



SPECIFICATION

APPLICATION FOR APPROVAL

客户名称 CUSTOMER : 深圳市美高电子设备有限公司
客户案号 CS P/N : ARWSA
零件名称 PART NAME : A73714-30
耀登案号 DEVE NO. : AUK02722-主天线
零件料号 PART NAME :
承认日期 DATE : Jun. 09, 2025

客户确认:			
射频工程师	结构工程师	研发经理	产品经理
耀登电通科技(昆山)有限公司			
电气工程师	结构工程师	项目	核准
蒋璐瑶	袁璐阳	张园勤	王显文

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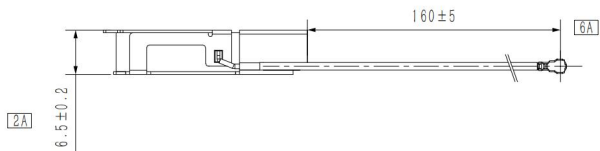
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天线基本参数 (The Basic Parameters)

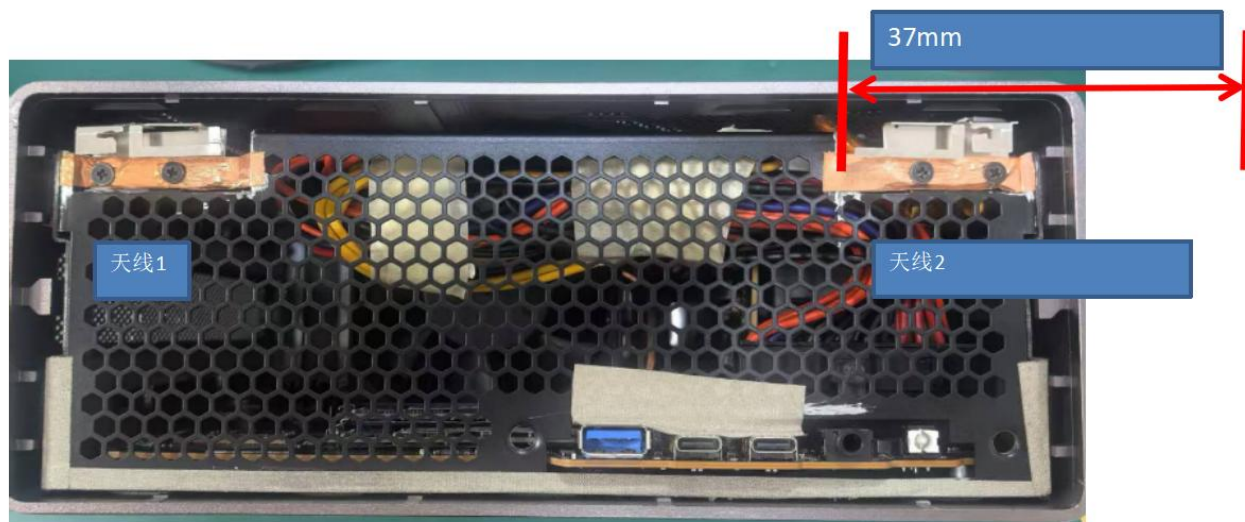
项目 (Item)	特性 (Specifications)
天线结构组成	钢片+cable+泡棉
频率 (Frequency)	2.4GHz~7.1GHz
驻波比 (V. S. W. R)	≤ 3
增益 (Gain)	≤ 6
极化方式 (Polarization)	线极化
特性阻抗 (Impedance)	50 Ω
塑胶材质 (Plastic material)	无
接头形式 (joint type)	4 代端子+Cable
工作温度 (Operation temperature)	-40°C to 85°C
储存温度 (Storage temperature)	-40°C to 85°C
湿度 (humidity)	Non-condensing 65°C 95% RH
天线图片	

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电气测试报告 (RF Performance Test Report)

天线组装位置

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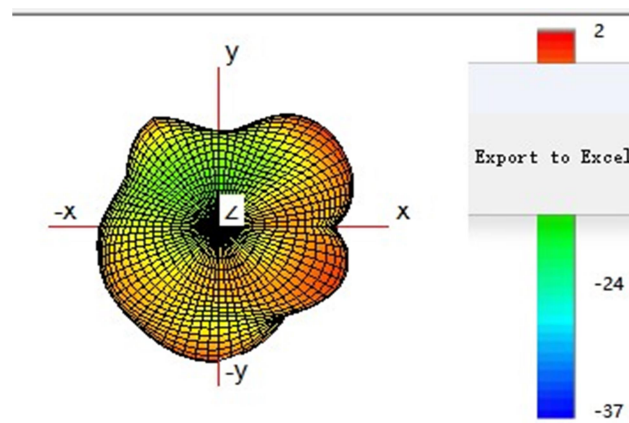
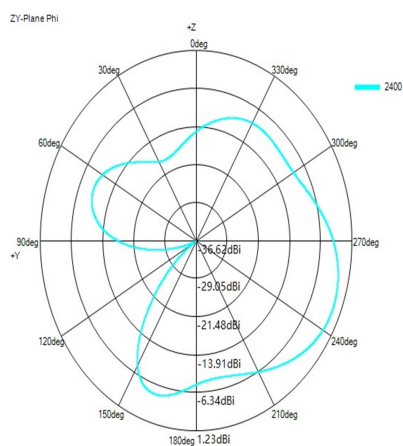
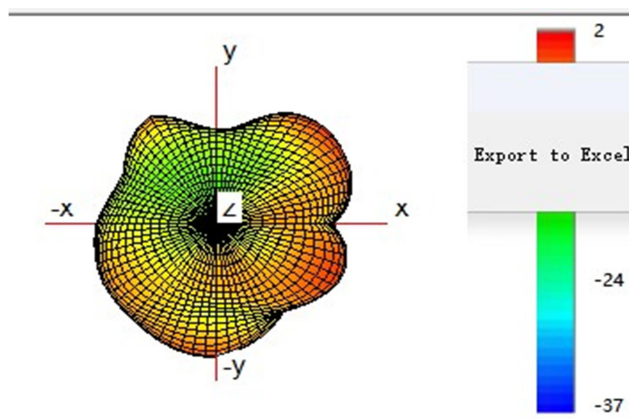
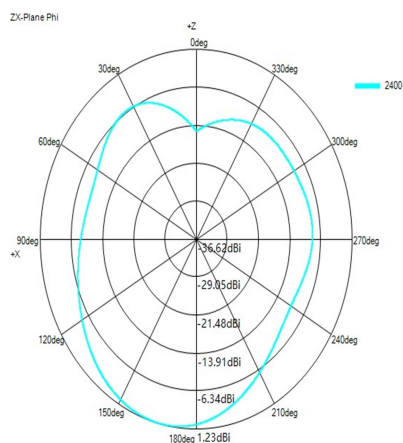
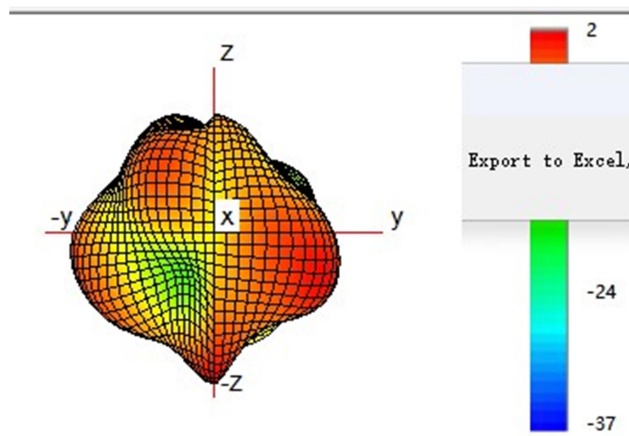
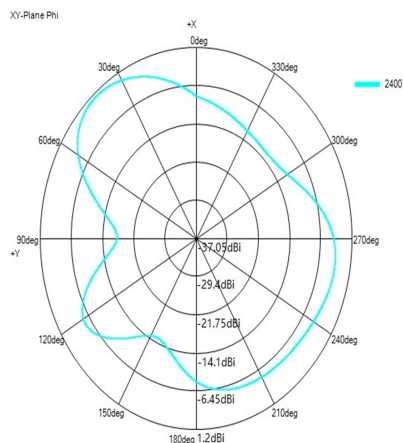
WIFI1-无源测试数据

测试频率	Efficiency-DB	Efficiency-%	Gain(dBi)
2400	-4.88	32.5	1.33
2410	-4.64	34.39	1
2420	-4.5	35.49	1.07
2430	-4.58	34.84	1.24
2440	-5.24	29.91	0.83
2450	-5.17	30.38	0.67
2460	-5.04	31.35	0.5
2470	-4.87	32.62	0.56
2480	-4.71	33.84	0.97
2490	-4.7	33.88	0.96
2500	-4.81	33.01	1.09

测试频率	Efficiency-DB	Efficiency-%	Gain(dBi)	测试频率	Efficiency-DB	Efficiency-%	Gain(dBi)
5150	-5.28	29.64	1.01	6175	-4.38	36.5	5.07
5200	-5.21	30.12	1.71	6225	-4.61	34.58	4.68
5250	-4.29	37.23	3.38	6275	-4.56	34.96	4.43
5300	-4.72	33.7	3.15	6325	-5.4	28.87	3.52
5350	-4.95	31.97	3.4	6375	-6.81	20.82	1.26
5400	-5.04	31.32	3.6	6425	-6.52	22.31	1.66
5450	-4.69	33.96	3.72	6475	-6.87	20.55	1.27
5500	-3.87	41.04	4.74	6525	-6.39	22.97	1.88
5550	-3.24	47.42	5.67	6575	-5.65	27.24	2.55
5600	-2.86	51.82	6.06	6625	-5.07	31.11	3.43
5650	-3.49	44.74	5.06	6675	-5	31.6	3.58
5700	-3.92	40.53	4.42	6725	-5.28	29.66	3.36
5750	-4.4	36.3	4.27	6775	-6.14	24.3	2.33
5800	-4.27	37.44	4.6	6825	-7.39	18.26	1.43
5850	-3.82	41.47	4.9	6875	-7.44	18.04	1.27
5925	-3.76	42.09	4.64	6925	-7.17	19.17	1.89
5975	-4.17	38.29	4.69	6975	-6.35	23.18	3
6025	-4.85	32.74	4.22	7025	-5.86	25.97	3.35
6075	-4.69	33.94	4.62	7075	-5.93	25.5	3.69
6125	-5.02	31.45	4.28	7125	-6.09	24.61	3.34

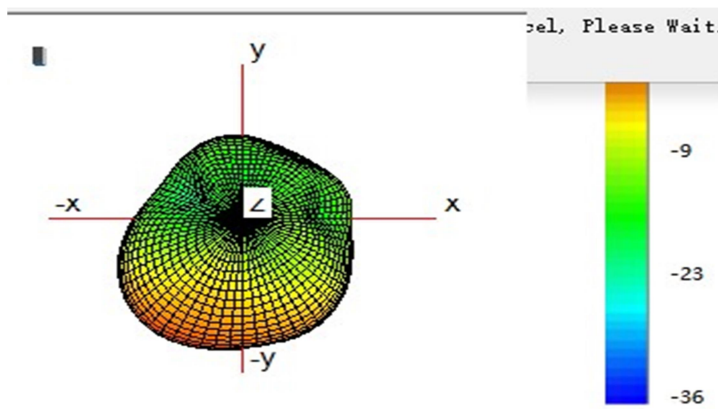
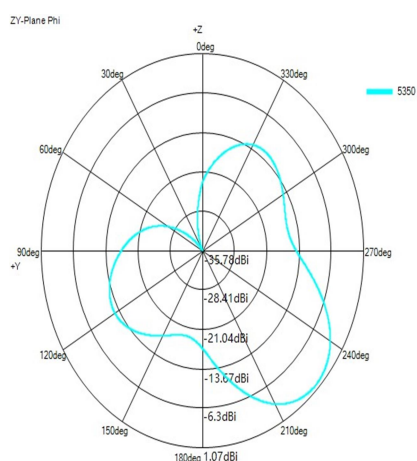
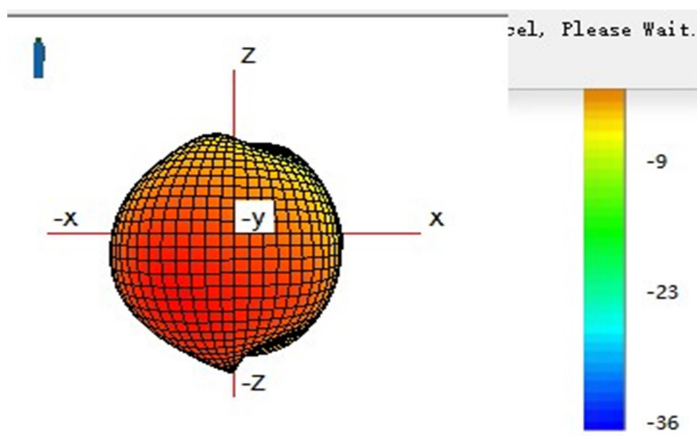
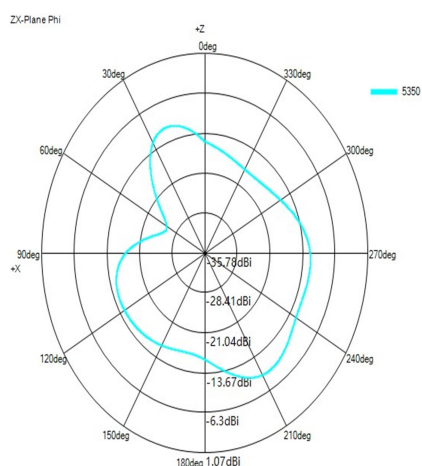
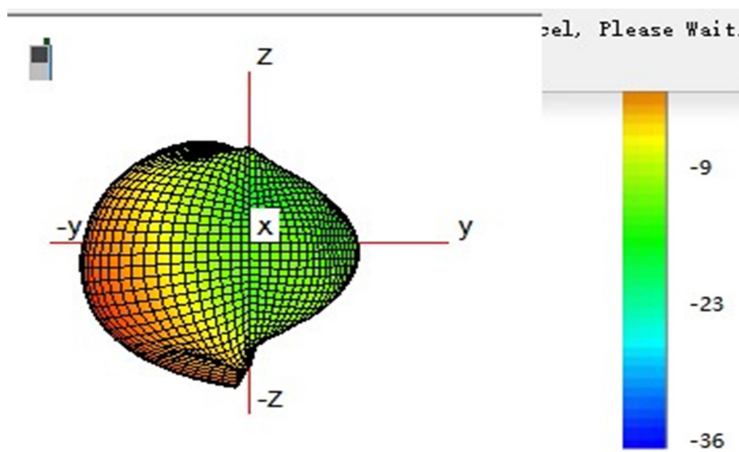
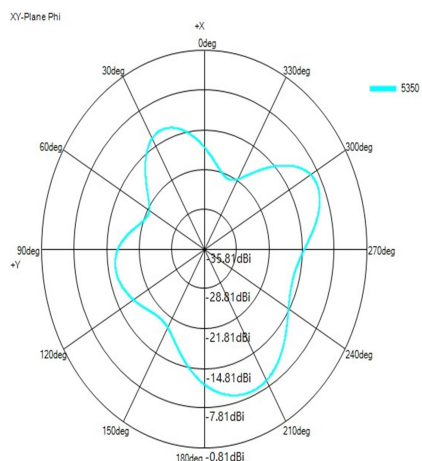
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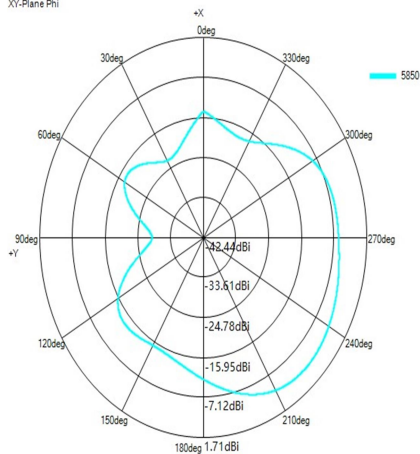
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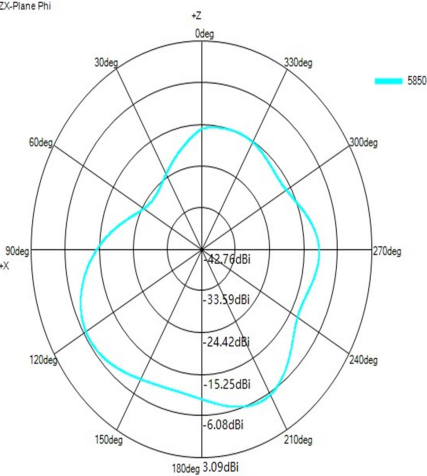
No perfect status, Always seek for better !

2D/3D 图 WIFI1-5850M

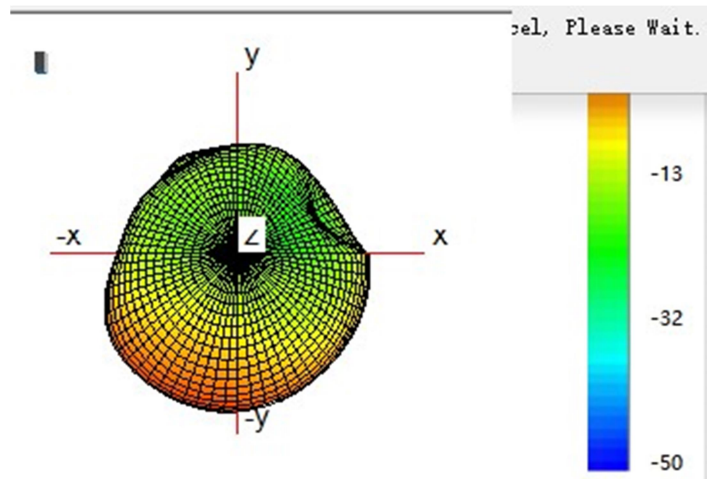
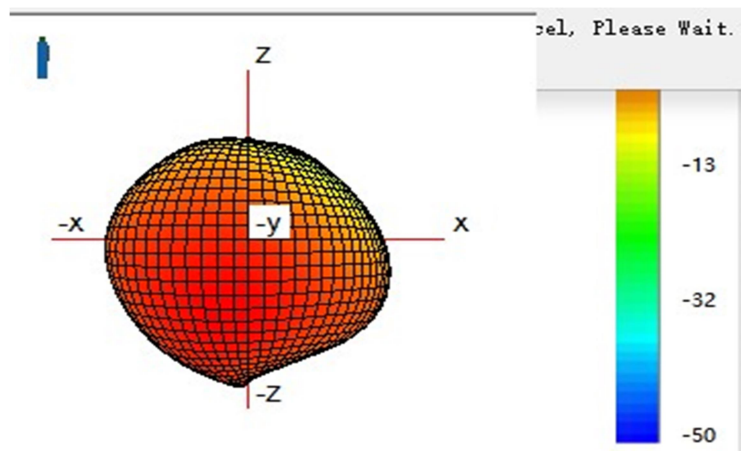
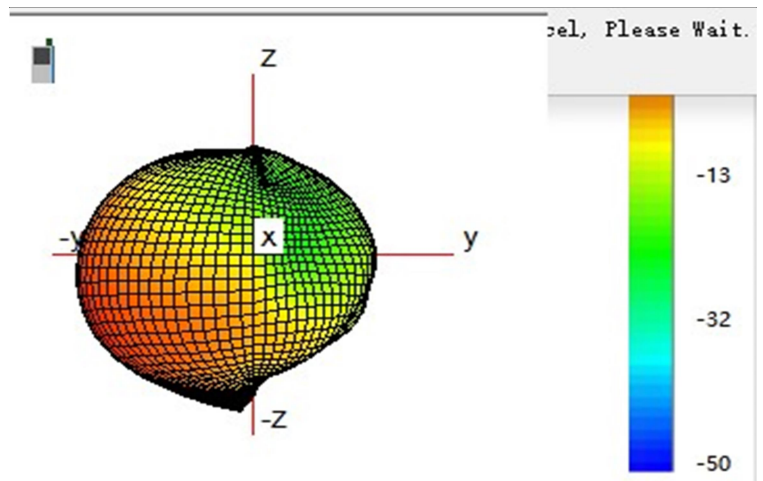
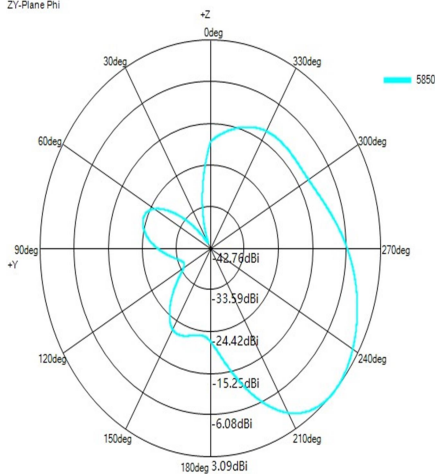
XY-Plane Phi



ZX-Plane Phi



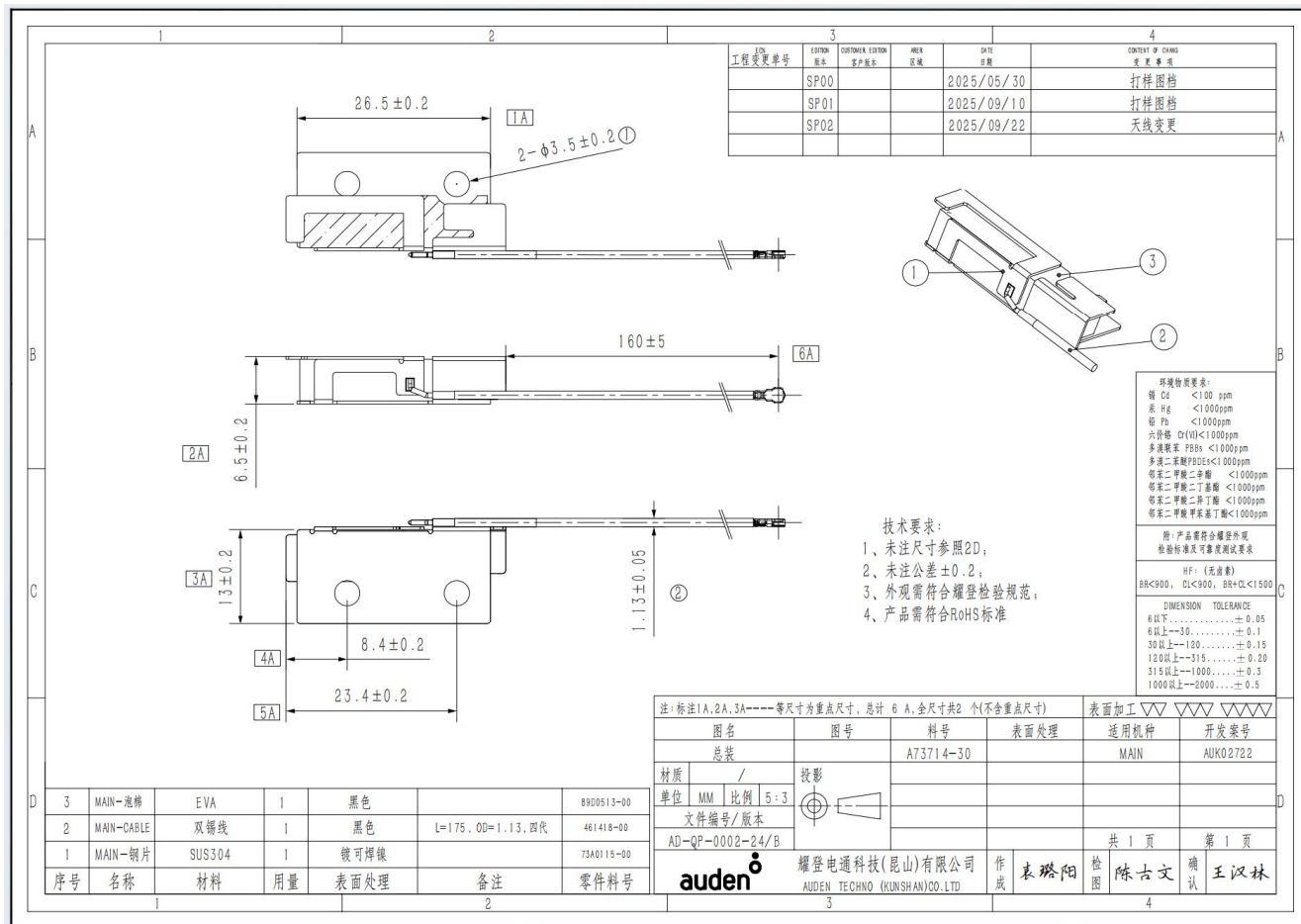
ZY-Plane Phi



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工程图纸 (Product Drawing)



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