



SPECIFICATION

APPLICATION FOR APPROVAL

客户名称 CUSTOMER : 深圳市美高电子有限公司
客户案号 CS P/N : 05.06.017
零件名称 PART NAME : AUK01949B-WIFI2
耀登案号 DEVE NO. : A92100-01

承认日期 DATE : Jun. 08, 2020

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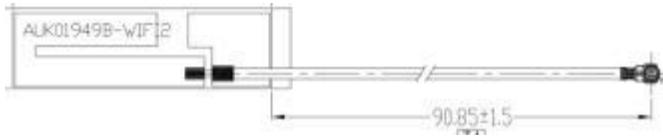
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天线基本参数 (The Basic Parameters)

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)	≤ 3
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)	IPEX 4 代
线损 (Cable loss)	2.4~2.5GHz:0.5dB 5.15~5.85GHz:0.8dB
线材长度 (Cable length)	L160mm
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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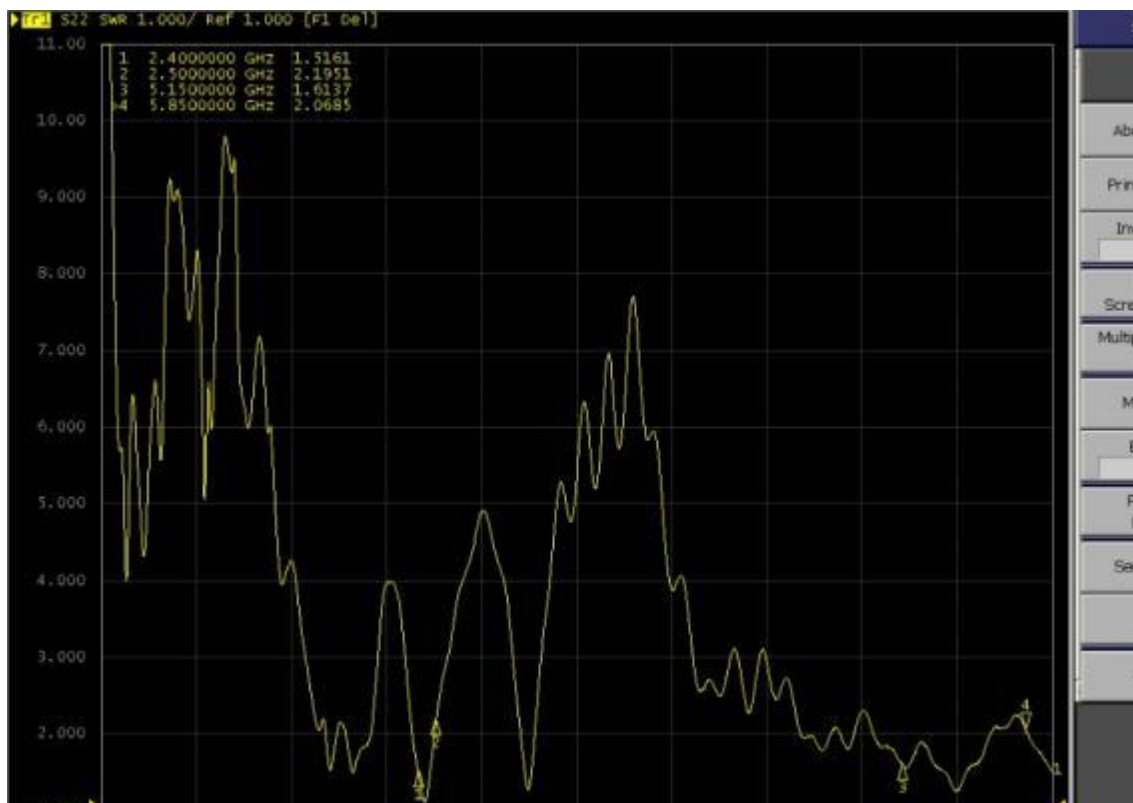
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电气测试报告 (RF Performance Test Report)

AUK01949B-Aux /V.S.W.R



无源测试数据

	wifi2		wifi1	
测试频率	Efficiency-%	Gain(dBi)	Efficiency-%	Gain(dBi)
2400	21.86	-2.2	34.41	1.28
2410	21.56	-2.83	34	1.11
2420	20.65	-3.32	32.93	0.93
2430	19.54	-3.67	31.8	0.74
2440	19.28	-3.41	31.14	0.51
2450	19	-3.3	30.35	0.26
2460	19.18	-3.08	30.1	0.19
2470	20.15	-2.9	31.16	0.24
2480	21.29	-2.67	33.05	0.4
2490	21.97	-2.62	34.69	0.51
2500	22.62	-2.59	36.15	0.69
5150	37.7	3.06	31.03	3.32
5200	41.29	3.36	32.94	3.53
5250	46.25	4.09	36.85	3.98
5300	46.66	4.38	37.48	4.51
5350	48.17	4.38	38.76	4.82
5400	42.94	3.81	35.55	4.43
5450	44.64	3.92	38.61	4.4
5500	43.98	3.94	36.5	3.96
5550	40.98	3.36	31.26	2.88
5600	42.47	3.61	30.44	2.39

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Auden Techno(KUNSHAN)CO.LTD ANTENNA SPECIFICATION

No perfect status, Always seek for better!

5650	42.86	3.84	31.64	2.17
5700	46.14	4.26	34.11	2.52
5750	43.75	4.32	33.05	2.84
5800	42.61	4.45	31.82	2.74
5850	46.47	5.03	30.66	3.15
5925	50.6	5.64	25.76	2.53
5975	52.6	5.96	20.93	1.71
6025	49.05	5.82	17.96	1.15
6075	59.11	6.78	20.73	1.95
6125	54.58	6.25	21.65	1.88
6175	57.61	6.66	25.46	2.76
6225	47.83	5.58	25	2.51
6275	49.07	5.74	28.57	2.86
6325	49.3	5.66	29.22	2.41
6375	45.93	5.13	24.25	1.38
6425	46.05	5.29	23.05	0.85
6475	43.47	4.98	21.41	1.13
6525	45.85	5.01	22.13	1.46
6575	48.05	4.94	23.11	1.81
6625	48.03	4.9	24.04	1.72
6675	50.41	5.33	28.17	2.68
6725	53.84	5.77	32.35	3.25
6775	54.54	5.91	34.53	3.85
6825	53.13	5.78	32.96	3.51
6875	50.28	5.61	30.73	3.75
6925	50.25	5.62	31.22	4.37
6975	50.58	5.71	30.74	4.67
7025	48.36	4.98	28.57	4.62
7075	45.72	4.9	27.82	4.76
7125	44.76	5.07	29.71	4.95

有源测试数据

Band	Data Rate Mbps	Test Item	Channel	1218-PM	
				TRP (dBm)	AVG (dBm)
2.4G 11b	11M	TRP (3D)	1	15.39	12.9
			7	11.04	
			11	12.16	
5G 11a	6M	TRP (3D)	36	15.31	16.0
			100	16.09	
			149	16.46	
Band	Data Rate Mbps	Test Item	Channel		
				TIS (dBm)	AVG (dBm)
2.4G 11b	11M	TIS (3D)	1	-71.32	-65.9
			7	-63.65	
			11	-62.74	
5G 11a	54M	TIS (3D)	36	-66.6	-67.3
			100	-65.52	
			149	-69.71	

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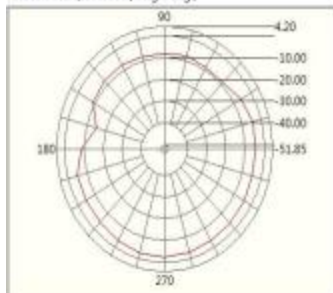
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H-Plane

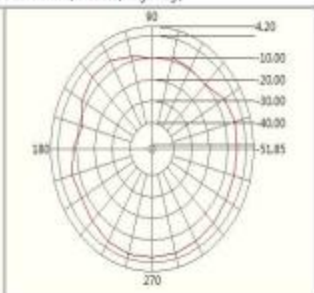
2.4GHz H-Plane

Excel XY Plot (Value dB / Angle deg.)



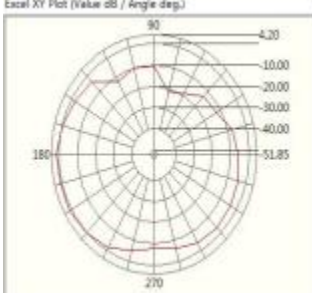
2.5GHz H-Plane

Excel XY Plot (Value dB / Angle deg.)



5.15GHz H-Plane

Excel XY Plot (Value dB / Angle deg.)



5.85GHz H-Plane

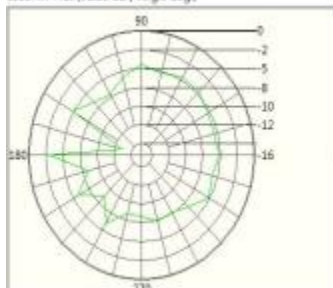
Excel XY Plot (Value dB / Angle deg.)



E-Plane

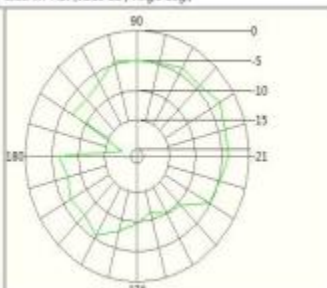
2.4GHz E-Plane

Excel XY Plot (Value dB / Angle deg.)



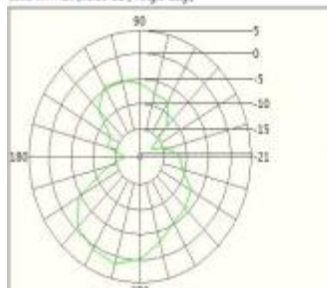
2.5GHz E-Plane

Excel XY Plot (Value dB / Angle deg.)



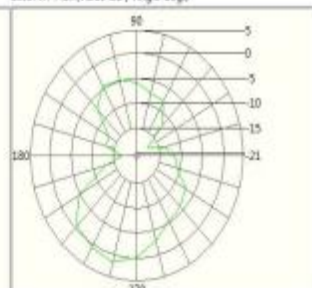
5.15GHz E-Plane

Excel XY Plot (Value dB / Angle deg.)



5.85GHz E-Plane

Excel XY Plot (Value dB / Angle deg.)

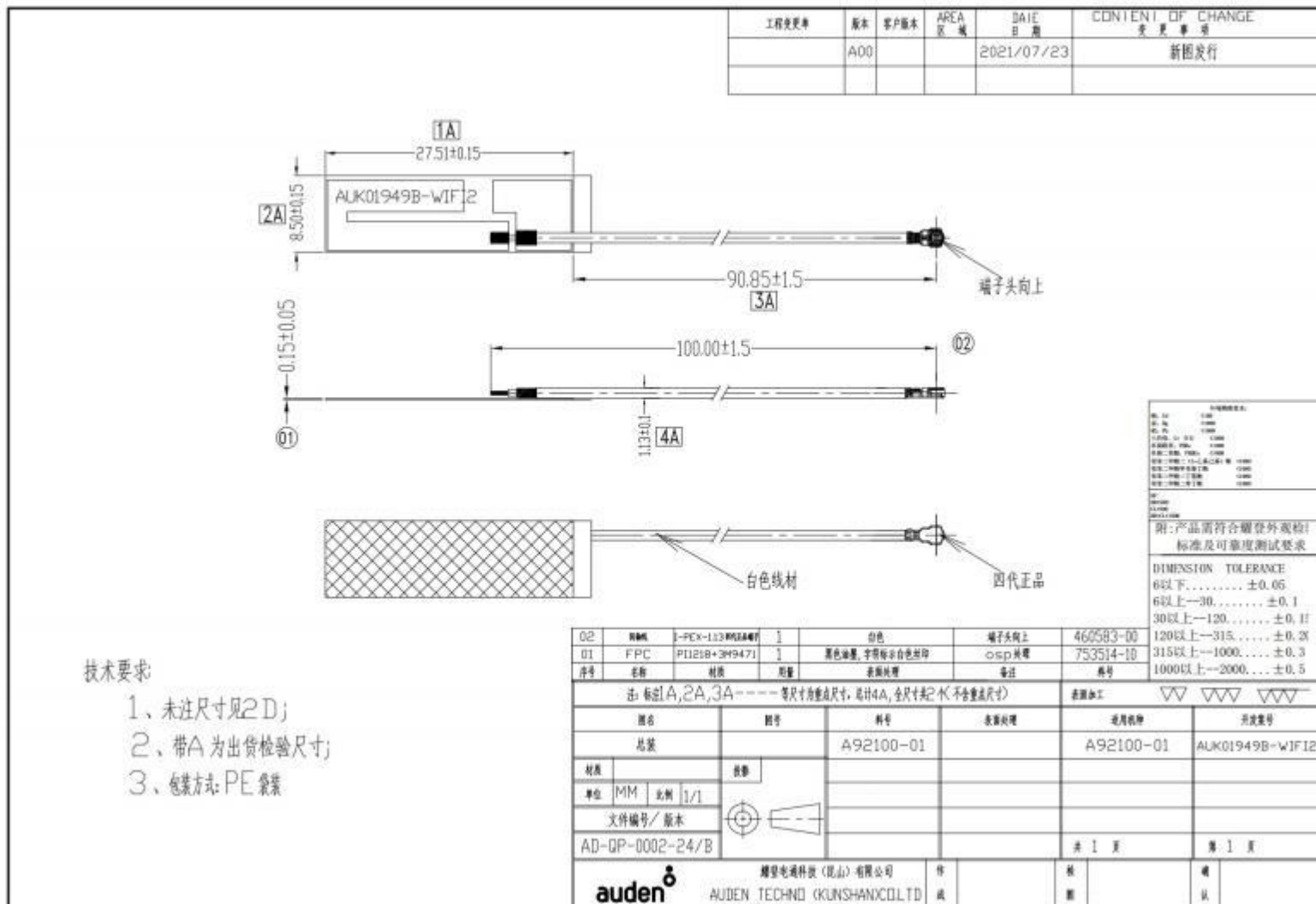


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工程图纸 (Product Drawing)



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