

深圳飞芯无线通讯有限公司

Shenzhen Feixin Wireless Communication Co.,Ltd.

2.4G SMT Steel sheet Antenna Product specification sheet

Customer	CHERRY	Frequency band	2400-2500MHz
Name	2.4G SMT Steel sheet	Edition	A1
Material number	FX-2.4G-SMT-GP-A02	Date	2024-07-25

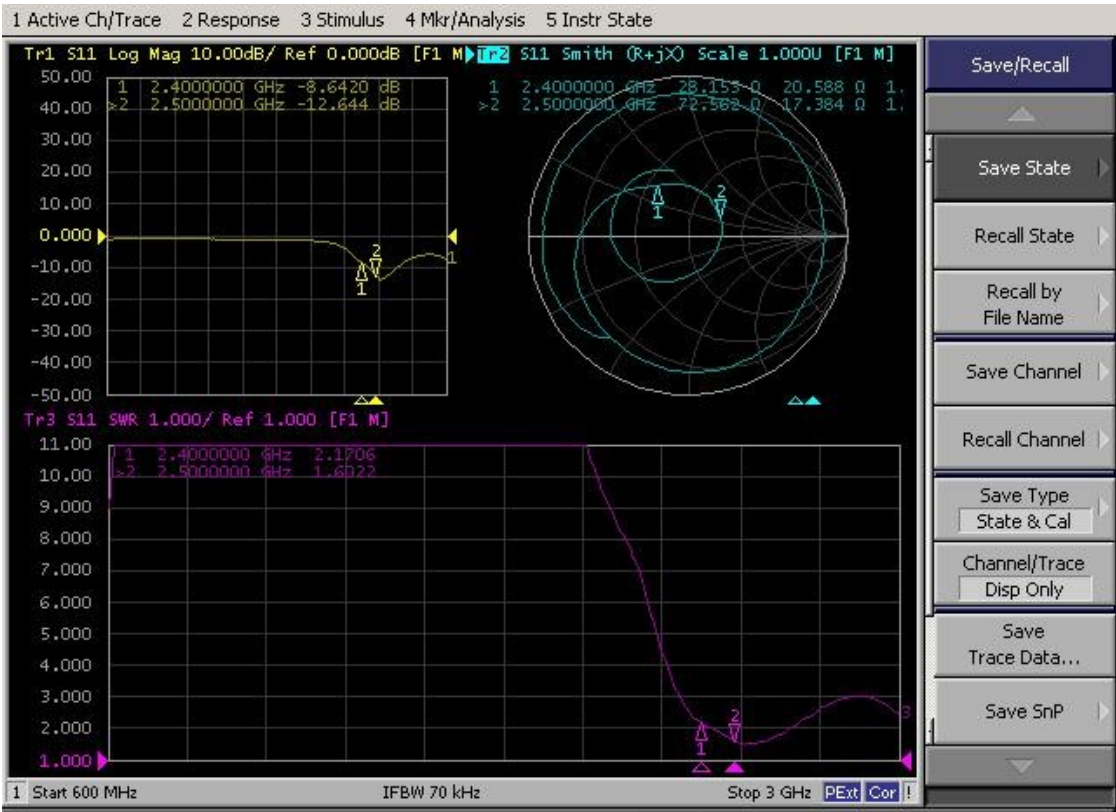
1. 产品图片(Product Image)



2.产品参数(Product Parameter)

产品测试参数 (Product Testing Parameter)			
产品名称(Name)	2.4G SMT steel sheet antenna	产品型号(Model Type)	FX-2.4G-SMT-GP-A02
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(Radiation)	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)	Refer to last page(Page 6)	外壳颜色(Radome Color)	silvery white
连接器型号 (Connector)	SMT surface mount	引线长度(Cable Length)	\
外壳材料 Radome Material	ABS		
工作温度 (Working Temperature)	-40℃-+95℃	存放温度 (Limit Temperature)	-40℃-+95℃

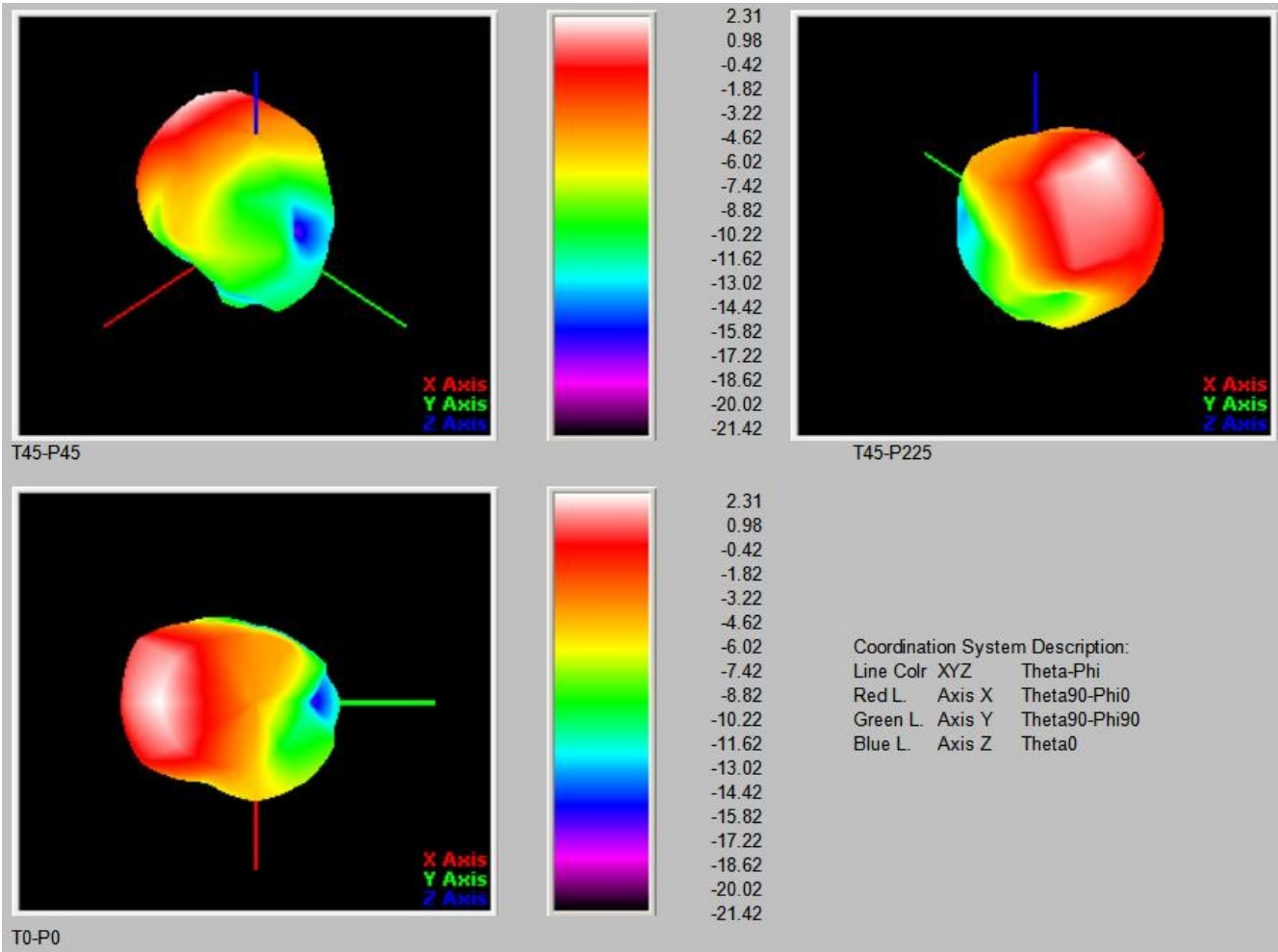
3.S11（ VSWR 、 Return loss 、 Smith）



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

Test Point ID	Freq. (MHz)	Gain (dBi)	Efficiency (%)
<u>1</u>	2400.0	2.87	59.1%
<u>2</u>	2410.0	1.95	56.0%
<u>3</u>	2420.0	2.10	60.2%
<u>4</u>	2430.0	2.04	57.6%
<u>5</u>	2440.0	2.19	60.3%
<u>6</u>	2450.0	2.31	61.9%
<u>7</u>	2460.0	2.37	60.6%
<u>8</u>	2470.0	2.40	60.5%
<u>9</u>	2480.0	1.90	66.8%
<u>10</u>	2490.0	2.37	69.3%
<u>11</u>	2500.0	2.46	66.9%

(2) 天线苹果图(Antenna Apple Chart)
Passive -Freq2450.00MHZ



4.Antenna Dimension (Unit :mm)

