



SPECIFICATION

APPLICATION FOR APPROVAL

CUSTOMER : 45-2-000418
CS P/N : Escape-P6
PART NAME :
DEVE NO. : AUK01911-WiFi
PART NO : A92028-90
DATE : Oct. 13, 2020

Customer confirmation:			
RF Engineer	ME Engineer	Manager	PM
AUDEN COMMUNICATIONS & MULTIMEDIA TECHNO (KUNSHAN) CO.,LTD			
RF Engineer	ME Engineer	PM	Manager

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Revise

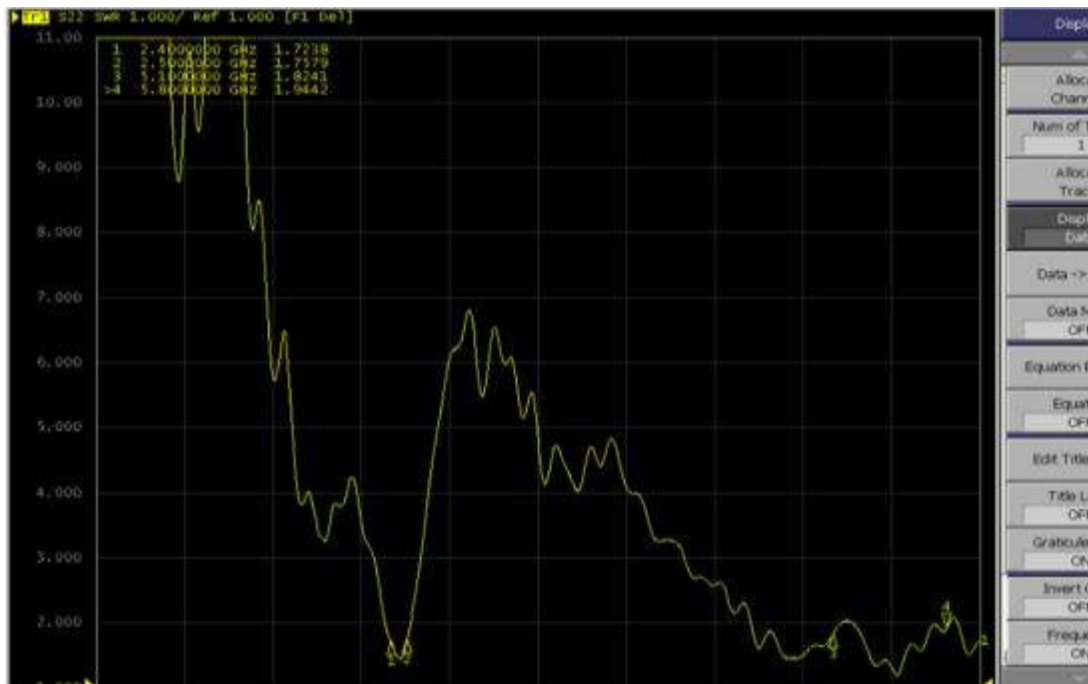
Version	Date	Description
V1.0	2020/4/13	Confirm the sealing sample of the antenna

The Basic Parameters

Item	Specifications
Antenna structurecomposition	External FPC Antenna
Frequency	2.4g~5.8g
V. S. W. R	≤ 3
Gain	≤ 3.5
Polarization	Linear polarization
Impedance	50Ω
Material	not
Joint type	IPEX 1 代
Operation temperature	-40°C to85°C
Storage temperature	-40°C to 85°C
Humidity	Non-condensing 65°C 95% RH
illustration	

RF Performance Test Report

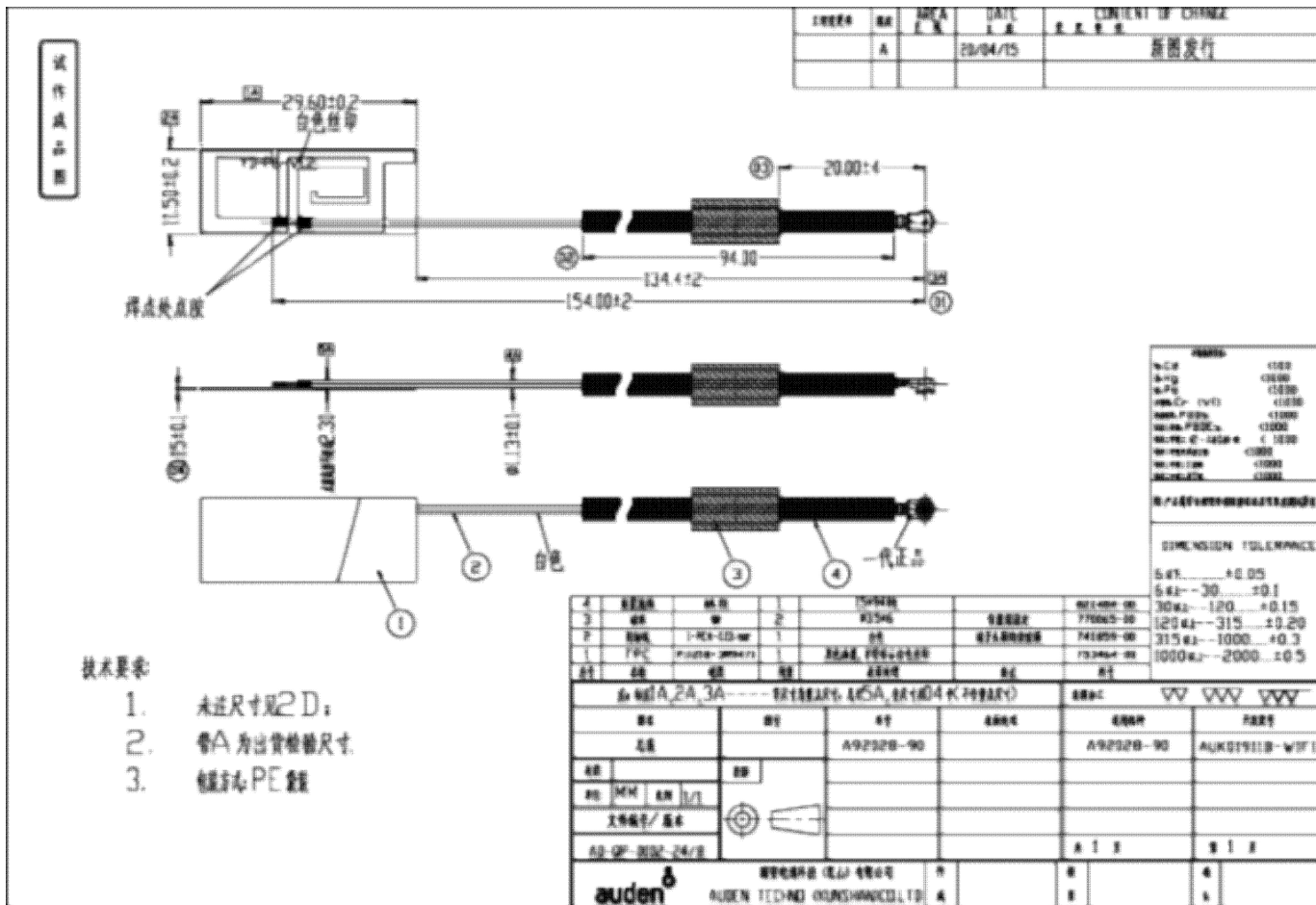
VSWR



Efficiency

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

Product Drawing





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



Auden Dentsu Technology (Kunshan) Co., Ltd

Reliability test summary report

客户	汉桑	客户机种		耀登机种	AUK01911B-WIFI	测试结果					备注
可靠性测试项目及要						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 $35^{\circ}\text{C}\pm 2^{\circ}\text{C}$ 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	 盐
2	低温试验	2020/4/8	恒温恒湿机	将产品放置在温度为 $-40^{\circ}\text{C}\pm 2^{\circ}\text{C}$ 的低温环境贮存 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 $85^{\circ}\text{C}\pm 2^{\circ}\text{C}$ 的高温环境贮存 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 $60^{\circ}\text{C}\pm 2^{\circ}\text{C}$; 湿度: $93\%\pm 2\%\text{RH}$ 环境贮存 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
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											