



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
DESCRIPTION:

IPEX-2.4G PCB Ant-L100mm

料号
PART NO.:

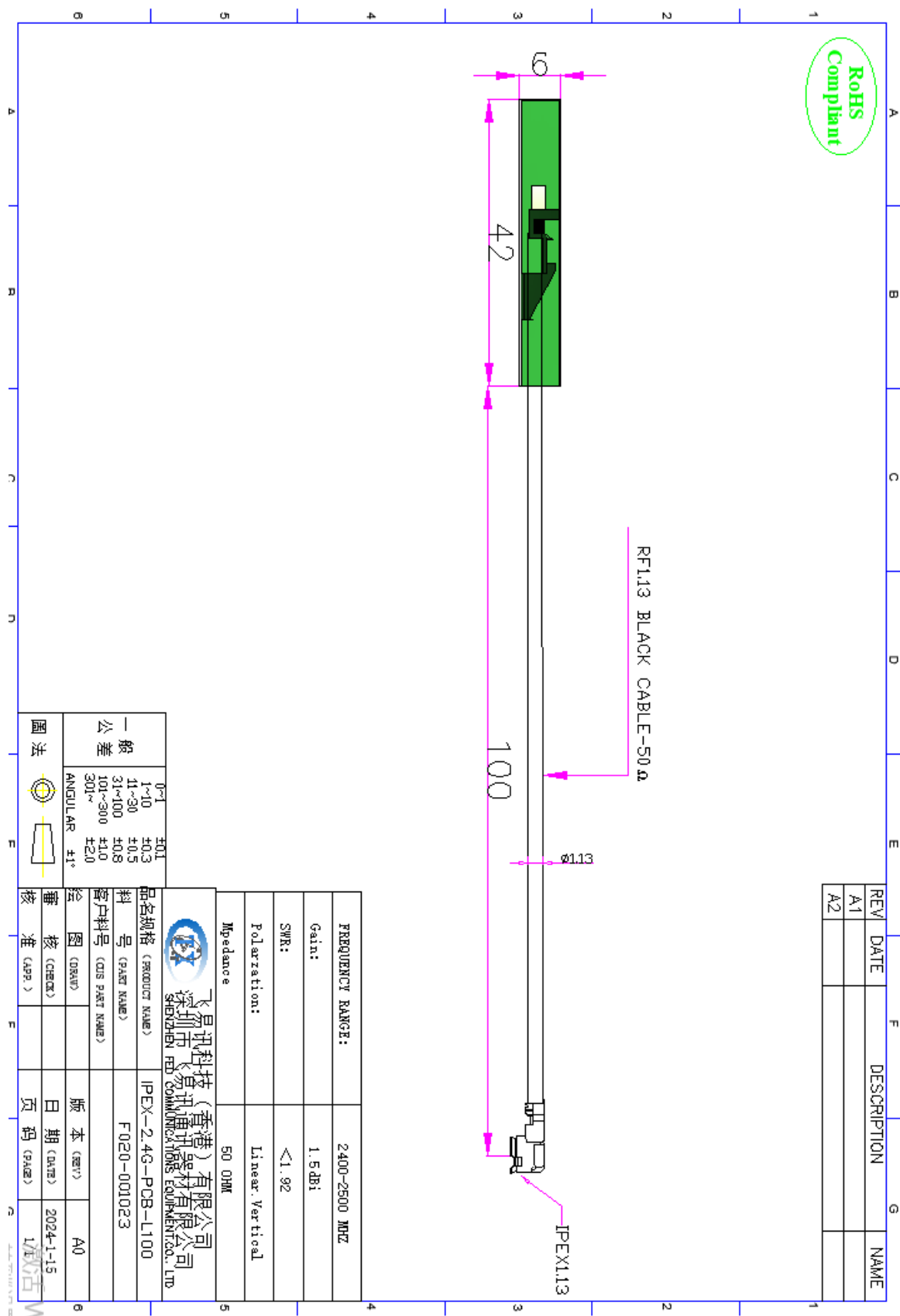
F020-001023

客户料号
CUS PART NO.:

日期
DATE:

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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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℃~+65℃	Working Temperature	-20℃~+65℃
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℃~+80℃ 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℃与40℃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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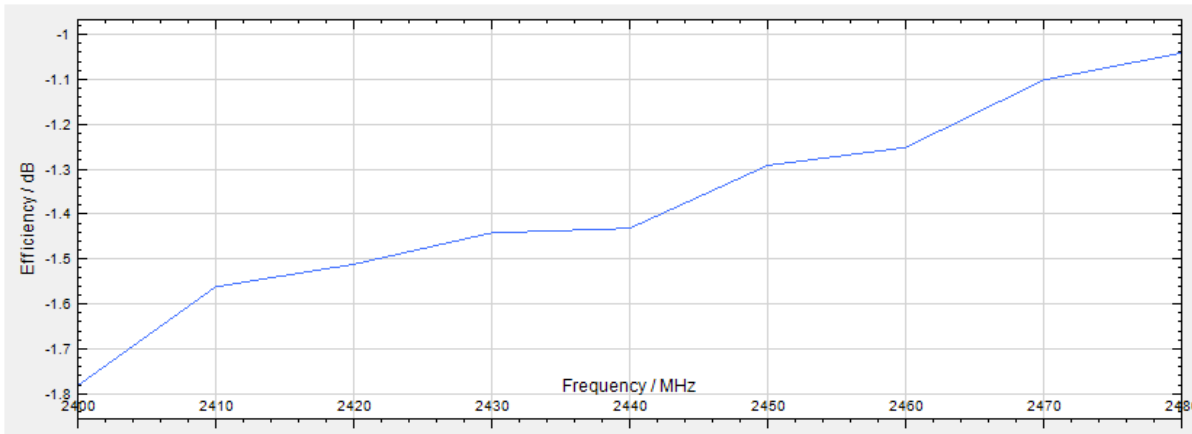
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耐恒定湿热试验 Steady Damp-heat Test	相对湿度 $95 \pm 3\%$, 试验温度: 40°C . 持续2H作用后, 试品取出后5min之内测定电气性能, 试品在正常条件下1-2H, 检查外观质量 Relative humidity of $95 \pm 3\%$, test temperature: 40°C . After continuous action for 2 hours, Measure the electrical performance of the sample within 5 minutes after removal, and inspect the appearance quality of the sample under normal conditions for 1-2 hours	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
振动试验 Vibration	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	电气机械性能正常 Normal electrical and mechanical performance
跌落试验 Drop Test	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	电气机械性能正常 Normal electrical and mechanical performance

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

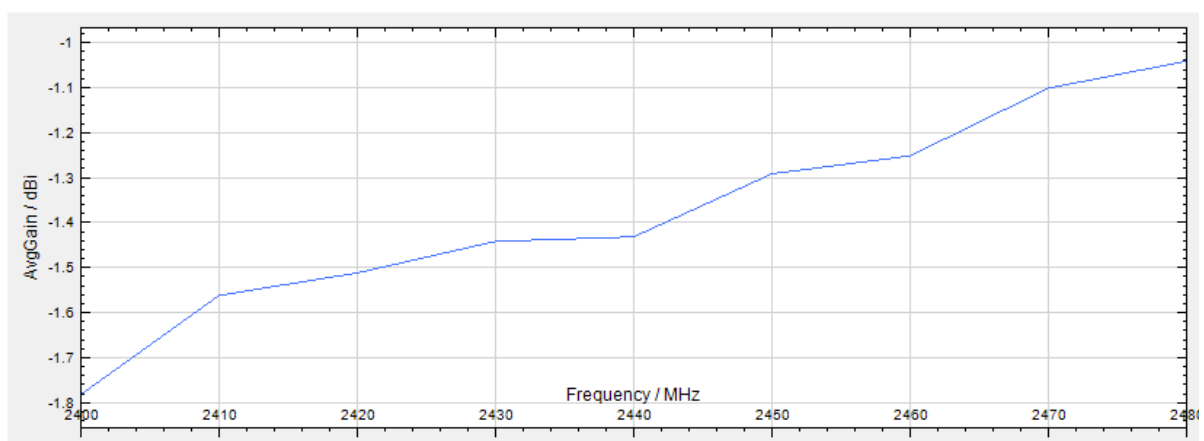
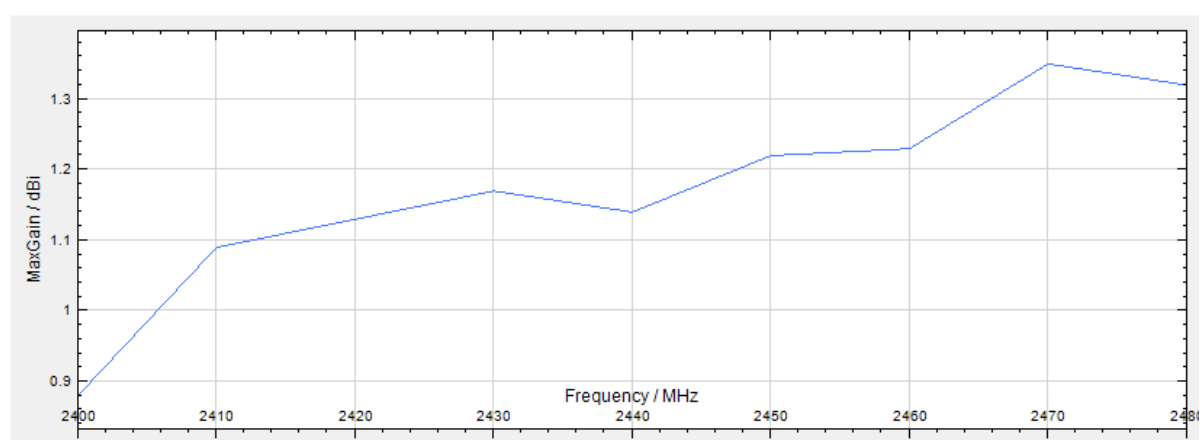
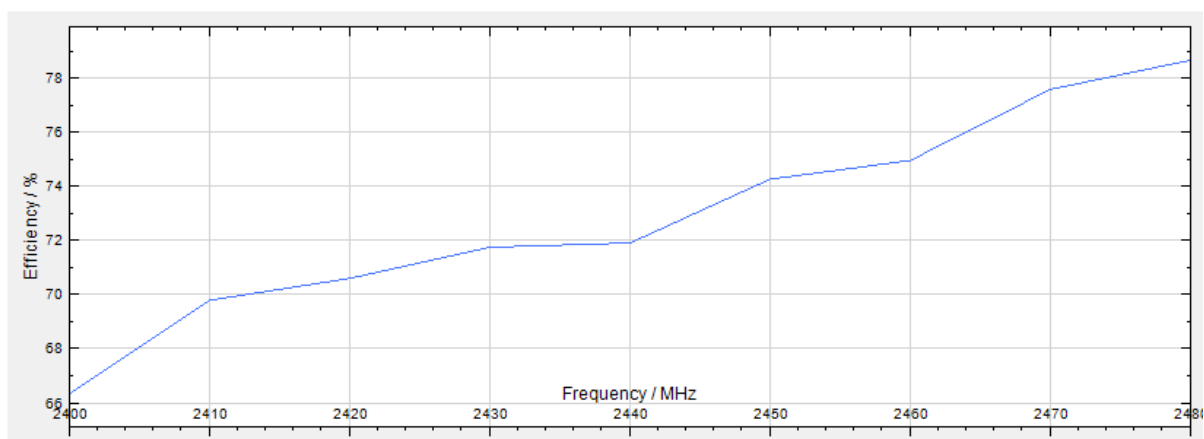




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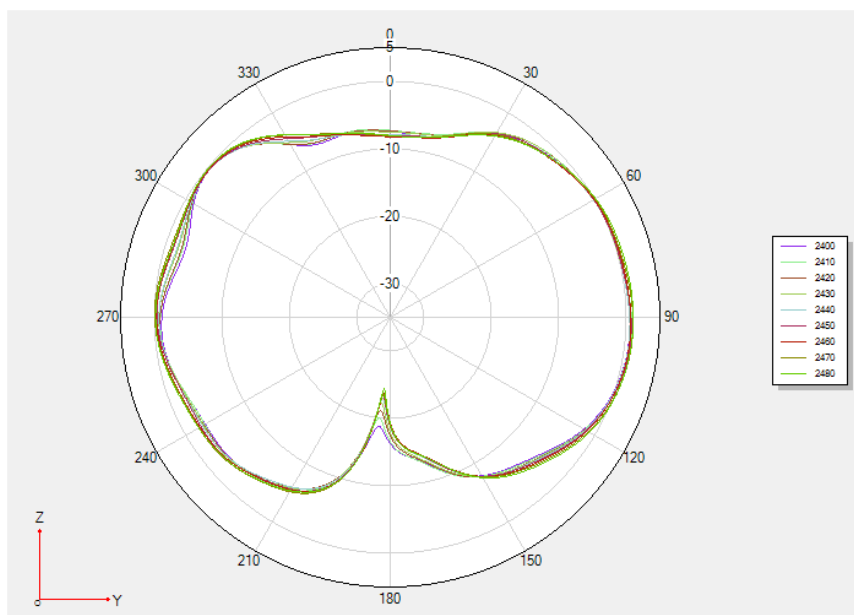
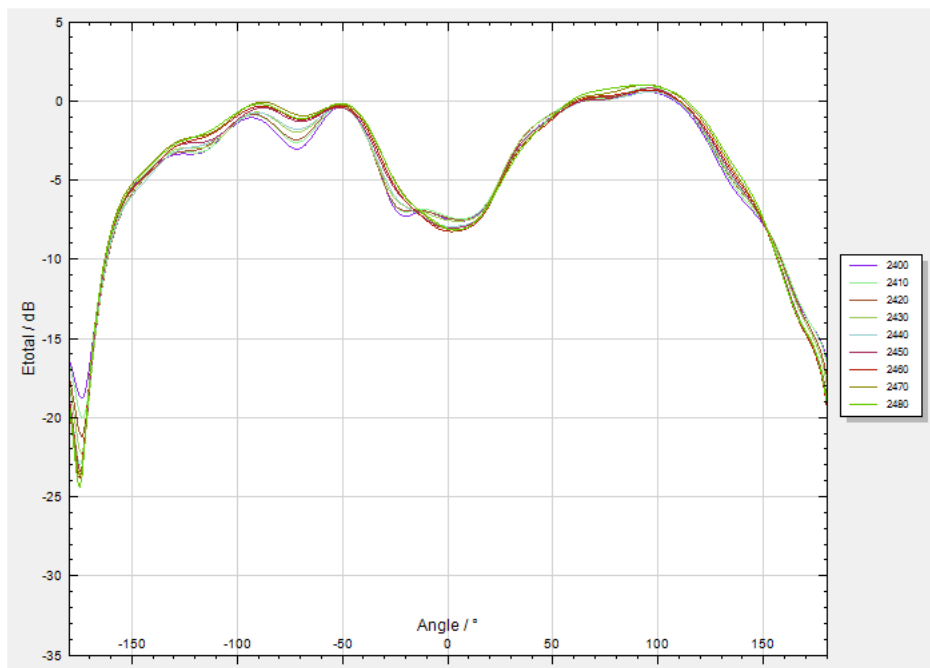




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