



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. 0000501
耀登案号 DEVE NO. : AUK02391B-WiFi1
零件名称 PART NAME : A23028-30
承认日期 DATE : Aug. 17, 2023

| | | | |
|----------------|-------|------|------|
| 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 | 审核 |
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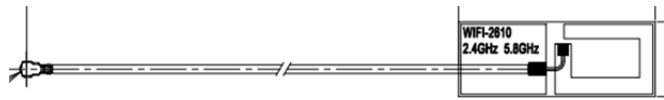
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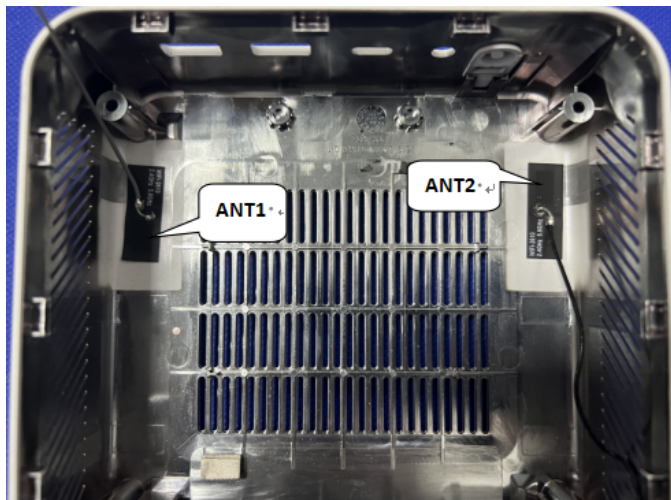
天线基本参数 (The Basic Parameters)

| 项目 (Item) | 特性 (Specifications) |
|------------------------------|--|
| 天线结构组成 | FPC+CABLE |
| 频率 (Frequency) | 2.4GHz~5.85GHz |
| 驻波比 (V. S. W. R) | ≤3 |
| 增益 (Gain) | 2.4G:1.84dBi & 5.2G:3.79dBi & 5.8G:3.5dBi |
| 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 |
| ANT1 Image |  |

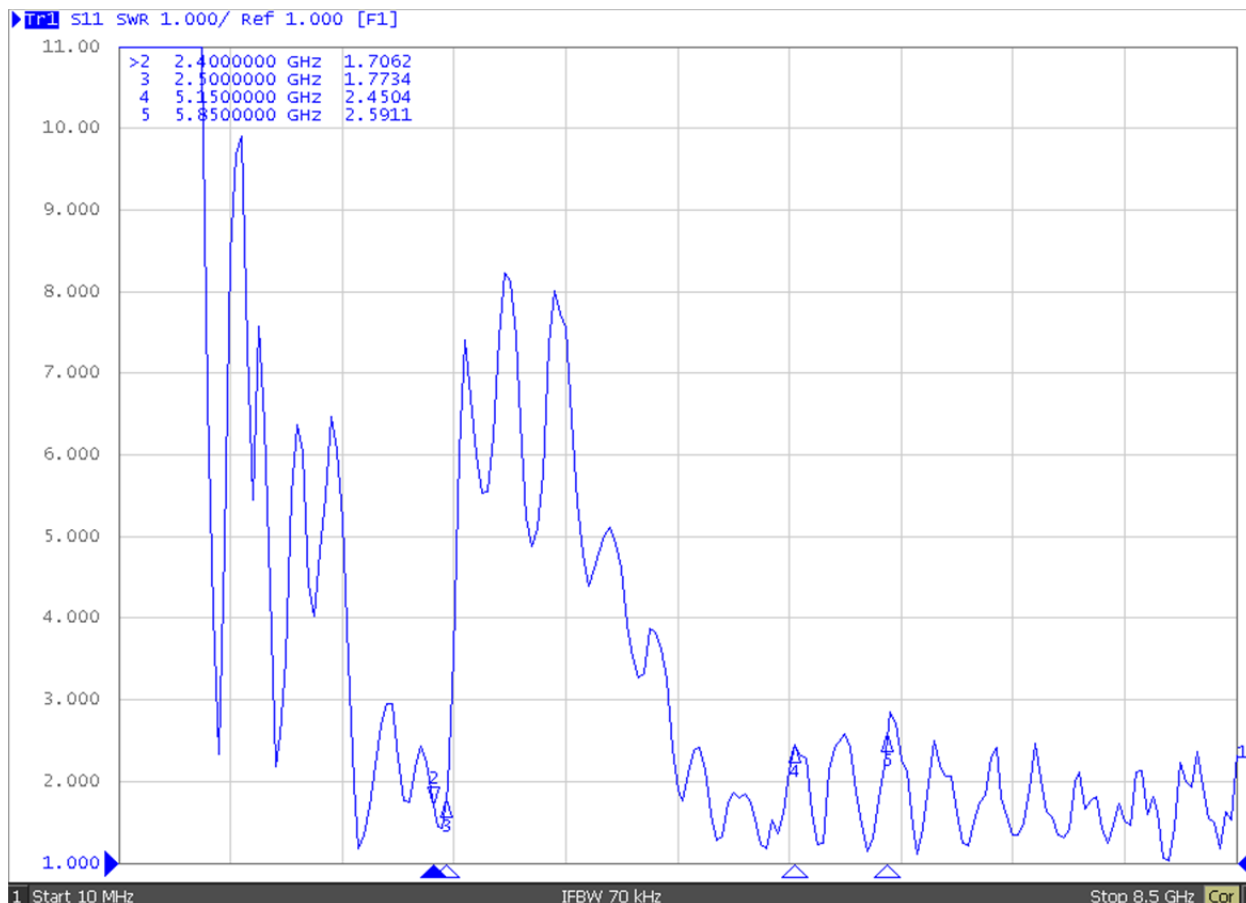
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电气测试报告 (RF Performance Test Report)



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 | 36.58 | 0.72 | 5.15G | 50 | 3.3 |
| 2.41G | 37.44 | 0.99 | 5.2G | 51.4 | 3.79 |
| 2.42G | 37.91 | 1.15 | 5.25G | 40.74 | 2.83 |
| 2.43G | 38.5 | 1.31 | 5.3G | 41.3 | 2.84 |
| 2.44G | 38.33 | 1.33 | 5.35G | 40.55 | 2.91 |
| 2.45G | 40.06 | 1.57 | 5.4G | 45.56 | 2.35 |
| 2.46G | 41.36 | 1.82 | 5.45G | 44.2 | 2.1 |
| 2.47G | 41.67 | 1.74 | 5.5G | 49.45 | 2.92 |
| 2.48G | 43.18 | 1.84 | 5.55G | 45.32 | 2.78 |
| 2.49G | 41.49 | 1.37 | 5.6G | 45.48 | 2.84 |
| 2.5G | 39.83 | 0.81 | 5.65G | 42.73 | 2.25 |
| | | | 5.7G | 49.17 | 3.11 |
| | | | 5.75G | 48.82 | 3.27 |
| | | | 5.8G | 44.36 | 2.77 |
| | | | 5.85G | 52.46 | 3.5 |

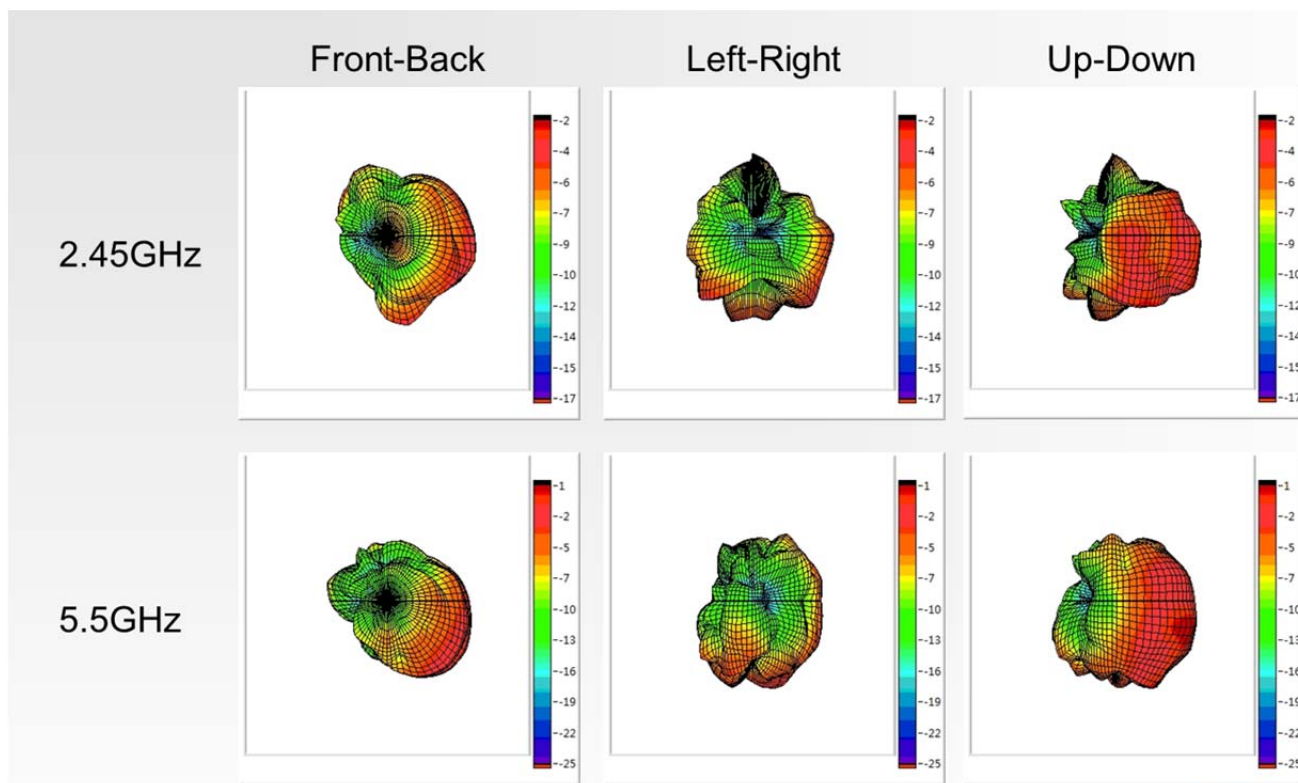
有源测试数据
Active test data

| | 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 |

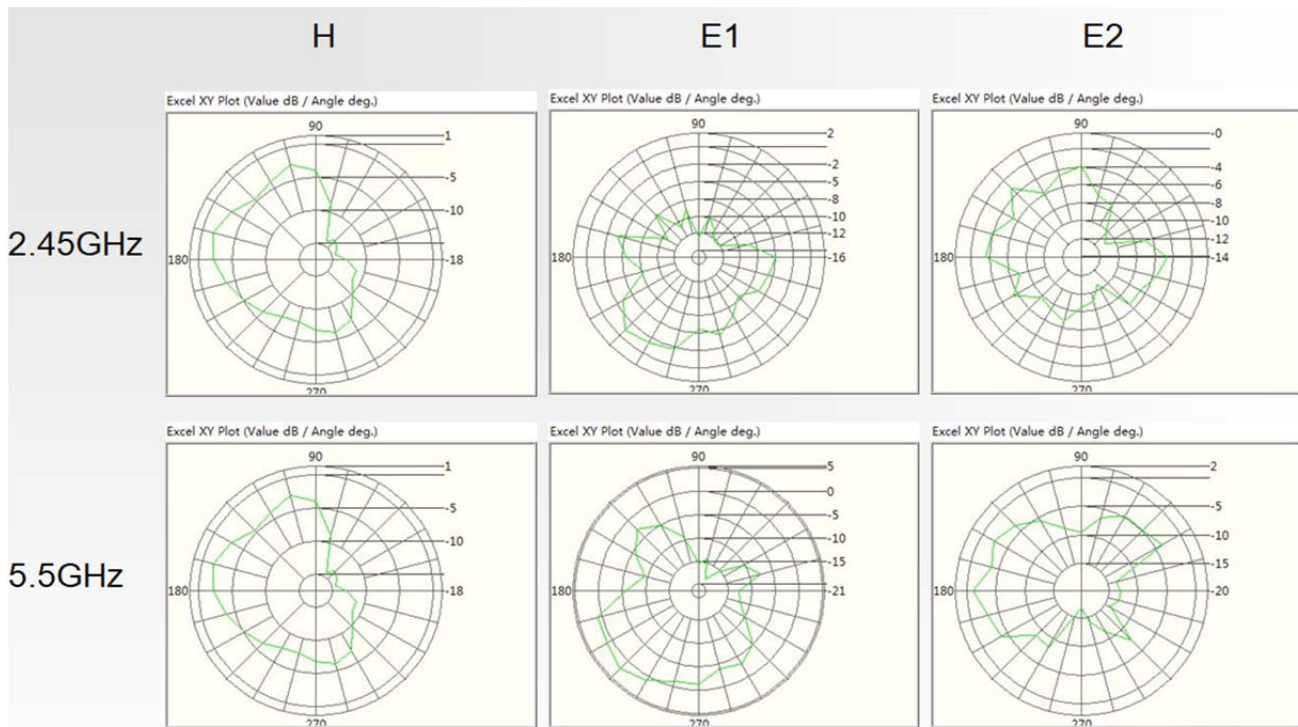
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3D 辐射方向图



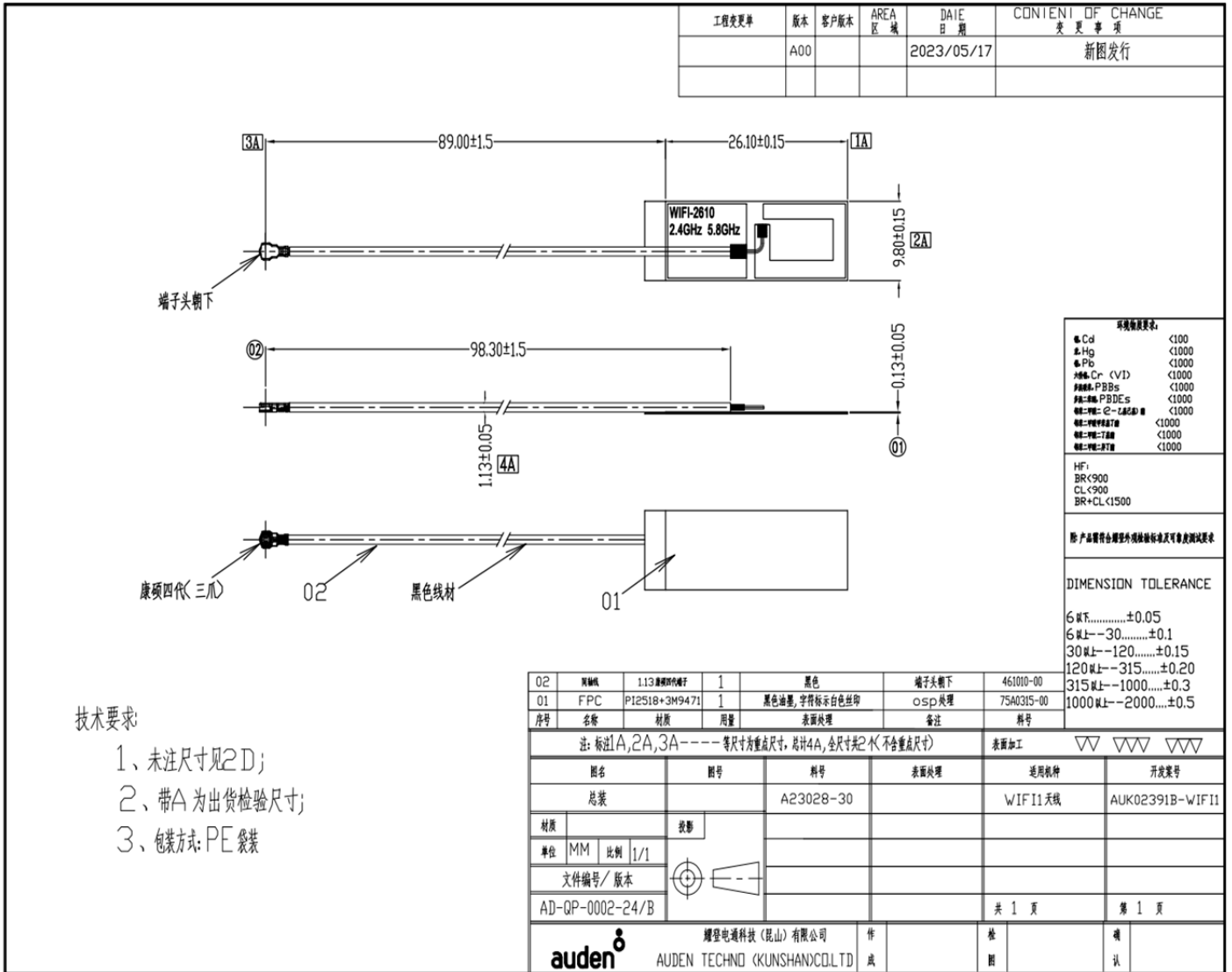
2D 辐射方向图



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工程图纸 (Product Drawing)



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