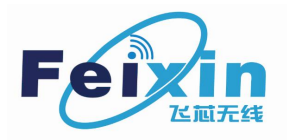


SPECIFICATION

Shenzhen Feixin Wireless Communication



深圳飞芯无线通讯有限公司

Shenzhen Feixin Wireless Communication Co., Ltd.

2.4G Rod Antenna Product specification

Customer		Frequency	2400MHz——2500MHz
R F design	XIAO BIN	Version	A1
Technical director	ANDY	date	2024-04-02

Customer confirmation:

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

Directory

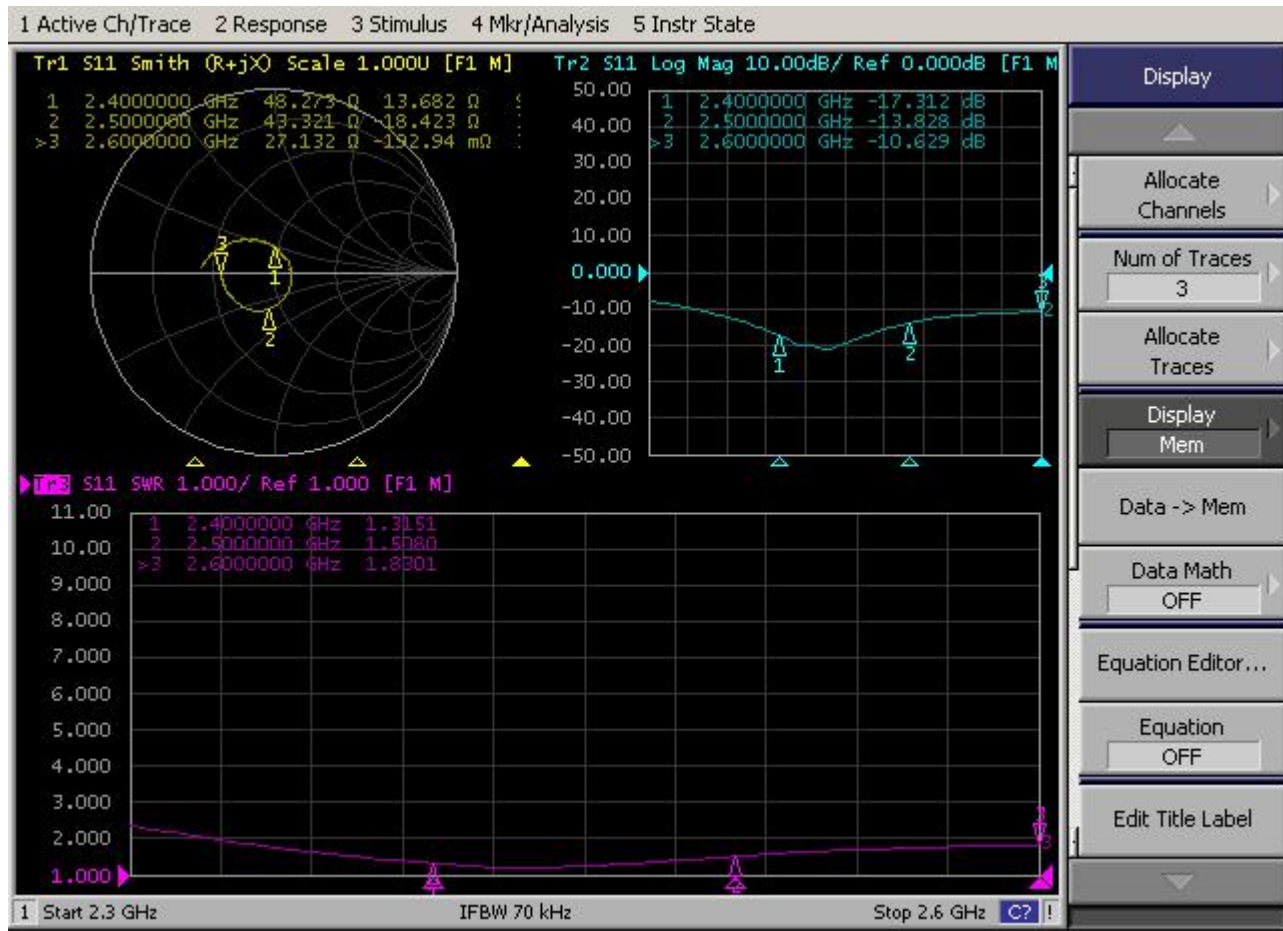
Cover	1
1、 Directory.....	2
2、 Product parameters	3
3、 S11 data	4
4、 Antenna passive test data:.....	4
5、 Product structure drawing.....	9

2、Product parameters

产品测试参数			
产品名称(Name)	2.4G Rod antenna	产品型号(Model Type)	FX-2.4G-BZ-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)	50W
增益(Gain)	3.87 dBi	带宽 (Bandwidth)	100MHz
机 械 指 标 (Mechanical Specifications)			
尺寸 (Dimensions)	105 \pm 2 mm	天线颜色(Ant Color)	white
连接器型号 (Connector)	Ipex 1 代	引线长度(Cable Length)	220 \pm 5 mm
天线材料 (Ant Material)	ABS		
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



4. Antenna passive test data:

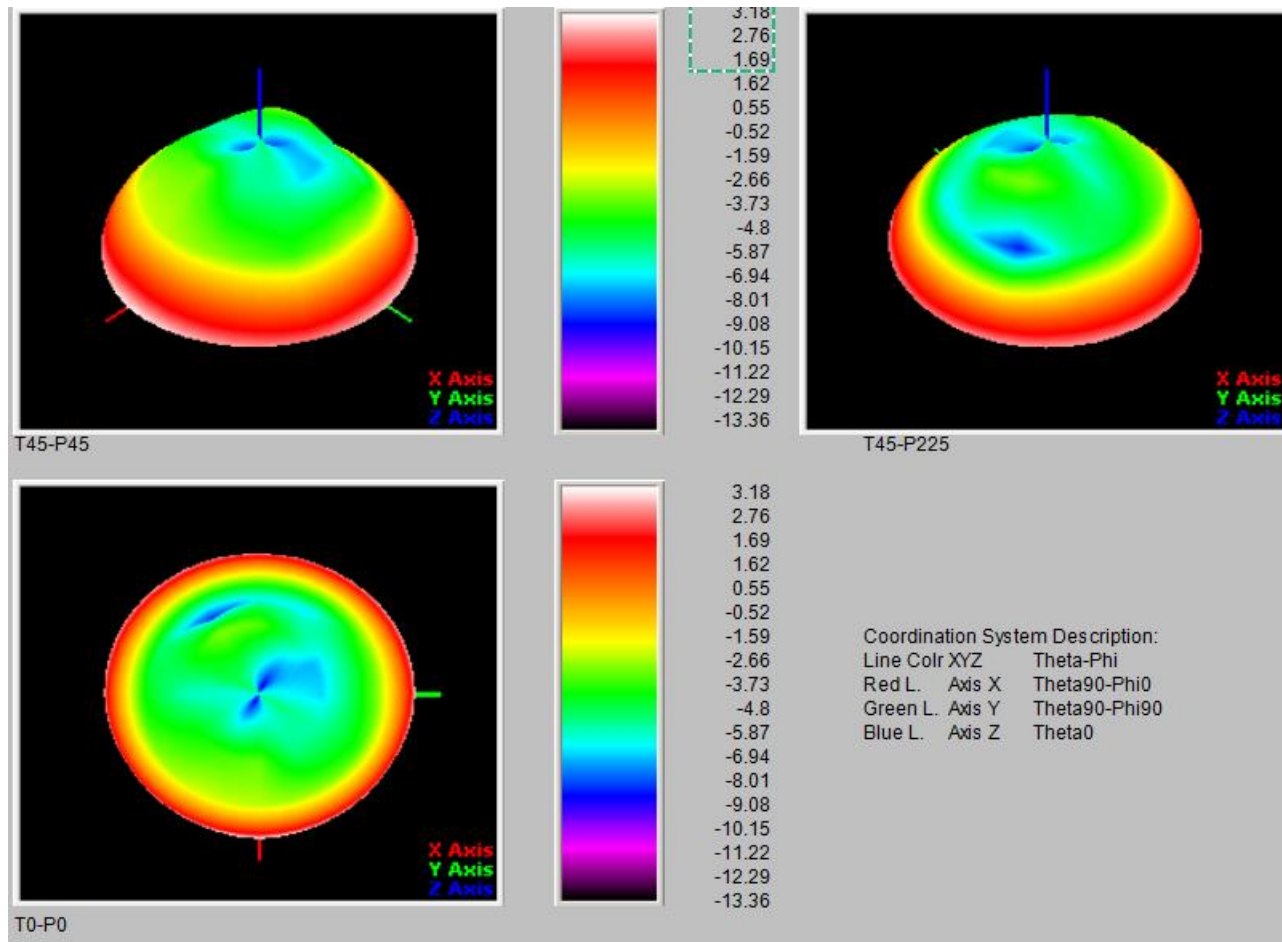
(1) Antenna efficiency and gain:

Freq. (MHz)	Gain (dBi)	Efficiency (%)
2400.0	2.59	65.8%
2410.0	2.34	73.1%
2420.0	3.18	71.3%
2430.0	2.83	67.9%
2440.0	3.46	73.9%
2450.0	3.49	76.5%
2460.0	3.75	75.8%
2470.0	3.78	75.8%
2480.0	3.62	70.1%
2490.0	3.87	73.7%
2500.0	3.54	78.2%

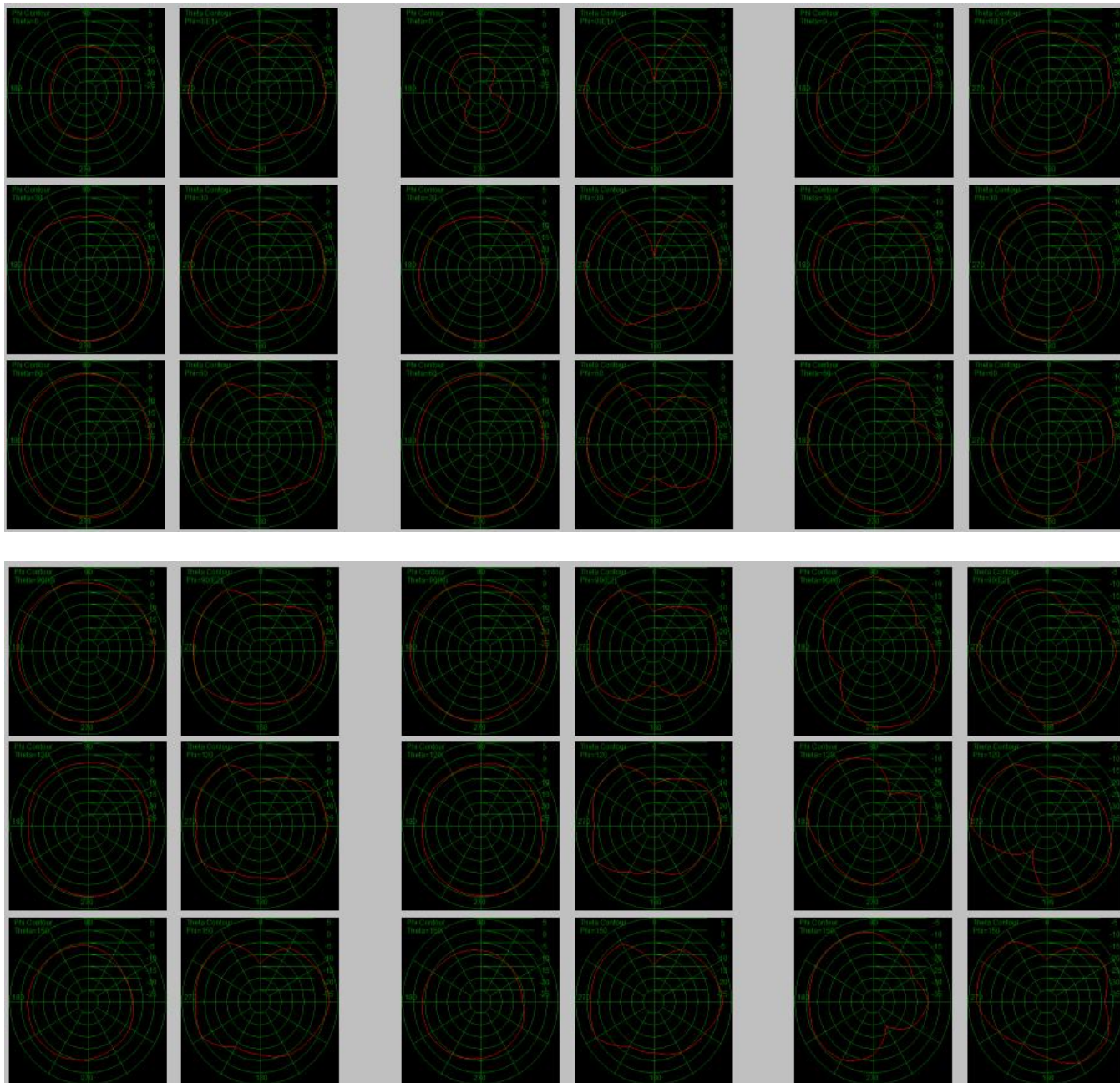
(2) Apple chart and direction chart

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

Passive - Freq2420.00 MHZ



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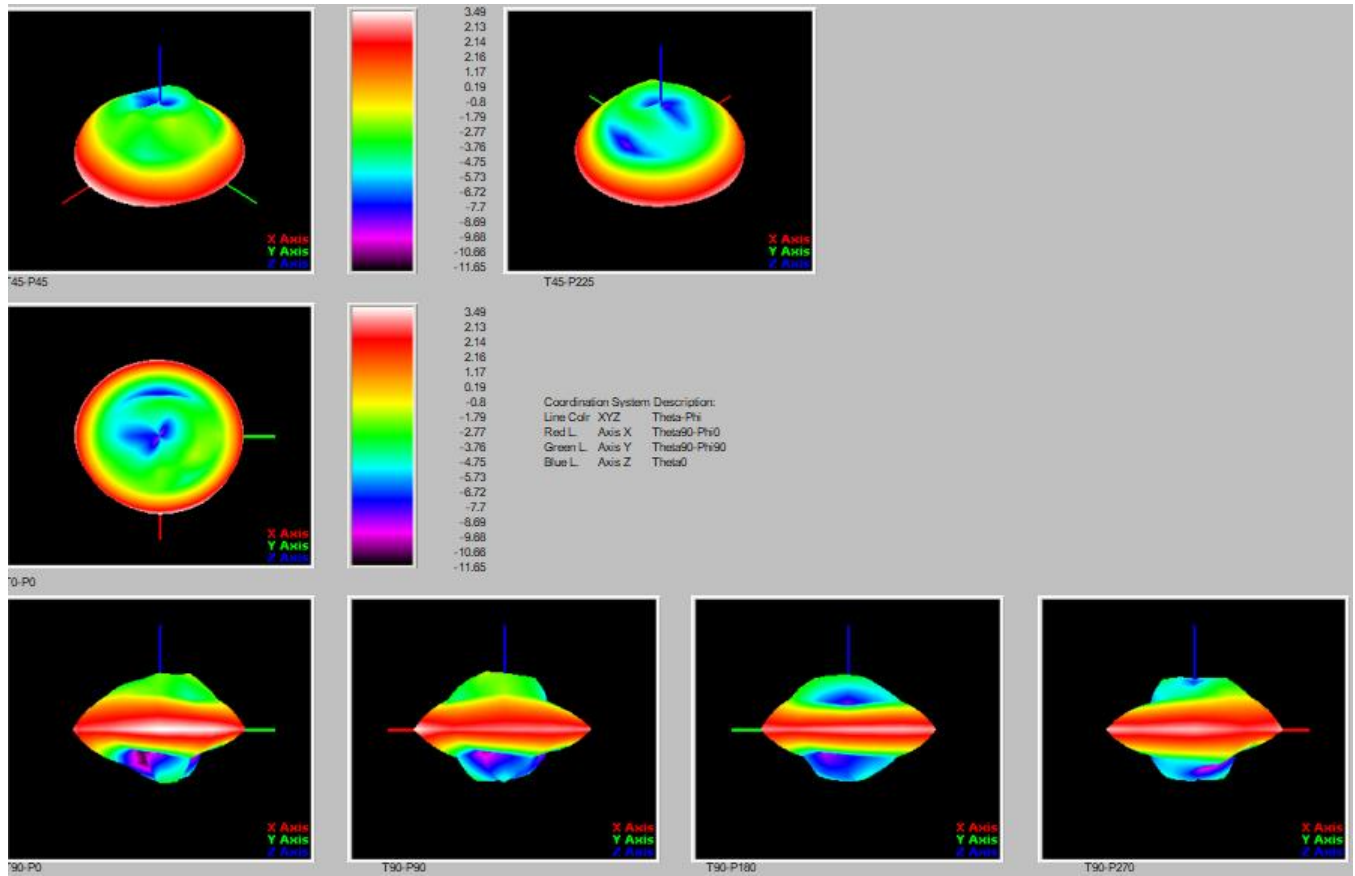
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Passive-Freq2450.00MHZ

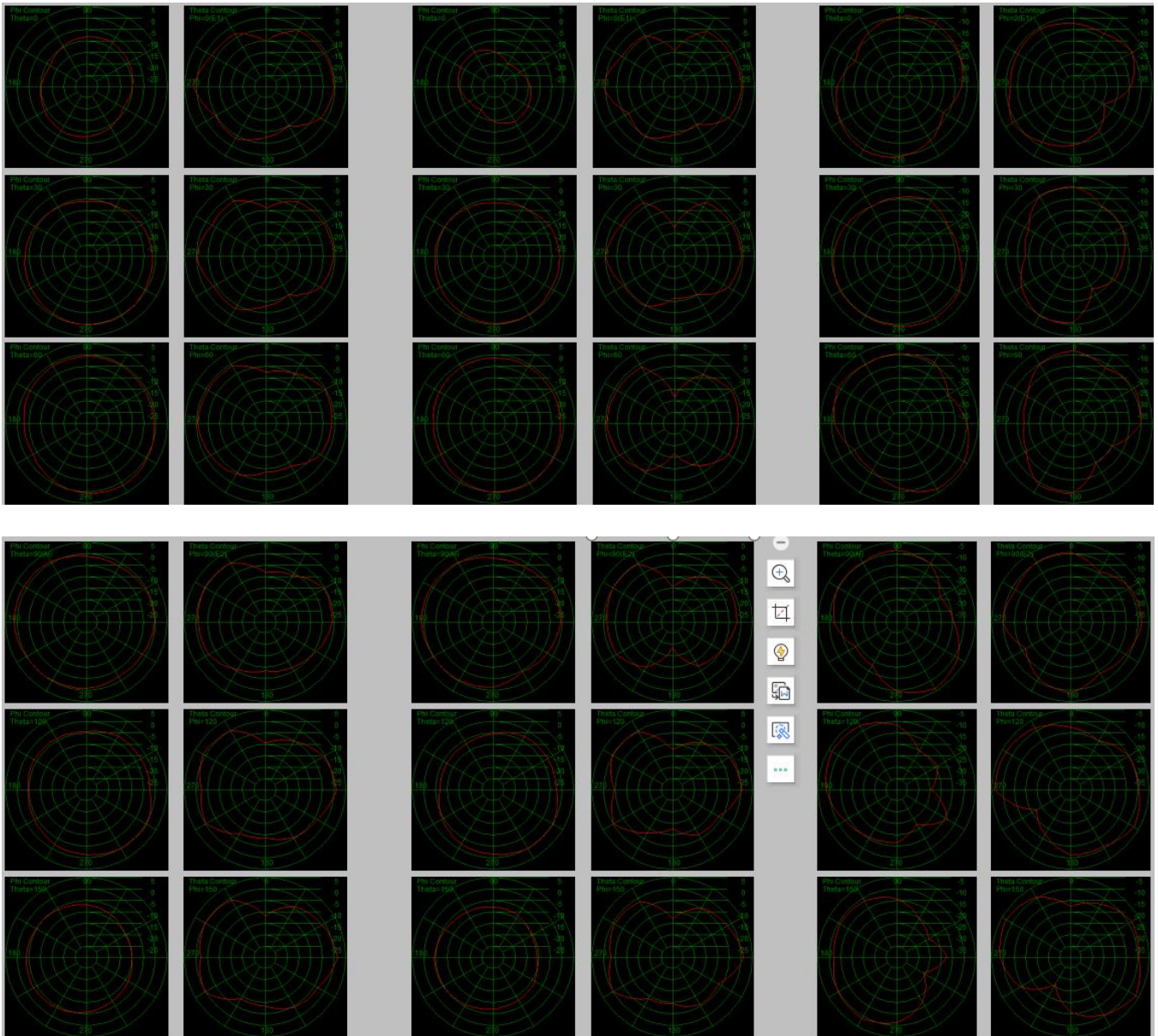


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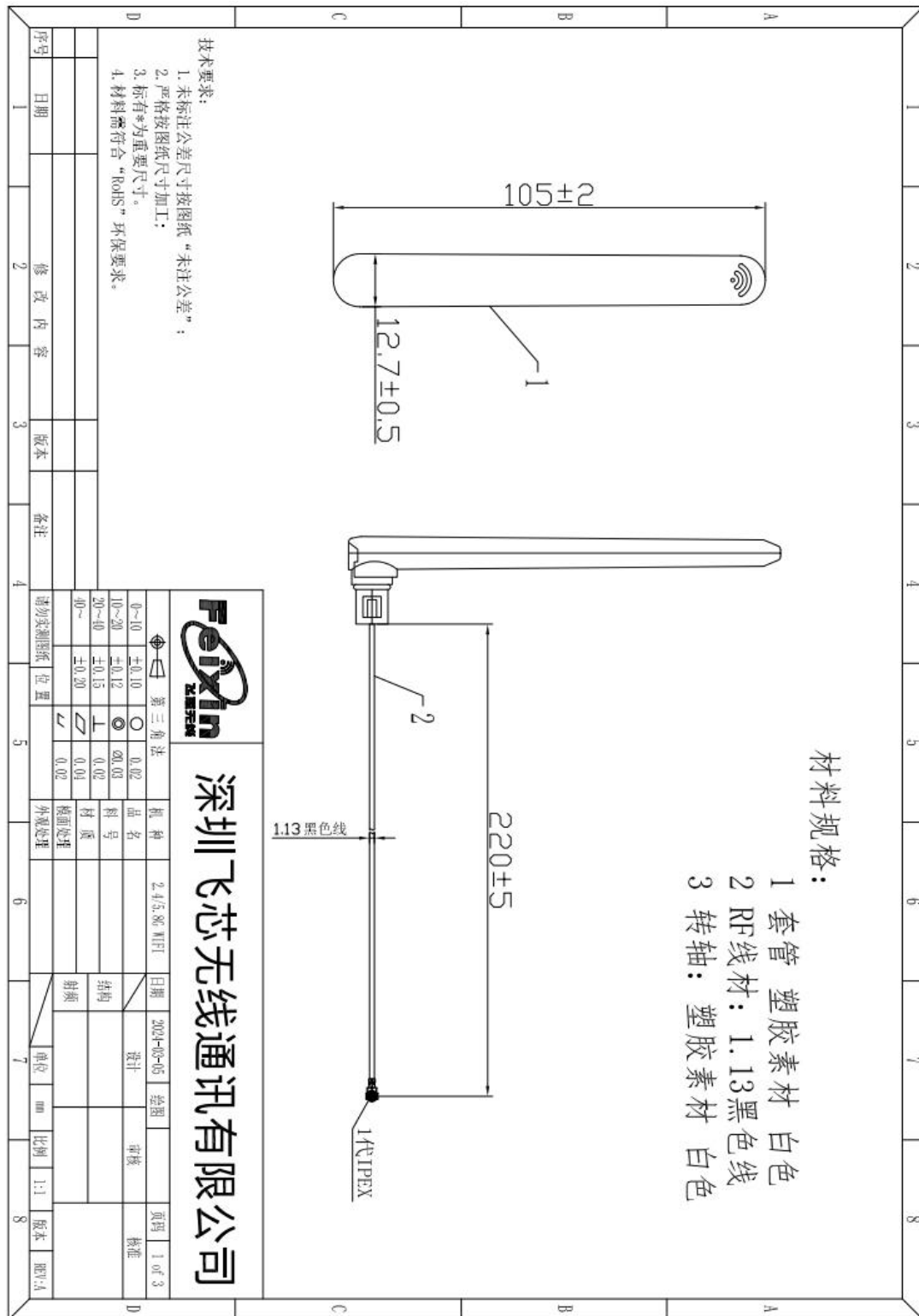
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5、Product structure drawing



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