

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-5.8G FPC 天线
(1.13 黑色线 L150MM 1 代 IPEX)

		Frequency	2400-2500MHz 5150-5850MHZ
product name	2.4G FPC ANT	Version	A1
Part number		In-part number	FX-2.4G-TB-PB-1.13B-150-1
Description	2.4G FPC ANT (FX-TB-PB-2.4G-V1.0) -1.13 Blackline L150MM		
R F Design	cehnliang		
Structure Design	xiekaijun		
Tech-Director	Andy	Date	2024-06-05

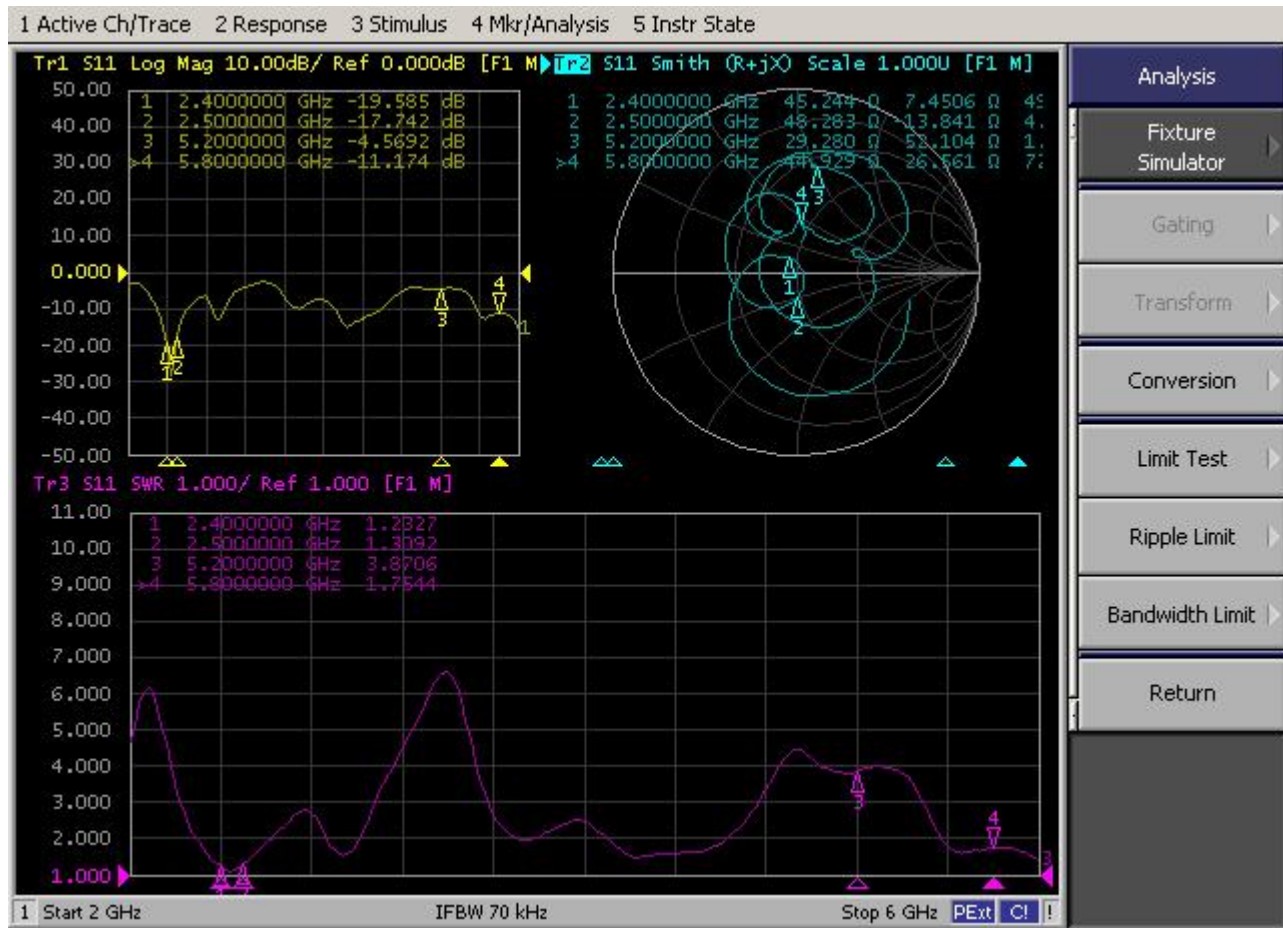
一、Product images



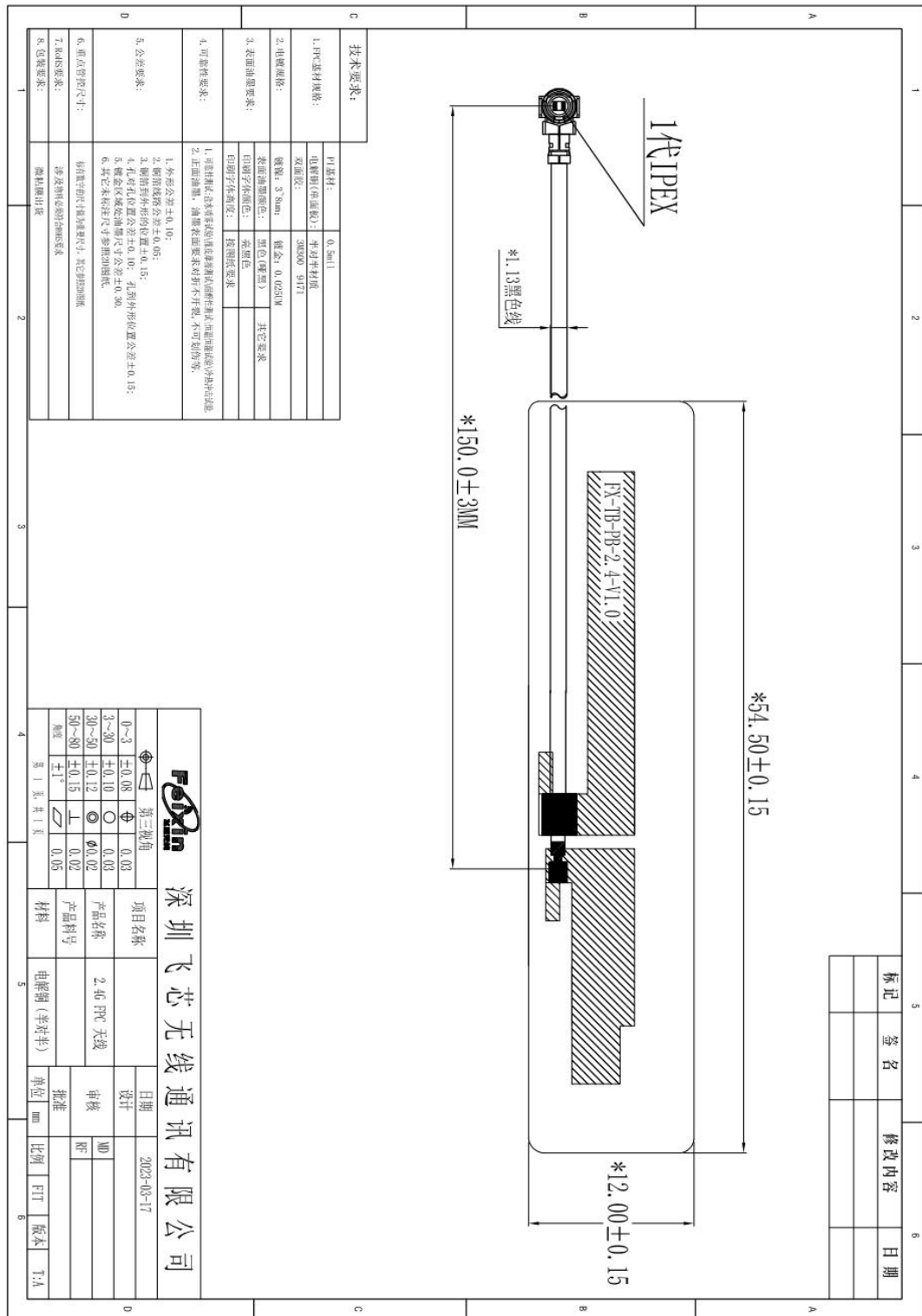
二、Product parameters

Product testing parameters			
产品名称(Name)	2.4 G-5.8G FPC 天线	产品型号(Model Type)	FX-2.4G-TB-PB-1.1 3B-150-1
电 性 能 指 标 (Electrical Specifications)			
频率范围 (Frequency Range)	2400-2500MHz 5150-5850MHz	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)	3 dBi	带宽 (Bandwidth)	100/680MHz
机 械 指 标 (Mechanical Specifications)			
尺寸 (Dimensions)	54.50*12 $\pm$ 0.15 mm	天线颜色(ANT Color)	黑色
连接器型号 (Connector)	IPEX 1 代	引线长度(Cable Length)	150 $\pm$ 3mm
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

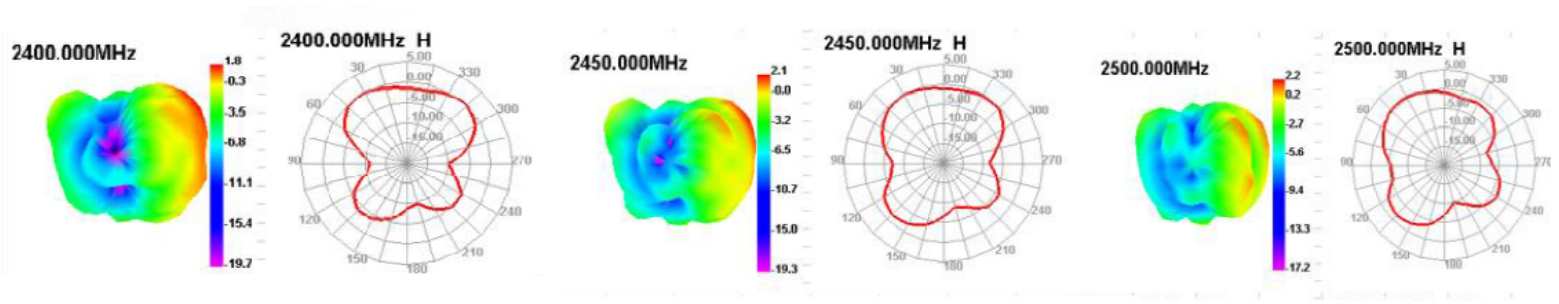
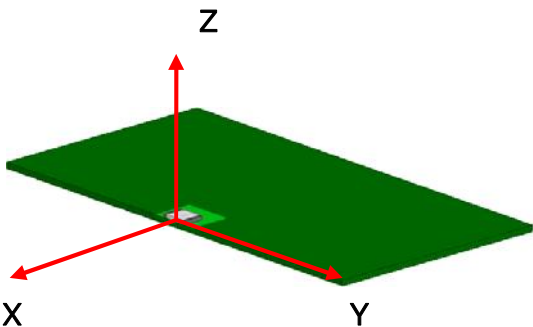
三、S11 (VSWR 、 Return loss 、 Smith)



四、Structural diagram



3D Gain Pattern (2400 -2500MHz)



3D Gain Pattern (5100-5850 MHz)

