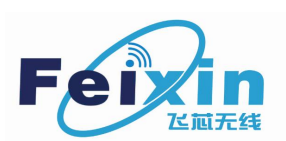


SPECIFICATION

Shenzhen Feixin Wireless Communication



深圳飞芯无线通讯有限公司

Shenzhen Feixin Wireless Communication Co., Ltd.

2.4G 铜管天线

(1.13 黑 L500mm 1 代端子)

产 品 规 格 书

客 户		频 段	2400-2500MHz
产品名称	2.4G 铜管天线	版 本	A1
客户料号		飞芯料号	FX-2.4G-TG-1.13B-500-1
物料描述	2.4G 铜管天线，出线 1.13 黑 L500MM，一代端子		
R F 设计	陈亮	射频经理	金勇
结构设计	谢凯军	结构经理	陈小华
技术总监	肖栋	日 期	2023-11-24

客户确认：

装配是否符合贵司要求： ☐OK ☐NG

Confidentiality requirements

Our company already possesses the proprietary technology provided, and these proprietary information should be strictly kept confidential. Without the prior written consent of Shenzhen Feixin Wireless Communication Co., Ltd., it is not allowed to be disclosed to anyone or the company.

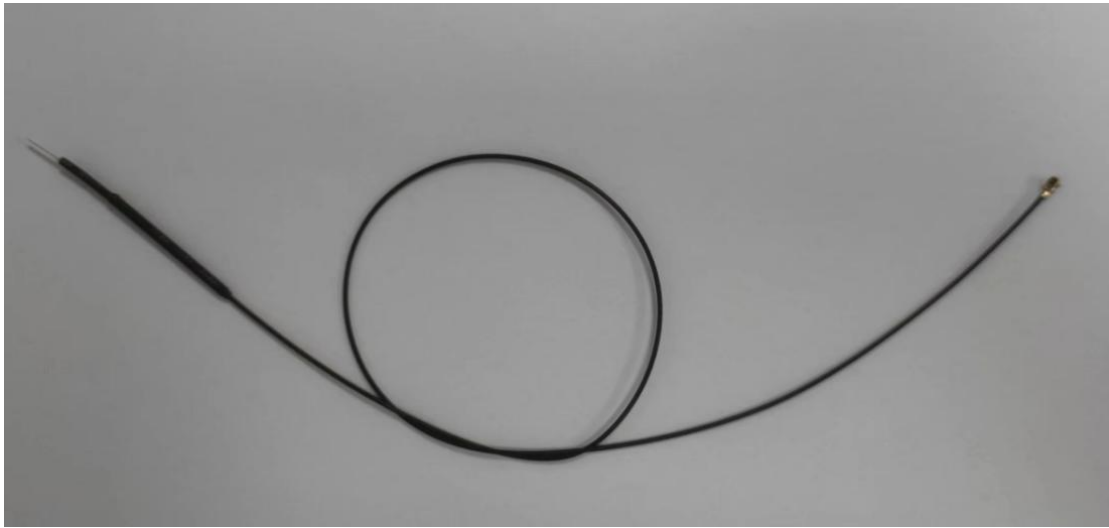
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1、Product pictures



2、Product parameters

Product testing parameters			
产品名称(Name)	2.4G antenna	产品型号(Model Type)	FX-2.4G-TG-1.13B-50 0-1
电 性 能 指 标 (Electrical Specifications)			
频率范围 (Frequency Range)	2400-2500MHZ	极化方式 (Polarization)	vertical
输入阻抗(Impedance)	50 Ω	辐射方向	Omnidirectional
驻波比 (VSWR)	≤ 3.0	功率容量(Power)	50W
增益(Gain)	2.41dBi	带宽 (Bandwidth)	100MHz
机 械 指 标 (Mechanical Specifications)			
尺寸 (Dimensions)	500 $\pm$ 30 mm	外壳颜色(Radome Color)	black
连接器型号 (Connector)	IPEX 1 代	引线长度(Cable Length)	500 $\pm$ 30mm
外壳材料 Radome Material	Heat shrinkable sleeve		
工作温度 (Working Temperature)	-40 $^{\circ}$ C--+85 $^{\circ}$ C	存放温度 (Limit Temperature)	-40 $^{\circ}$ C--+85 $^{\circ}$ C

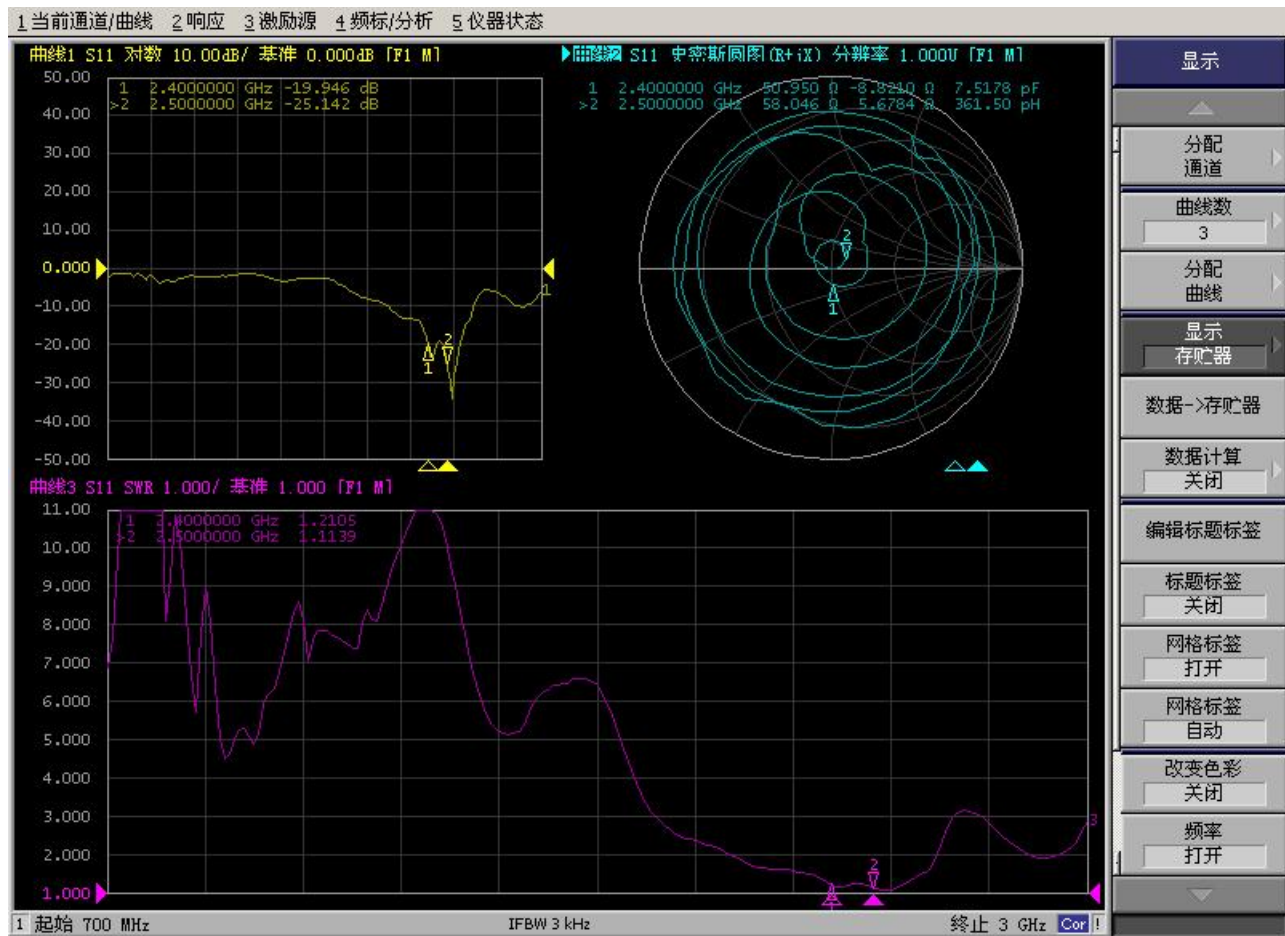
Shenzhen Company: Room 305, Building A, Changjing Robot Industry Park, Guanhu Street, Longhua District, Shenzhen

<http://www.flxant.com> <http://www.fly-core.com>

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3. VSWR, Return loss and Smith data



Confidentiality requirements

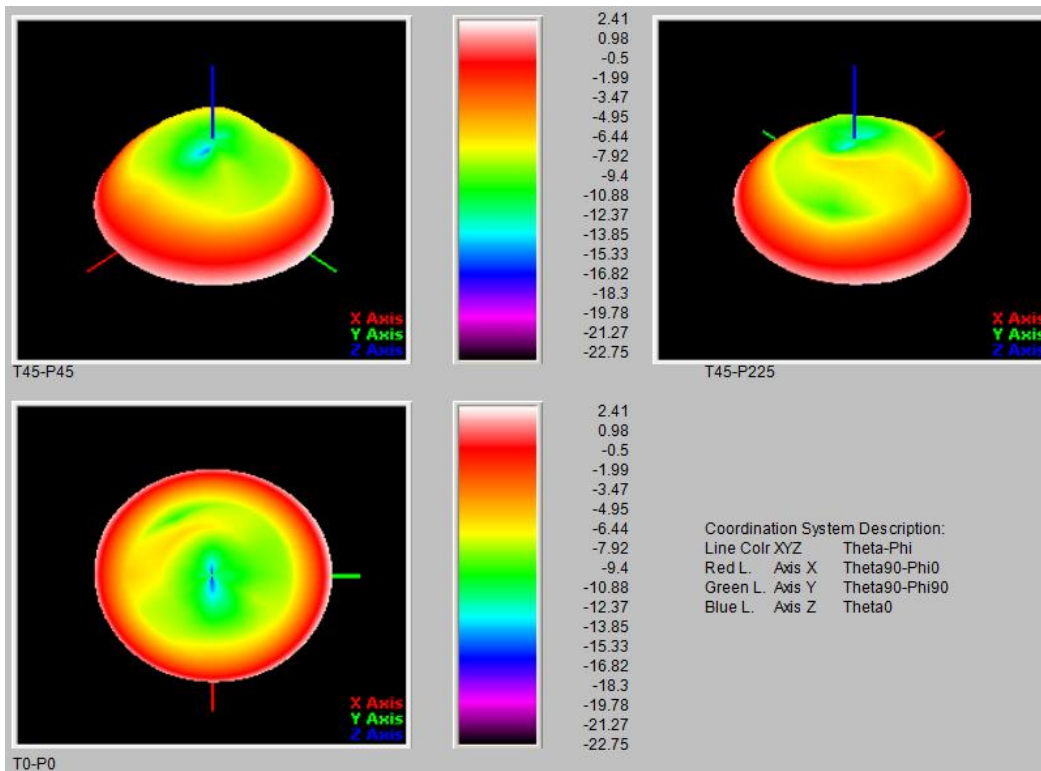
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4、Antenna test data (gain, efficiency, apple chart)

(1) gain, efficiency

Test Point ID	Freq. (MHz)	TRP (dBm)	Gain (dBi)	Efficiency (%)
1	2400.0	2400.00	2.07	63.5%
2	2410.0	2410.00	2.41	69.1%
3	2420.0	2420.00	2.32	67.0%
4	2430.0	2430.00	2.19	64.5%
5	2440.0	2440.00	2.11	64.8%
6	2450.0	2450.00	2.34	63.8%
7	2460.0	2460.00	2.41	62.3%
8	2470.0	2470.00	2.05	63.2%
9	2480.0	2480.00	2.03	64.0%
10	2490.0	2490.00	1.96	62.6%
11	2500.0	2500.00	2.30	67.2%

(2) Passive -Freq2460.00MHZ



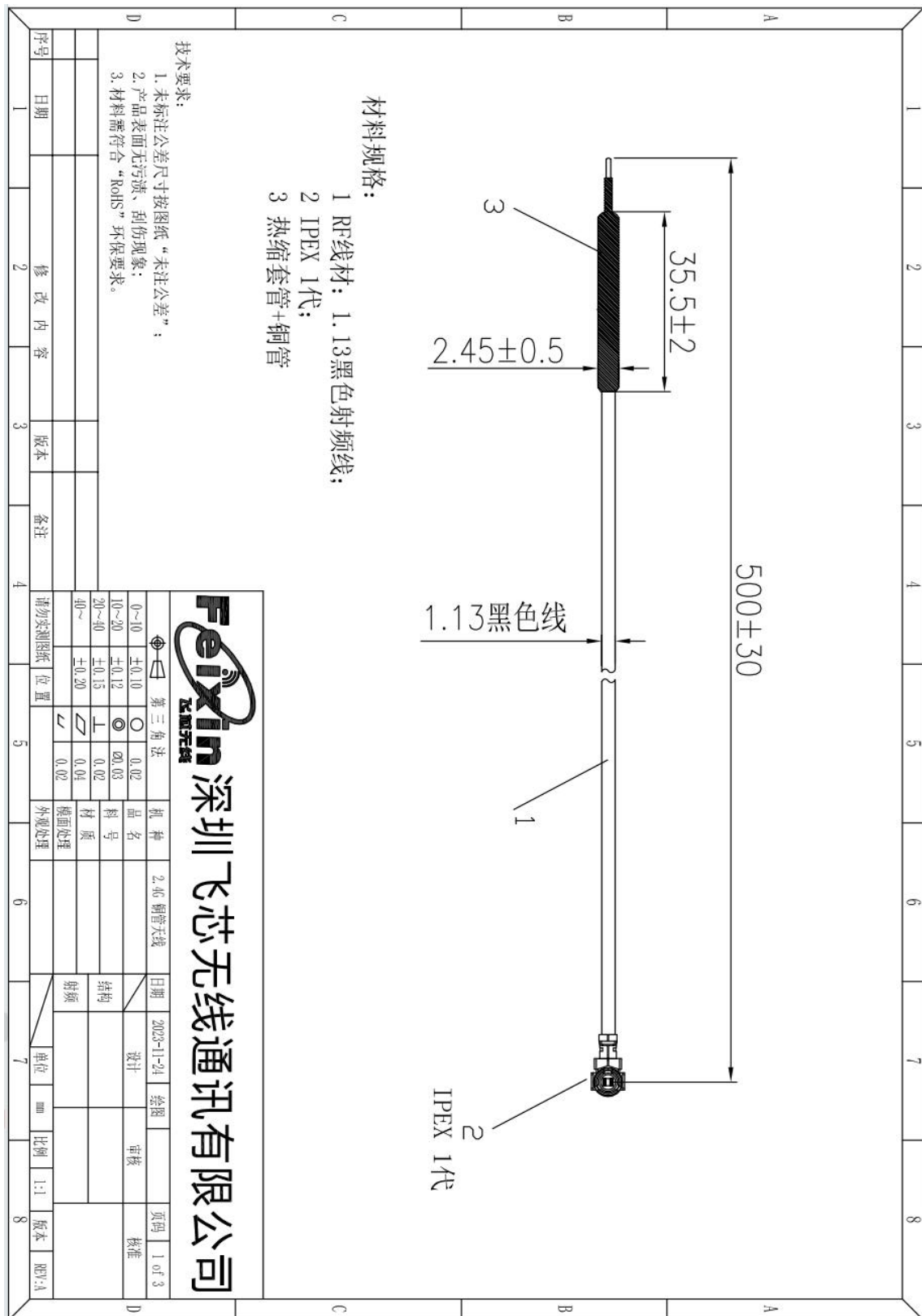
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5、Product structure drawing



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