

深圳飞芯无线通讯有限公司

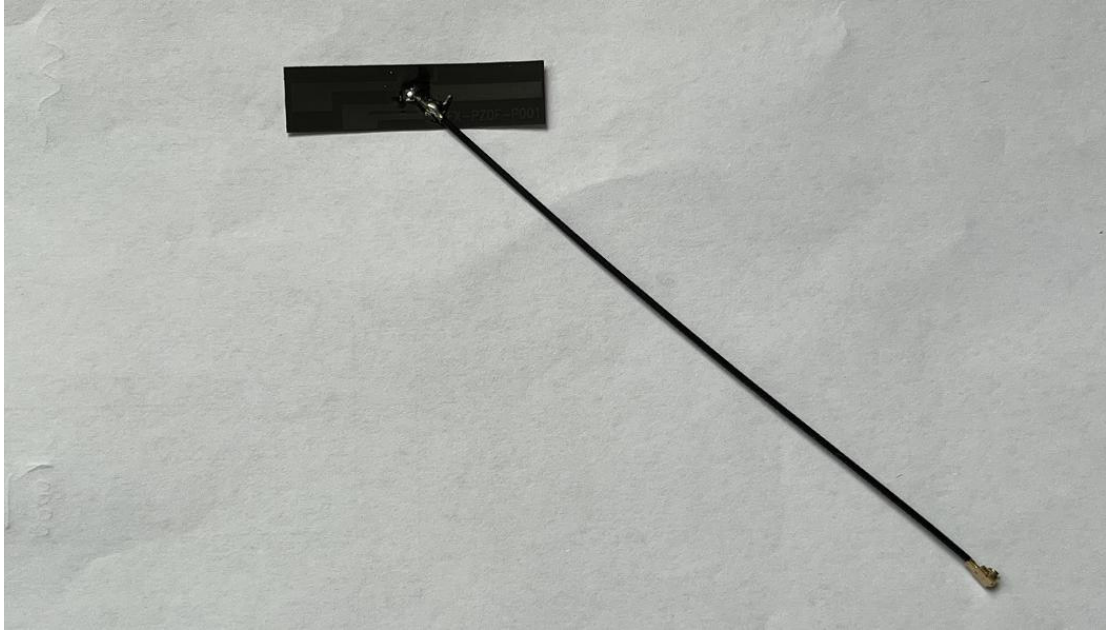
Shenzhen Feixin Wireless Communication Co., Ltd.

2.4G FPC Antenna

Product specification sheet

Customer	CHERRY	Frequency band	2400-2500MHz
Name	2.4G FPC Antenna	Edition	A1
Material number	FX-PZDF-P001-1.13B-130-1	Date	2024-06-20

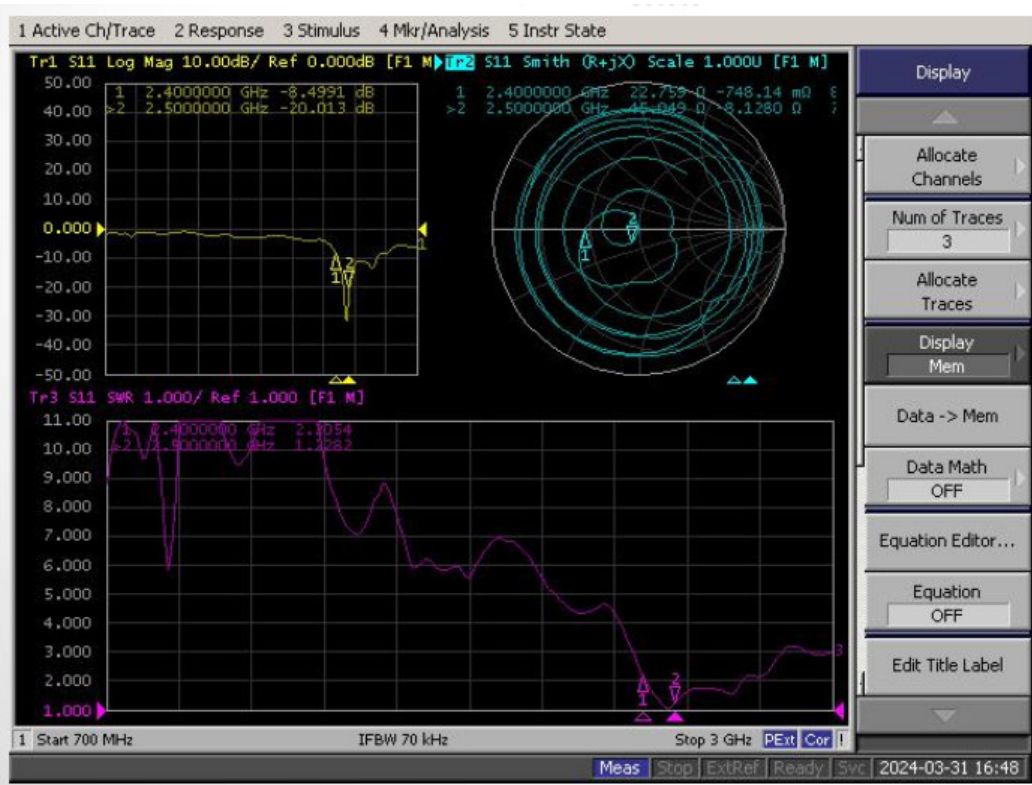
1. 产品图片(Product Image)



2.产品参数(Product Parameter)

产品测试参数 (Product Testing Parameter)			
产品名称(Name)	2.4G FPC Antenna	产品型号(Model Type)	FX-PZDF-P001-1.13 B-130-1
电 性 能 指 标 (Electrical Specifications)			
频率范围 (Frenquency 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)	2.87dBi	带宽 (Bandwidth	100MHz
机 械 指 标 (Mechanical Specifications)			
尺寸 (Dimensions)	41.7*11±0.3mm	外壳颜色(Radome Color)	Black
连接器型号 (Connector)	IPEX Generation 1	引线长度(Cable Length)	130±3mm
外壳材料 Radome Material	FPC		
工作温度 (Working Temperature)	-40℃--+85℃	存放温度 (Limit Temperature)	-40℃--+85℃

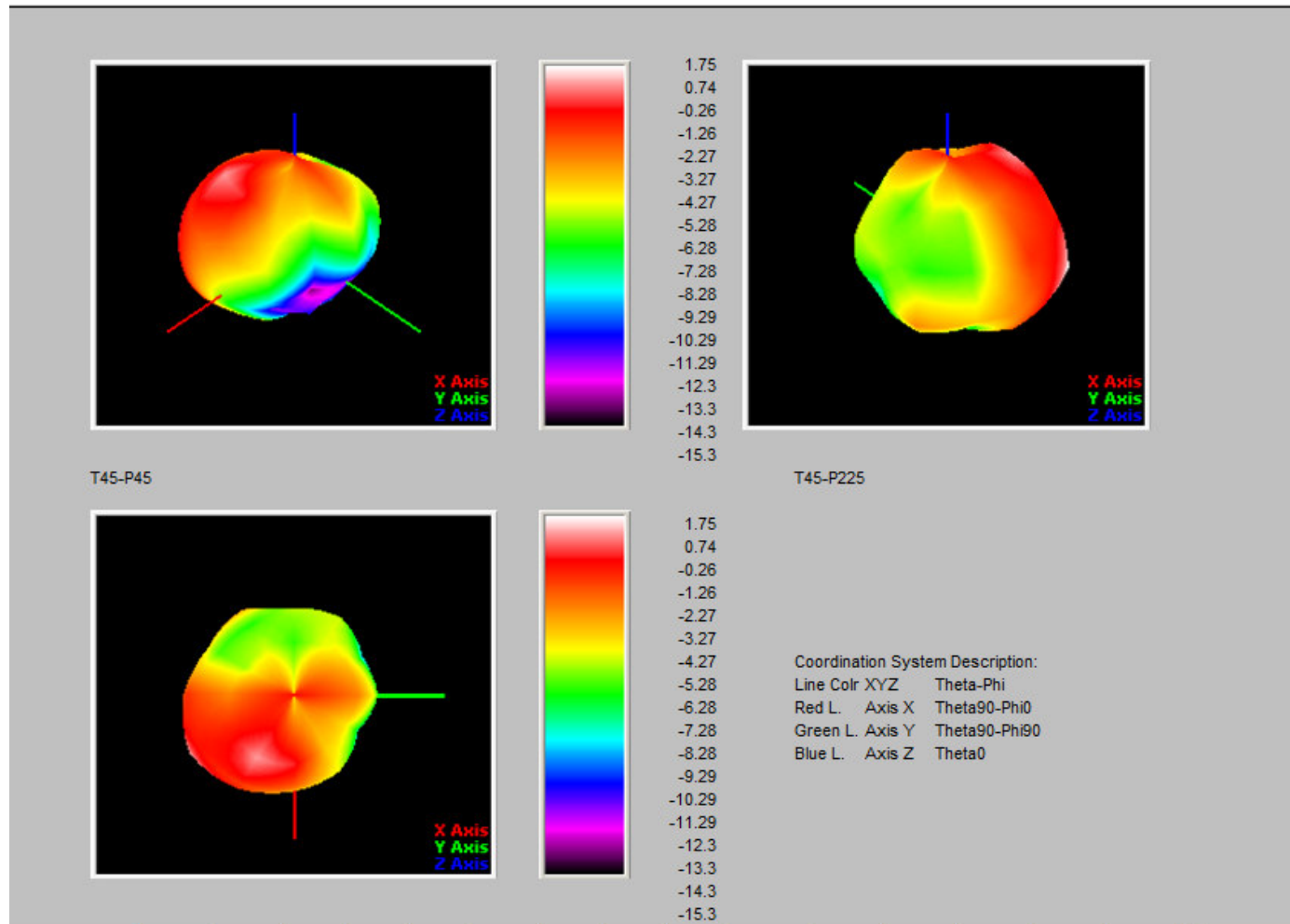
3.S11 (VSWR 、Return loss 、Smith)



(1) 天线测试效率(Antenna testing efficiency)、增益 (Gain)

Test Point ID	Freuq. MHz	Gain (dBi)	Efficiency (%)
1	2400.0	1.59	45.8%
2	2410.0	1.34	43.1%
3	2420.0	2.18	51.3%
4	2430.0	1.83	47.9%
5	2440.0	3.46	53.9%
6	2450.0	3.49	56.5%
7	2460.0	2.75	55.8%
8	2470.0	2.78	55.8%
9	2480.0	2.62	50.1%
10	2490.0	2.87	53.7%
11	2500.0	2.54	48.2%

(2) 天线苹果图(Antenna Apple Chart)
 Passive -Freq2400.00MHZ



4. Antenna Dimension (Unit:mm)

