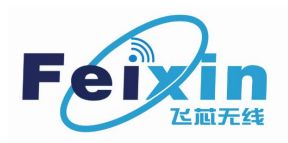


SPECIFICATION

Shenzhen Feixin Wireless Communication



深圳飞芯无线通讯有限公司

Shenzhen Feixin Wireless Communication Co., Ltd.

2.4G Antenna

Product specification

Customer		Frequency	2400MHz——2500MHz
R F design	XIAO BIN	Version	A1
Technical director	ANDY	date	2026-05-06

Customer confirmation:

Whether the assembly meets your company's requirements: ☐OK ☐NG

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1、Product pictures

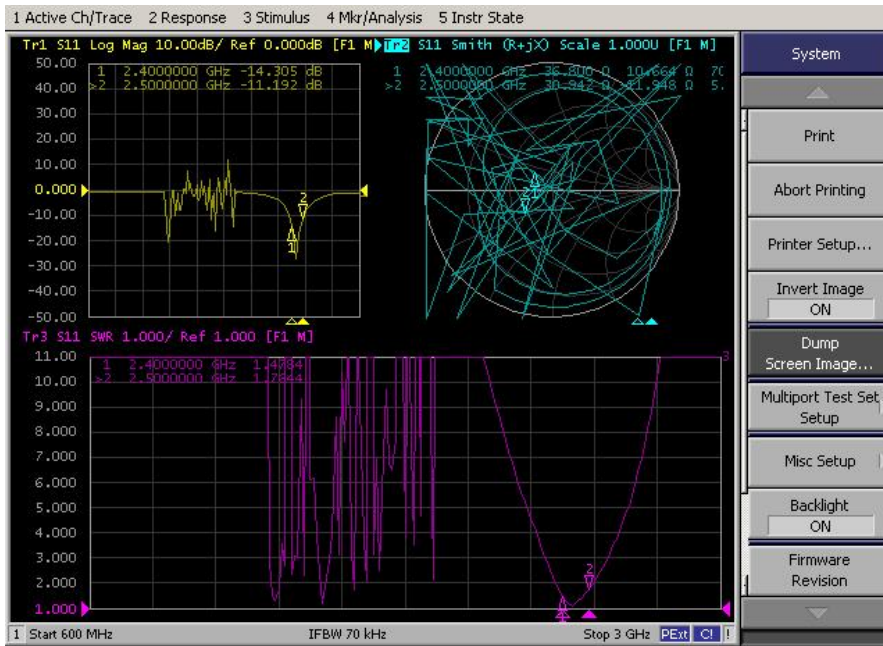


2、Product parameters

产品测试参数			
产品名称(Name)	2.4G FPC antenna	产品型号(Model Type)	FX-2.4-2DB-1.13B-220-1
电 性 能 指 标 (Electrical Specifications)			
频率范围 (Frequency Range)	2400-2500MHz	极化方式 (Polarization)	垂直(vertical)
输入阻抗(Impedance)	50 Ω	辐 射 方 向 (Radiation direction)	全向(Omnidirectional)
驻波比 (VSWR)	≤ 3.0	功率容量(Power)	\
增益(Gain)	2.73dBi	带宽 (Bandwidth)	100
机 械 指 标 (Mechanical Specifications)			
尺寸 (Dimensions)	105 $\pm$ 1mm	天线颜色(Ant Color)	white
连接器型号 (Connector)	IPEX 1D	引线长度(Cable Length)	220 $\pm$ 3 mm
天线材料 (Ant Material)	FPC		
工作温度 (Working Temperature)	-40 $^{\circ}$ C--+85 $^{\circ}$ C	存放温度 (Limit Temperature)	-40 $^{\circ}$ C--+85 $^{\circ}$ C

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3. VSWR, Return loss and Smith data



(1) Antenna efficiency and gain:

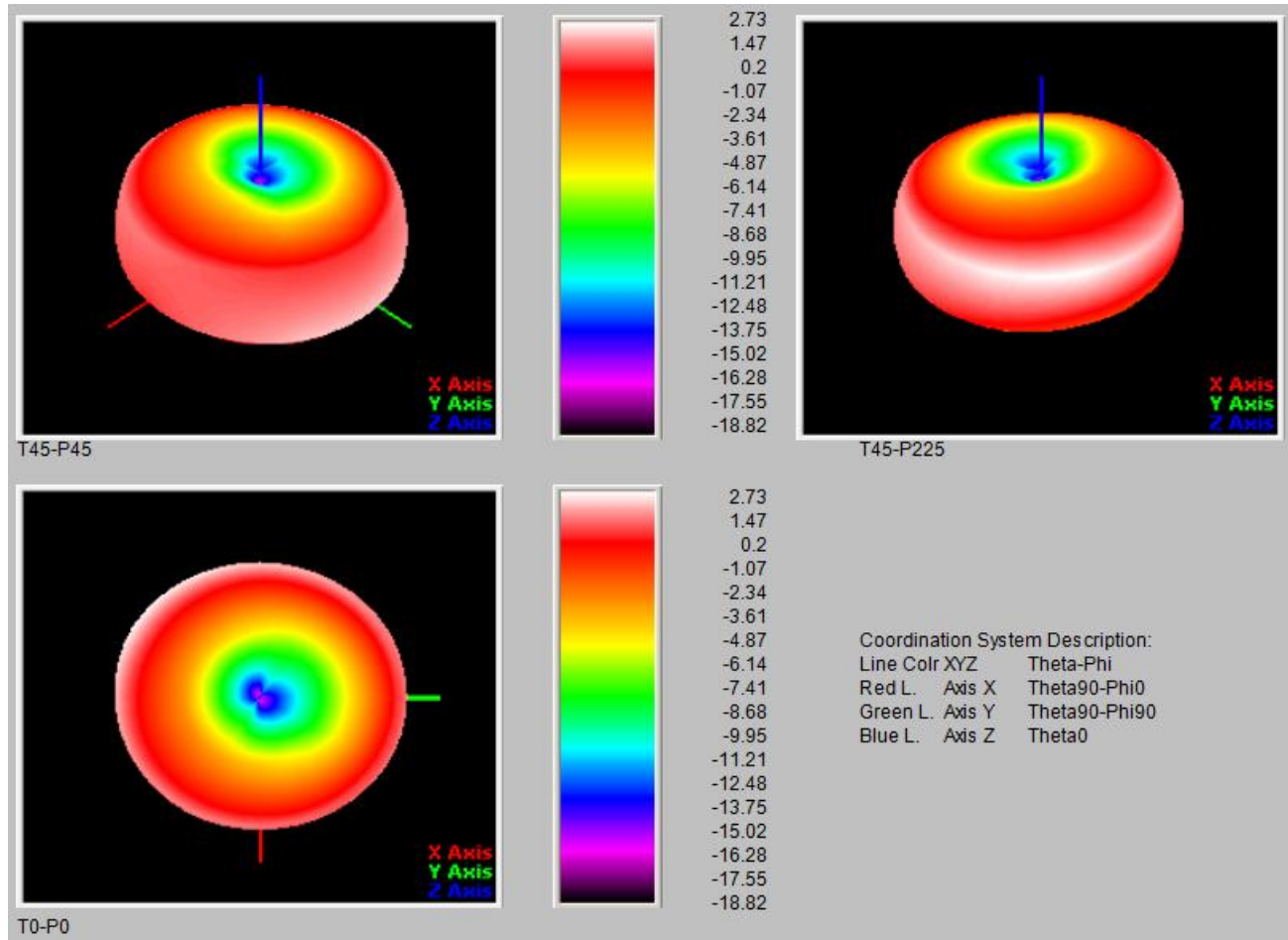
Test Point	Freq. (MHz)	Gain (dBi)	Efficiency
<u>1</u>	2400.0	2.03	72.3%
<u>2</u>	2410.0	2.09	66.4%
<u>3</u>	2420.0	2.50	70.6%
<u>4</u>	2430.0	2.25	63.0%
<u>5</u>	2440.0	1.99	63.0%
<u>6</u>	2450.0	2.48	63.6%
<u>7</u>	2460.0	2.29	61.3%
<u>8</u>	2470.0	2.73	63.0%
<u>9</u>	2480.0	2.71	64.1%
<u>10</u>	2490.0	2.40	68.7%
<u>11</u>	2500.0	1.81	65.5%

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 Shanghai Company: 202, Building 16, No. 618 Dingyuan Road, Songjiang District, Shanghai Tel: +86-021-52060235 Fax: +86-021-34711533

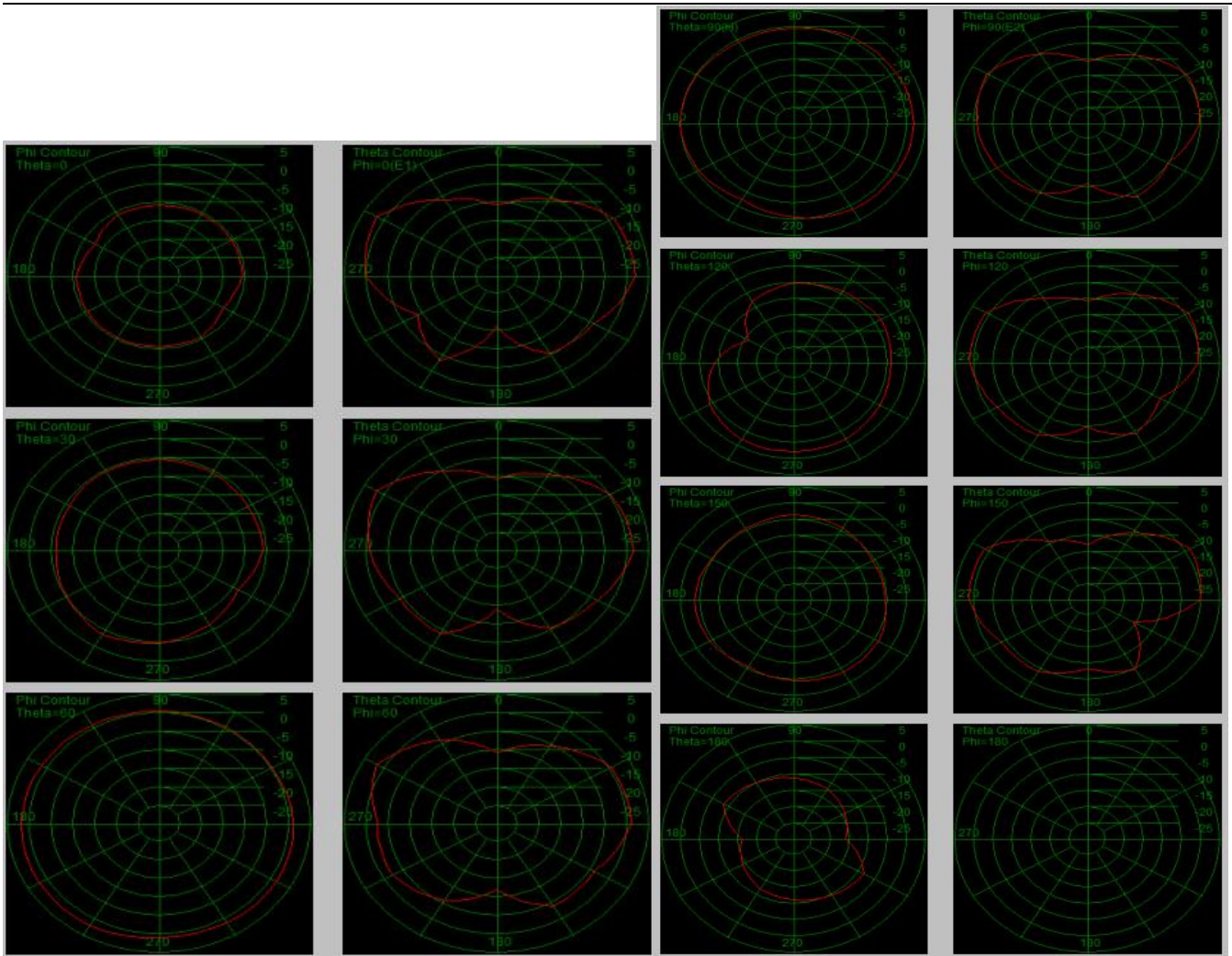
<http://www.flxant.com>

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

Passive -Freq2470.00MHZ



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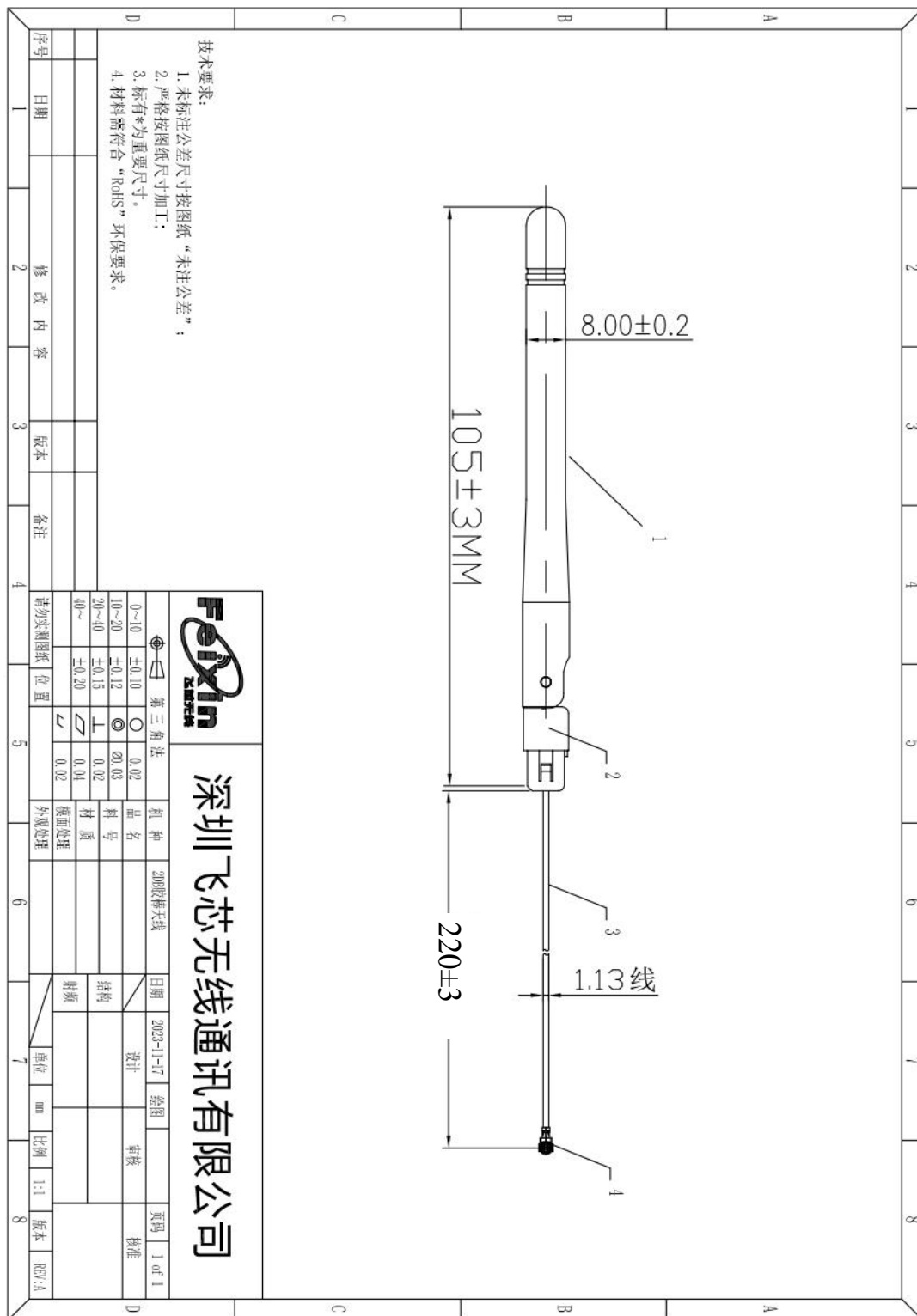
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4、Product structure drawing



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