



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 : XB19-包布
零件名称 PART NAME : MTA. 0000502
耀登案号 DEVE NO. : AUK02469B-WiFi2
零件名称 PART NAME : A93141-30
承认日期 DATE : Aug. 24, 2023

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电气工程师	结构工程师	项目	审核
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INDEX

- 一、规格书封面 (Cover)
- 二、规格书目录 (Index)
- 三、天线基本参数 (The Basic Parameters)
- 四、电气测试报告 (RF Performance Test Report)
- 五、工程图纸 (Product Drawing)
- 六、尺寸报告 (Dimensional check reports)
- 七、可靠性测试报告(Reliability test report)


修订 Revise

版本 Version	日期 Date	修订描述 Description
1	2023/8/24	小批量阶段， 线材改成灰色， 并启用新案号料号 (A93141-30)

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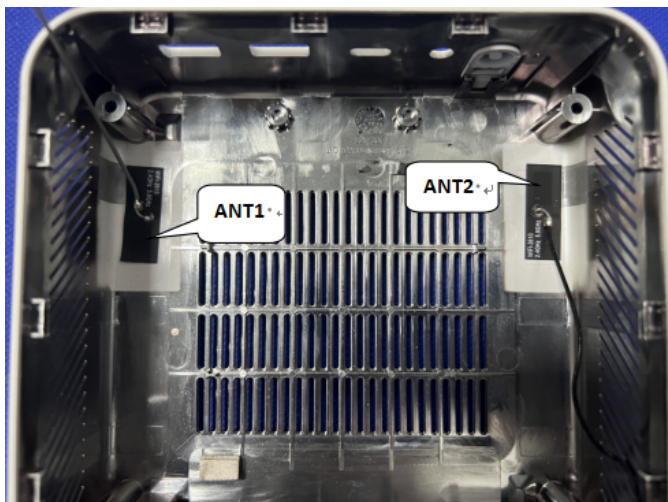
天线基本参数 (The Basic Parameters)

项目 (Item)	特性 (Specifications)
天线结构组成	FPC+CABLE
频率 (Frequency)	2.4GHz~5.85GHz
驻波比 (V. S. W. R)	≤3
增益 (Gain)	2.4G:1.54dBi
极化方式 (Polarization)	Linear polarity
特性阻抗 (Impedance)	50Ω
塑胶材质 (Plastic material)	/
接头形式 (joint type)	4th generation terminal + 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
ANT2 Image	

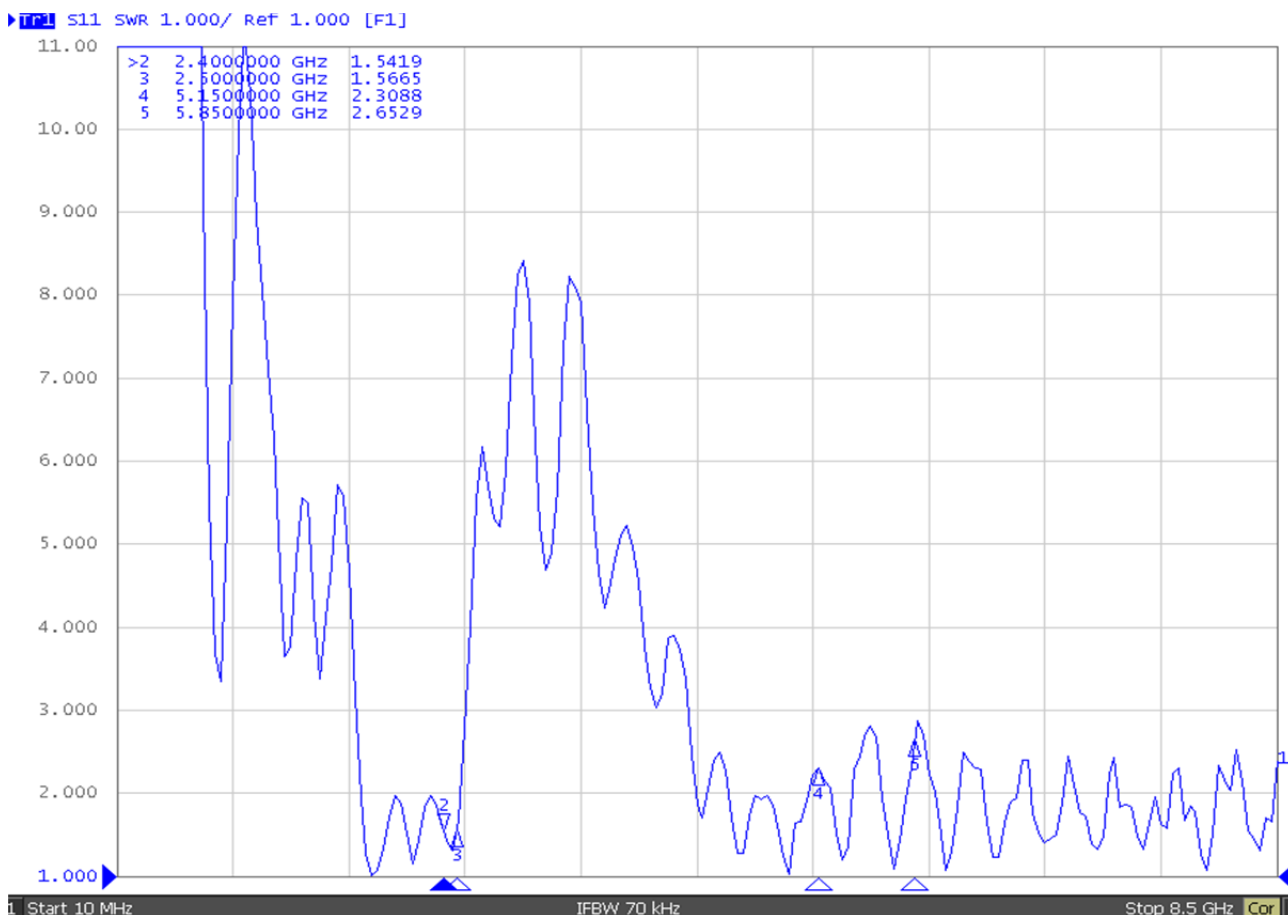
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电气测试报告 (RF Performance Test Report)



V.S.W.R



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无源测试数据
Passive test data

Freq	Effi(%)	Gain(dBi)	Freq	Effi(%)	Gain(dBi)
2.4G	39.1	0.51	5.15G	54.45	5.29
2.41G	38.99	0.64	5.2G	55.08	5
2.42G	39.04	0.74	5.25G	42.46	3.58
2.43G	38.17	0.69	5.3G	44.26	4.19
2.44G	38.39	0.65	5.35G	45.5	4.17
2.45G	39.6	1.02	5.4G	51.11	3.83
2.46G	39.66	1.29	5.45G	45.08	3.33
2.47G	38.44	1.25	5.5G	47.76	3.57
2.48G	38.55	1.5	5.55G	45.73	2.94
2.49G	37.49	1.54	5.6G	41.26	2.45
2.5G	35.65	1.38	5.65G	42.66	2.63
			5.7G	55.6	4.06
			5.75G	51.88	3.73
			5.8G	50.46	3.57
			5.85G	53.09	4.73

有源测试数据
Active test data

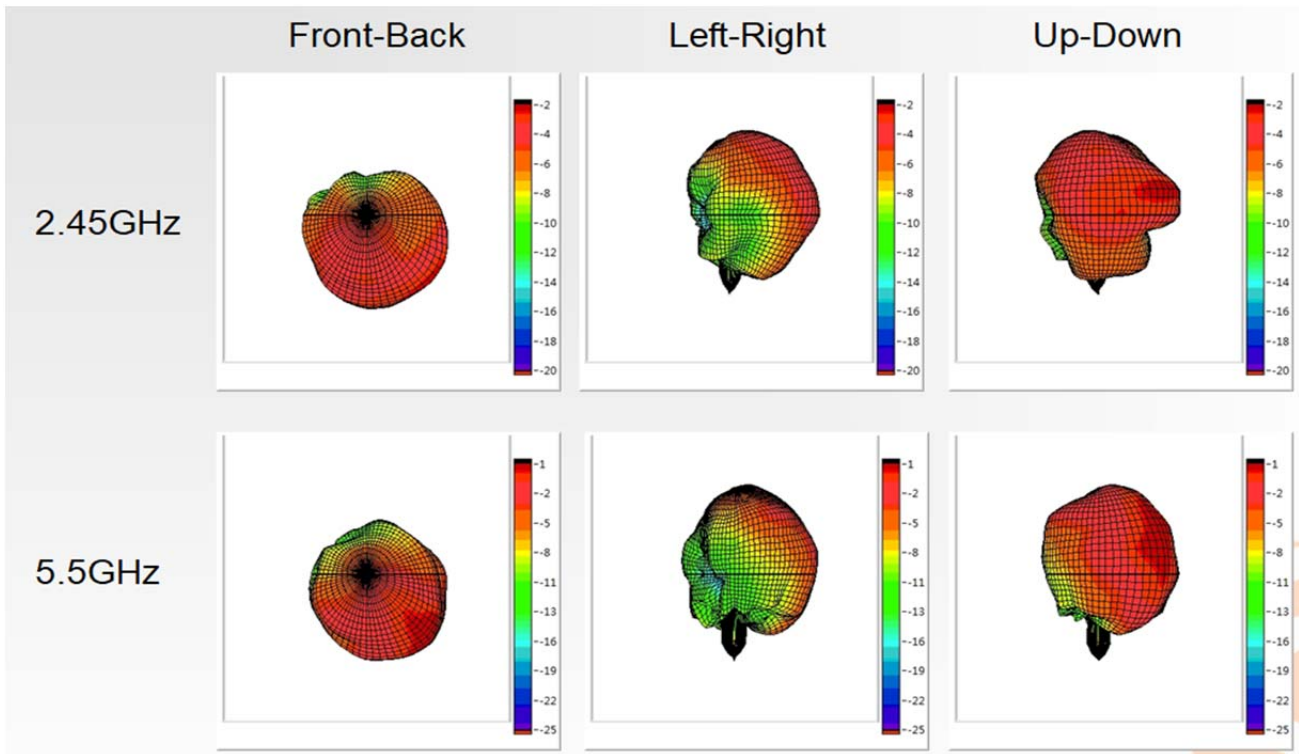
	channel	TRP	TIS
802.11a	36	14.57	-70.69
	100	13.46	-70.13
	165	14.19	-71.09
802.11b	1	12.17	-82.49
	7	12.36	-82.26
	11	11.89	-81.67

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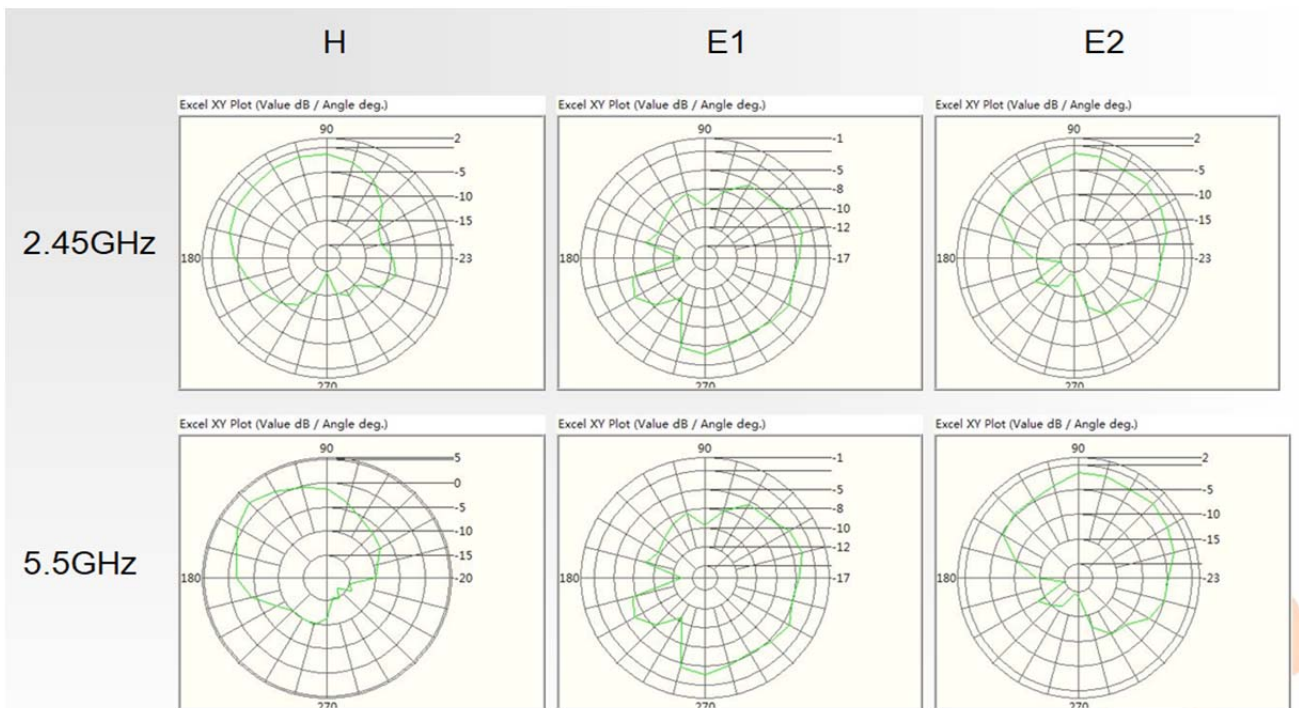
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3D 辐射方向图



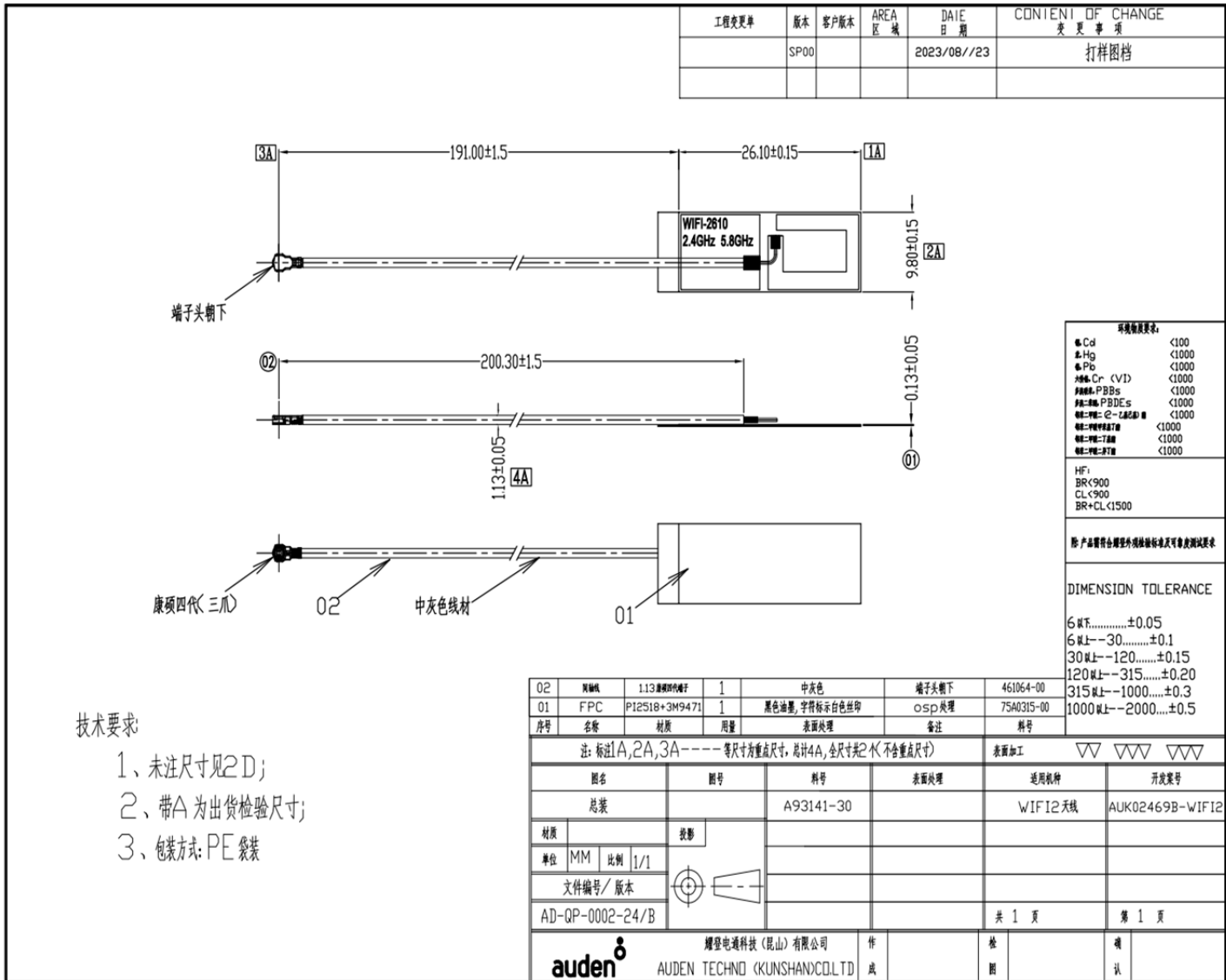
2D 辐射方向图



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工程图纸 (Product Drawing)



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