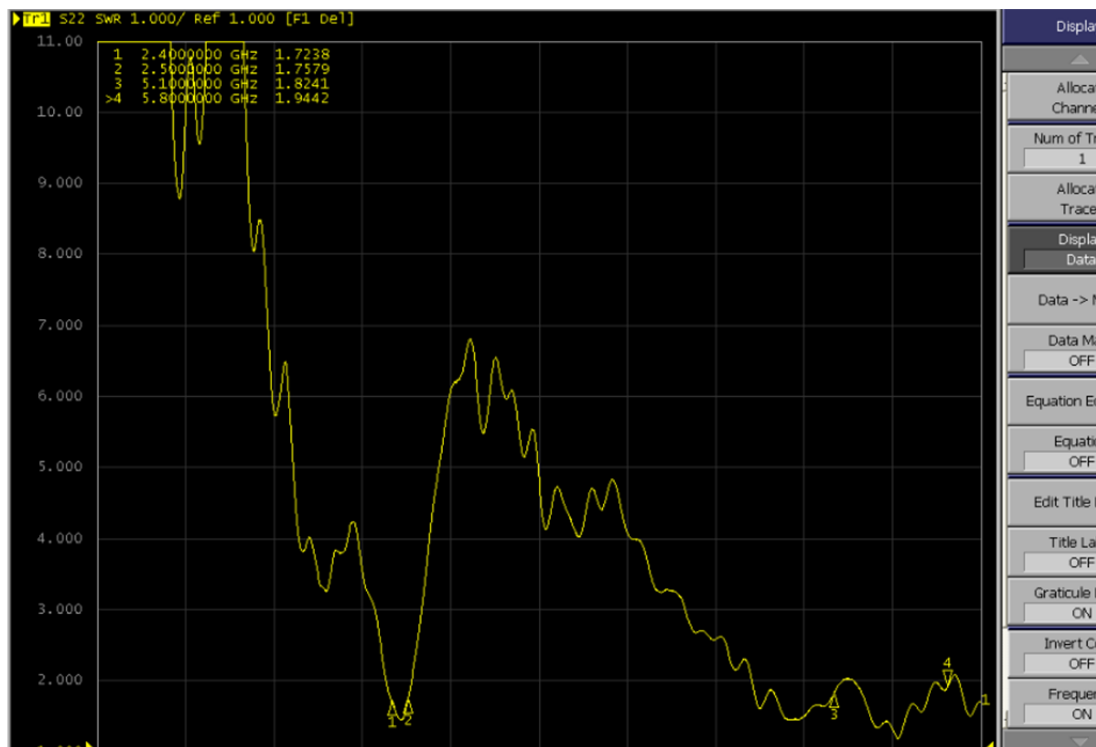
项目 (Item)	特性 (Specifications)
天线结构组成	FPC+CABLE
频率 (Frequency)	2.4g~5.8g
驻波比 (V. S. W. R)	≤ 3
增益 (Gain)	≤ 3
极化方式 (Polarization)	线极化
特性阻抗 (Impedance)	50Ω
材质(Texture)	无
接头 (Joint type)	IPEX 1 代
工作温度 (Operation temperature)	-40°C to 85°C
储存温度 (Storage temperature)	-40°C to 85°C
湿度 (Humidity)	Non-condensing 65°C 95% RH
天线图片	

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电气测试报告 (RF Performance Test Report)

1.VSWR



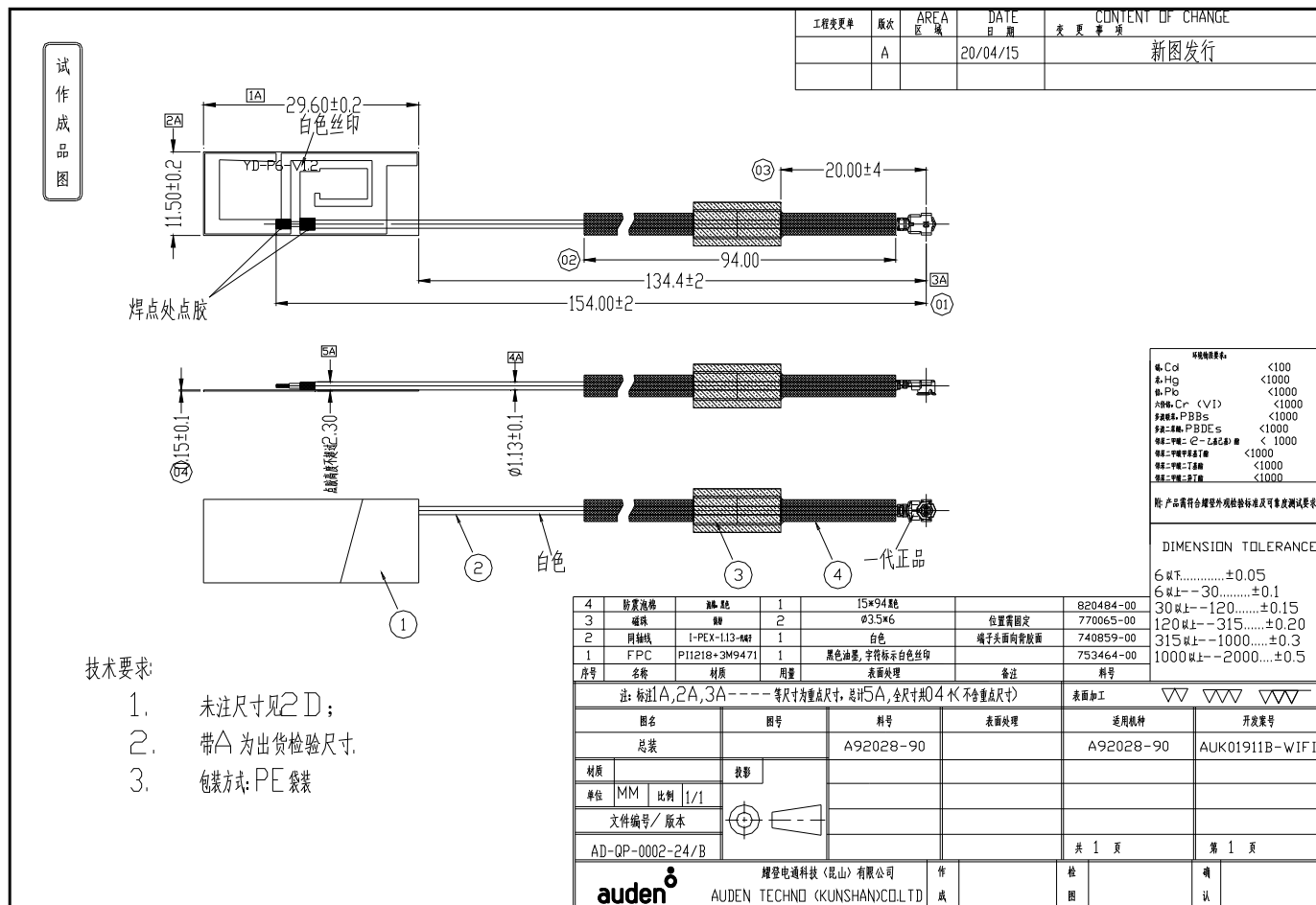
2.无源效率

Frequency	Efficiency Total (%)	Peak EIRP Total (dBi)	Frequency	Efficiency Total (%)	Peak EIRP Total (dBi)
2.4G	47.3	2.94	5.15G	40.55	1.07
2.41G	46.24	2.25	5.2G	42.95	1.25
2.42G	46.99	3.12	5.25G	39.36	0.71
2.43G	49.82	3.43	5.3G	40.18	0.99
2.44G	46.07	3.28	5.35G	40.46	1.33
2.45G	40.67	3.09	5.4G	41.59	0.82
2.46G	43.15	1.89	5.45G	40.93	1.16
2.47G	46.03	1.97	5.5G	42.56	1.12
2.48G	43.15	1.73	5.55G	41.02	1.86
2.49G	47.53	2.63	5.6G	41.4	1.85
2.5G	42.64	2.16	5.65G	44.26	2.06
			5.7G	42.95	1.83
			5.75G	43.55	1.89
			5.8G	41.21	1.34
			5.85G	40.09	0.68

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工程图纸 (Product Drawing)



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尺寸报告 (Dimensional check reports)

全尺寸测量报告

Vendor(供应商)		材质名称		天线		Part NO(料号)		A92028-90								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												INCHES ■ MILLIMETERS									
日期		2020/4/15		MEASURED DIMENSION(实测尺寸)																							% TOLERANCE USED(公差使用百分比)		DISPOSITION
DIM. #	DIMENSION	DRAWING	+ 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-Meas	Accept	Fix Tool	Accept With Variance	DIMENSION	+ TOL	- TOL
1	29.60	1A	0.20	0.20		29.60	29.61	29.62	29.60	29.63	29.60	29.61	29.62	29.60	29.63	15%	0%	X											
2	11.50	2A	0.20	0.20		11.51	11.52	11.53	11.50	11.51	11.51	11.52	11.53	11.50	11.51	15%	0%	X											
3	134.40	3A	2.00	2.00		134.40	134.41	134.42	134.43	134.41	134.40	134.41	134.42	134.43	134.41	2%	0%	X											
4	1.13	4A	0.10	0.10		1.13	1.12	1.14	1.13	1.13	1.13	1.12	1.14	1.13	1.13	10%	10%	X											
5	2.30	5A	0.05	0.05		2.30	2.31	2.29	2.31	2.30	2.30	2.31	2.29	2.31	2.30	20%	20%	X											
6	154.00	1	2.00	2.00		154.00	154.01	154.02	154.03	154.01	154.00	154.01	154.02	154.03	154.01	2%	0%	X											
7	94.00	2	0.15	0.15		94.00	94.01	94.02	94.00	93.99	94.00	94.01	94.02	94.00	93.99	13%	7%	X											
8	20.00	3	4.00	4.00		20.00	20.01	20.02	19.99	20.00	20.00	20.01	20.02	19.99	20.00	0%	0%	X											
9	0.15	4	0.10	0.10		0.15	0.14	0.16	0.15	0.15	0.15	0.14	0.16	0.15	0.15	10%	10%	X											
核准: 邹菊						审核: 麦建国						制表: 孙贊贊																	

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: 48hrss	
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	汉桑	客户机种	耀登机种		AUK01911B-WIFI						
可靠性测试项目及要求						测试结果					备注
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	2020/4/8	盐雾测试机	将产品放于盐雾试验机中，在35℃±2℃的密闭环境中，PH值在6.5-7.2范围内，用5%±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	 盐雾试验.doc
2	低温试验	2020/4/8	恒温恒湿机	将产品放置在温度为-40℃±2℃的低温环境存贮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	 低温试验.doc
3	高温试验	2020/4/10	恒温恒湿机	将产品放置在温度为85℃±2℃的高温环境存贮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	 高温试验.doc
4	高温高湿试验	2020/4/12	恒温恒湿机	将产品放置在温度为60℃±2℃；湿度：93%±2%RH环境存贮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	 高温高湿试验.doc
试验结果判定				可靠性试验合格							
核准：邹菊				审核：麦建国				测试员:孙赞赞			

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