



深圳市飞易讯通讯器材有限公司

SHENZHEN FED COMMUNICATIONS EQUIPMENT.CO.,LTD

TEL: +86 755-28608731 FAX: +86 755-85239010 MOBILE: 18665332940

承认书

APPROVAL

Version: A0

品名规格

IPEX-2.4G PCB Ant-L100mm

DESCRIPTION:

料号

PART NO.:

F020-001023

客户料号

CUS PART NO.:

日期

D A T E:

2024-1-15

| 工 程 ENGINEERING DEPARTMENT | 品 保 Q C DEPARTMENT | 业 务 SALES DEPARTMENT |
|--|------------------------------|--------------------------------|
| Dandan Zhu | Jiawen Zhuang | Xiuqiong Wang |
| 工 程 ENGINEERING DEPARTMENT | 品 保 Q C DEPARTMENT | 采 购 PURCHASING DEPARTMENT |
| | | |

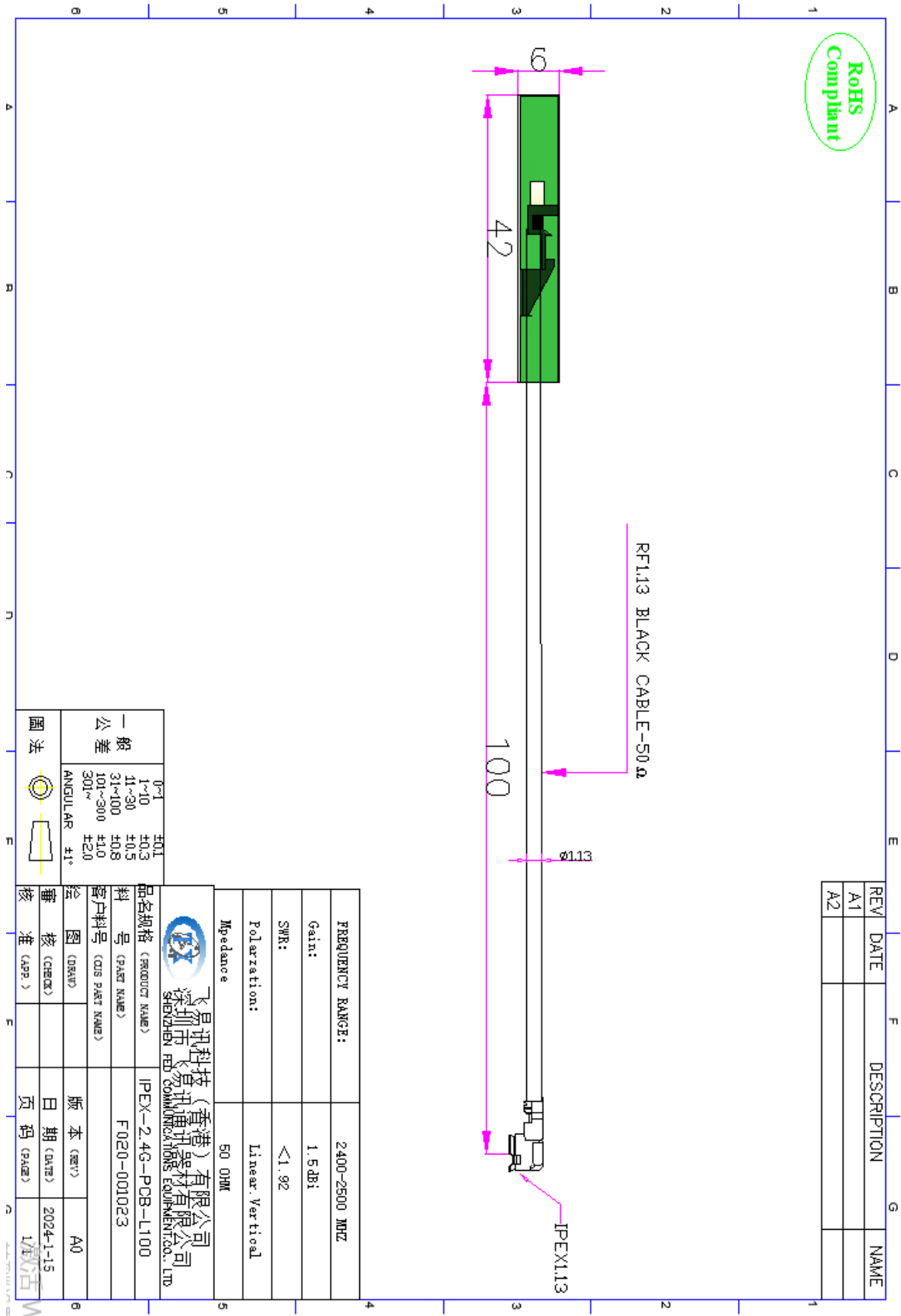


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Picture:





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Technical parameters

| 电性能指标 | | Electrical Specifications | |
|-------|---------------------|----------------------------|---------------------|
| 频率范围 | 2400-2500MHZ | Frequency Range | 2400-2500MHZ |
| 电压驻波比 | ≤2.0 | VSWR | ≤2.0 |
| 增益 | ≤1.5 | Gain | ≤1.5 |
| 输入阻抗 | 50 Ω | Input Impedance | 50 Ω |
| 机械指标 | | Mechanical Specifications | |
| 天线颜色 | 黑色 | Antenna Color | BLACK |
| 接口形式 | IPEX | Input connector | IPEX |
| 天线长度 | 100mm | Cable length | 100mm |
| 工作温度 | -20°C~+65°C | Working Temperature | -20°C~+65°C |
| 工作湿度 | 20~80% | Working Humidity | 20~80% |

环境性能测试 Environmental performance testing:

| 项目Item | 测试条件 Test Condition | 规格specification |
|--|---|--|
| 储存环境 Storage Environment | 在没有指定的情况下测试温度、湿度、气压如下： Test the temperature, humidity, and air pressure without specifying them as follows: 1. -30°C~+80°C 2. 45%-85% 3. 86kpa-106kpa | 电气机械性能正常 Normal electrical and mechanical performance |
| 高低温试验 High and Low Temperature Test | 在70°C与40°C之间进行5次循环，然后在正常条件下1-2H，检查外观质量。 Perform 5 cycles between 70 °C and 40 °C, and then under normal conditions 1-2H, inspect the appearance quality. | 尺寸应满足规定并应满足满足于机械、电气性能 The size should meet the specifications and meet the mechanical and electrical performance requirements |



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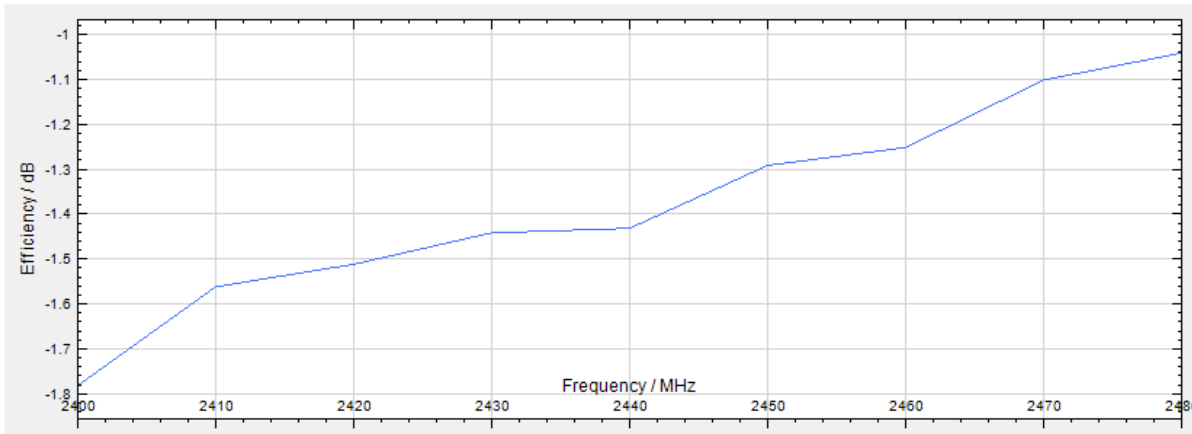
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| | | |
|--|--|--|
| <p>耐恒定湿热试验 Steady Damp-heat Test</p> | <p>相对湿度95±3%，试验温度：40℃.持续2H作用后， 试品取出后5min之内测定电气性能，试品在正常条件下1-2H，检查外观质量 Relative humidity of 95 ± 3%, test temperature: 40 °C. After continuous action for 2 hours, Measure the electrical performance of the sample within 5 minutes after removal, and inspect the appearance quality of the sample under normal conditions for 1-2 hours</p> | <p>尺寸应满足规定并应满足满足于机械、电气性能 The size should meet the specifications and meet the mechanical and electrical performance requirements</p> |
| <p>振动试验 Vibration</p> | <p>振频范围10-55HZ，位移幅值：0.35MM，加速度幅值：50.0M/S，扫频循环次数：30次 Vibration frequency range 10-55Hz, displacement amplitude: 0.35MM, acceleration amplitude: 50.0M/s, frequency sweep cycles: 30 times</p> | <p>电气机械性能正常 Normal electrical and mechanical performance</p> |
| <p>跌落试验 Drop Test</p> | <p>1M高空按照互相垂直的轴方向自由跌落3次 Free fall from a height of 1M in three perpendicular axis directions</p> | <p>电气机械性能正常 Normal electrical and mechanical performance</p> |

Test data:

| Frequency | Efficiency / dB | Efficiency / % | MaxGain/dBi | AvgGain/dBi |
|-----------|-----------------|----------------|-------------|-------------|
| 2400 | -1.78 | 66.37 | 0.88 | -1.78 |
| 2410 | -1.56 | 69.82 | 1.09 | -1.56 |
| 2420 | -1.51 | 70.63 | 1.13 | -1.51 |
| 2430 | -1.44 | 71.78 | 1.17 | -1.44 |
| 2440 | -1.43 | 71.94 | 1.14 | -1.43 |
| 2450 | -1.29 | 74.3 | 1.22 | -1.29 |
| 2460 | -1.25 | 74.99 | 1.23 | -1.25 |
| 2470 | -1.1 | 77.62 | 1.50 | -1.1 |
| 2480 | -1.04 | 78.7 | 1.32 | -1.04 |

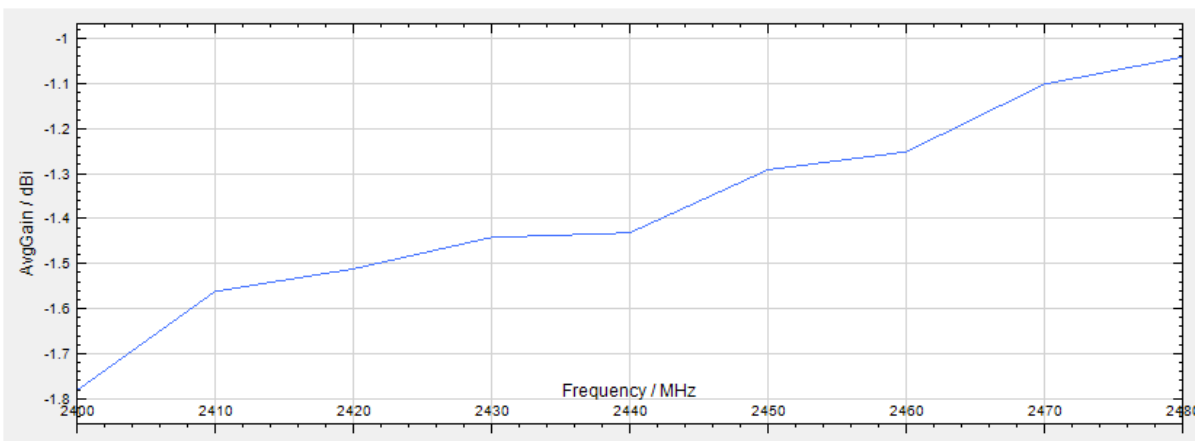
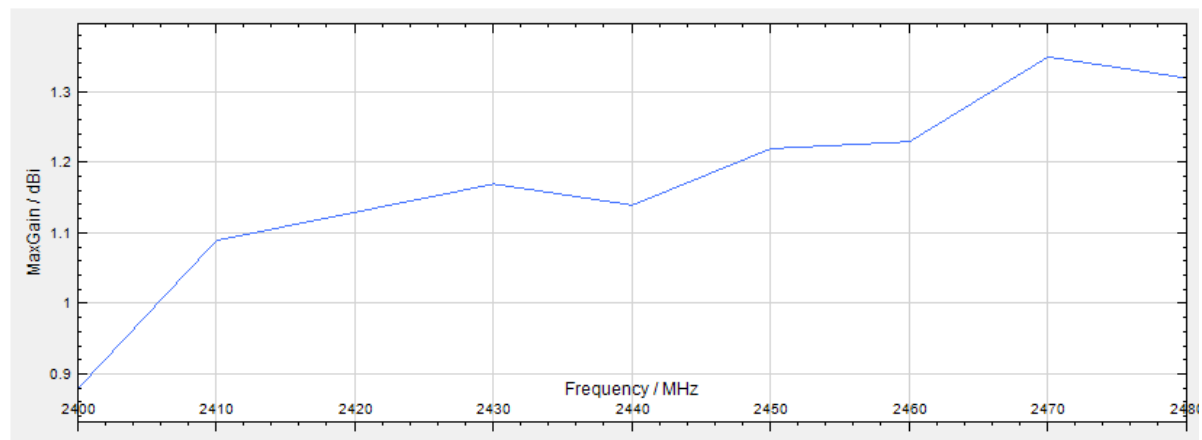
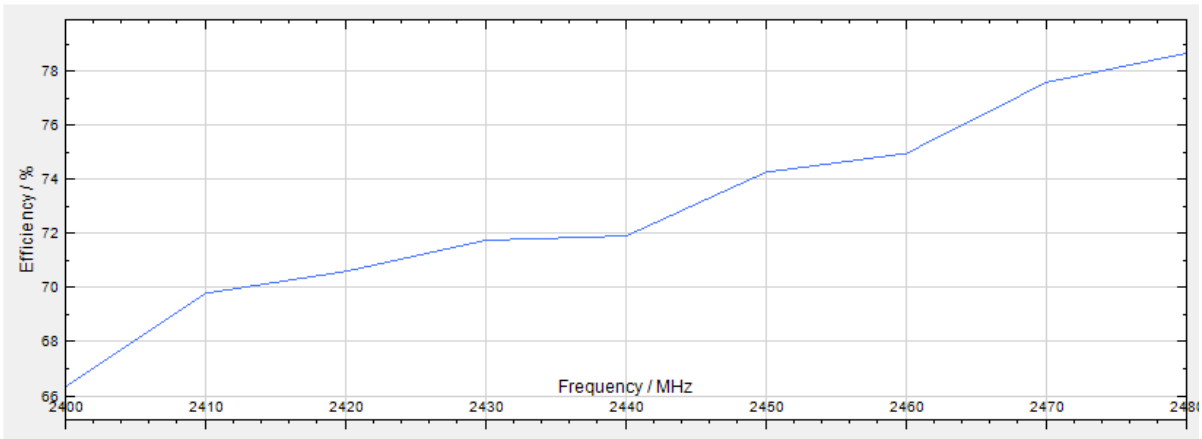




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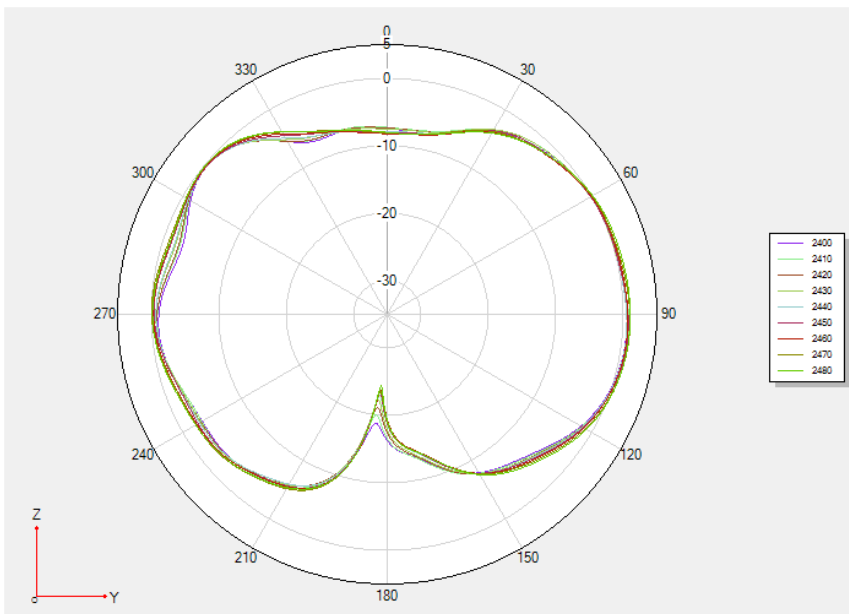
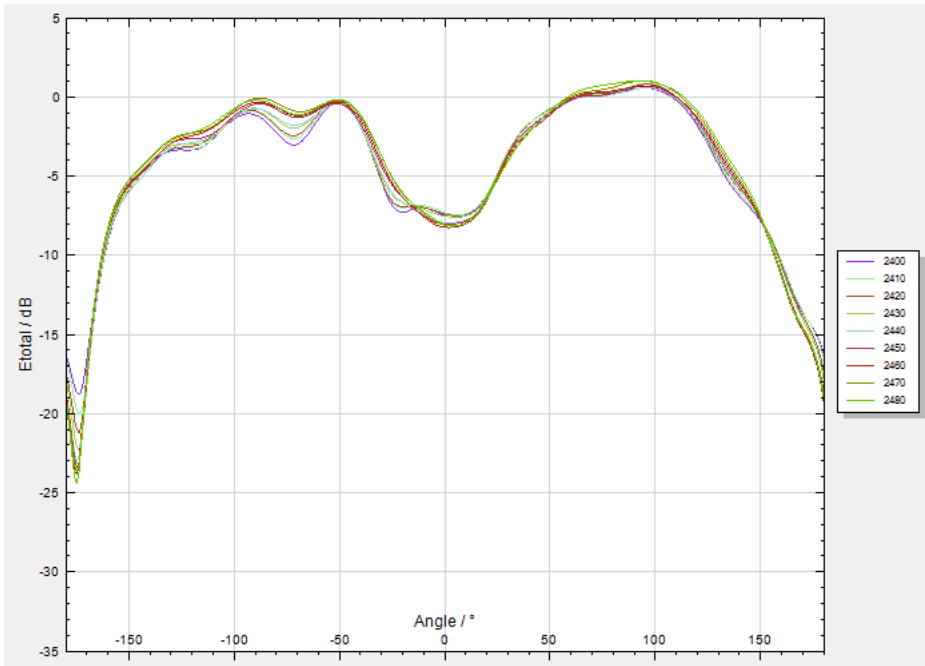




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