

SPECIFICATION

Shenzhen Feixin Wireless Communication Co., Ltd.

2.4G/5.8 FPC antenna

Product specification

Customer		Frequency	2400——2500MHz 5150——5835MHZ
R F design	XIAO BIN	Version	
Technical director	ANDY	date	2026-04-20

Customer confirmation:

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

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1、Product pictures

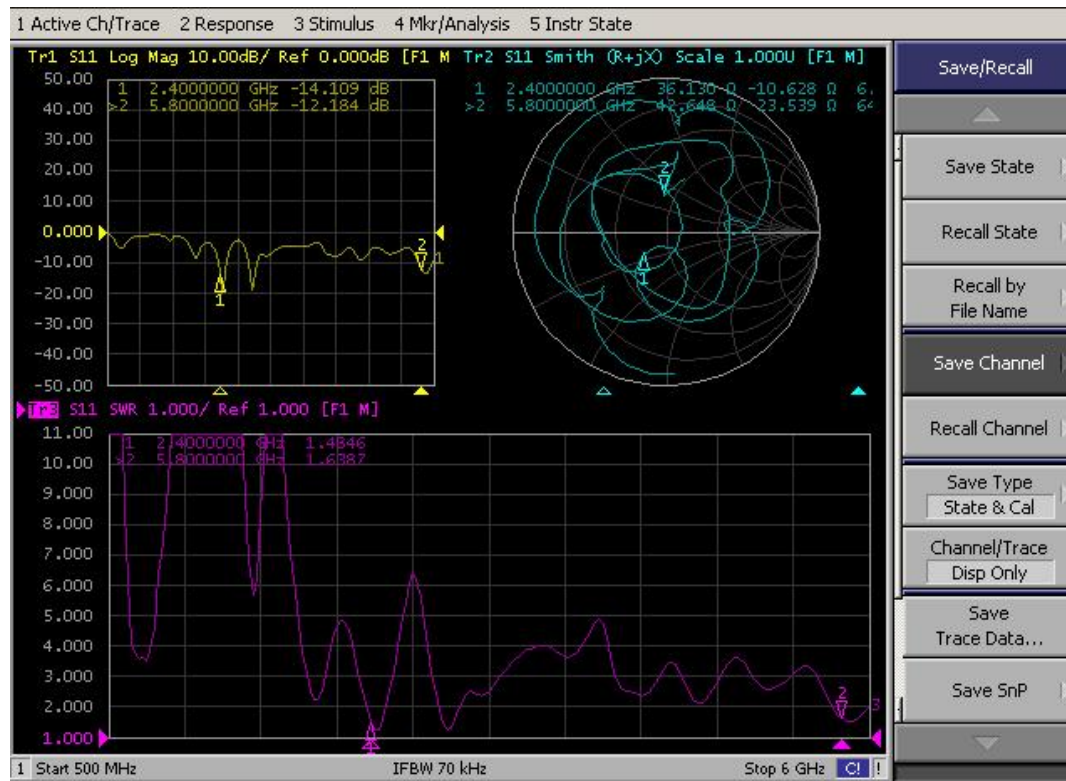


2、Product parameters

Product testing parameters			
产品名称(Name)	2.4G WIFI	产品型号(Model Type)	FX-PD2516-P2-WIFI-A-1.13B-220-4
电 性 能 指 标 (Electrical Specifications)			
频率范围 (Frequency Range)	2400-2500MHZ 5200-5800MHZ	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)	5W
增益(Gain)	1.45/3.43 dBi	带宽 (Bandwidth)	100/600 MHz
机 械 指 标 (Mechanical Specifications)			
尺寸 (Dimensions)	52.50*11.18 $\pm$ 0.15mm	外壳颜色(ANT Color)	black
连接器型号 (Connector)	IPEX 4 代	引线长度(Cable Length)	220 $\pm$ 3 mm
外壳材料 Radome 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

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

3. VSWR, Return loss and Smith data



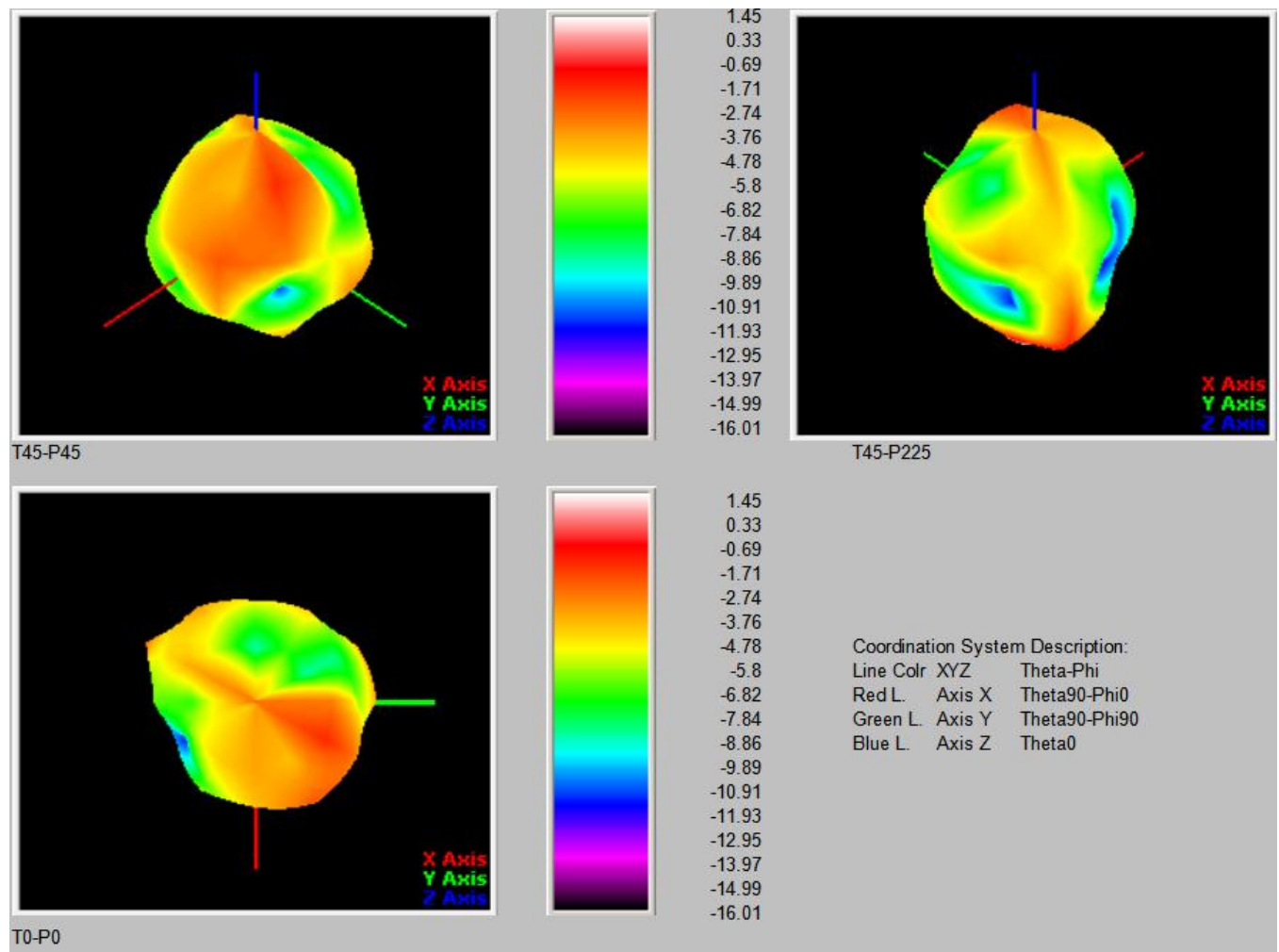
4、Antenna test data (gain, efficiency, apple chart)

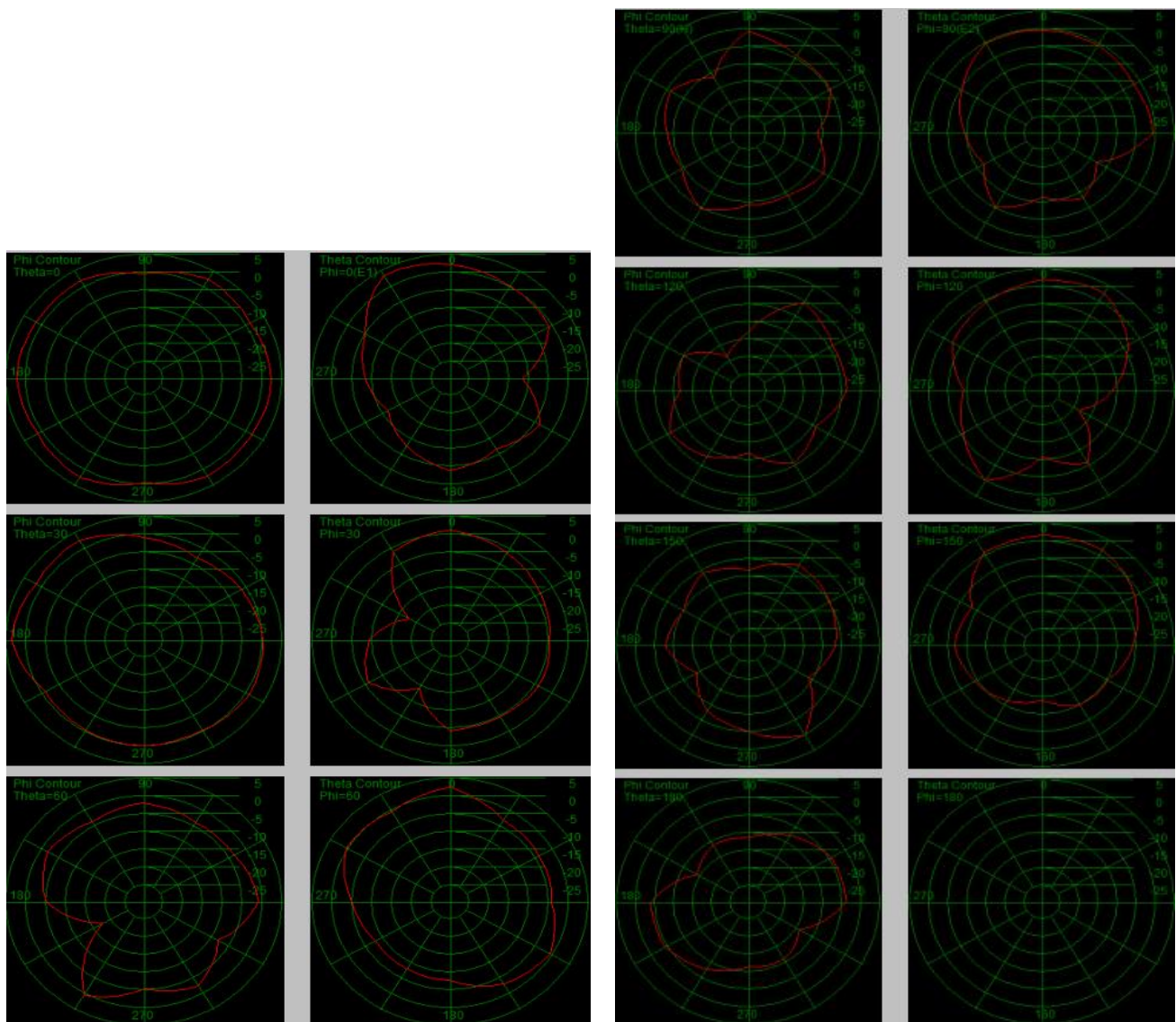
频率 (MHz)	增益 (Gain)	效率 (%)
2400	1.22	25.90%
2410	0.74	21.90%
2420	1.45	24.40%
2430	1.09	22.00%
2440	1.26	23.00%
2450	1.4	23.40%
2460	1.31	22.60%
2470	1.34	22.10%
2480	0.64	22.60%
2490	1.17	20.90%
2500	0.63	20.70%
5200	1	26.50%
5220	1.42	25.60%
5240	1.97	26.10%
5260	1.28	26.40%
5280	0.92	28.80%
5300	0.83	29.10%
5320	0.92	29.50%
5340	1.27	30.20%
5360	1.36	30.80%
5380	1.67	31.20%
5400	1.74	28.50%
5420	2.3	29.60%
5440	2.63	29.80%
5460	1.87	24.20%
5480	2.1	32.90%
5500	1.56	27.00%
5520	2.15	24.70%
5540	0.73	22.60%
5560	0.78	23.30%
5580	2.43	24.40%
5600	0.42	22.60%
5620	1.37	24.10%
5640	1.07	26.60%
5660	1.72	28.40%
5680	2.28	30.80%
5700	2.14	37.60%
5720	2.96	45.50%
5740	2.31	38.80%
5760	3.43	39.50%
5780	3.33	39.30%
5800	3.22	38.50%

<http://www.fccant.com>

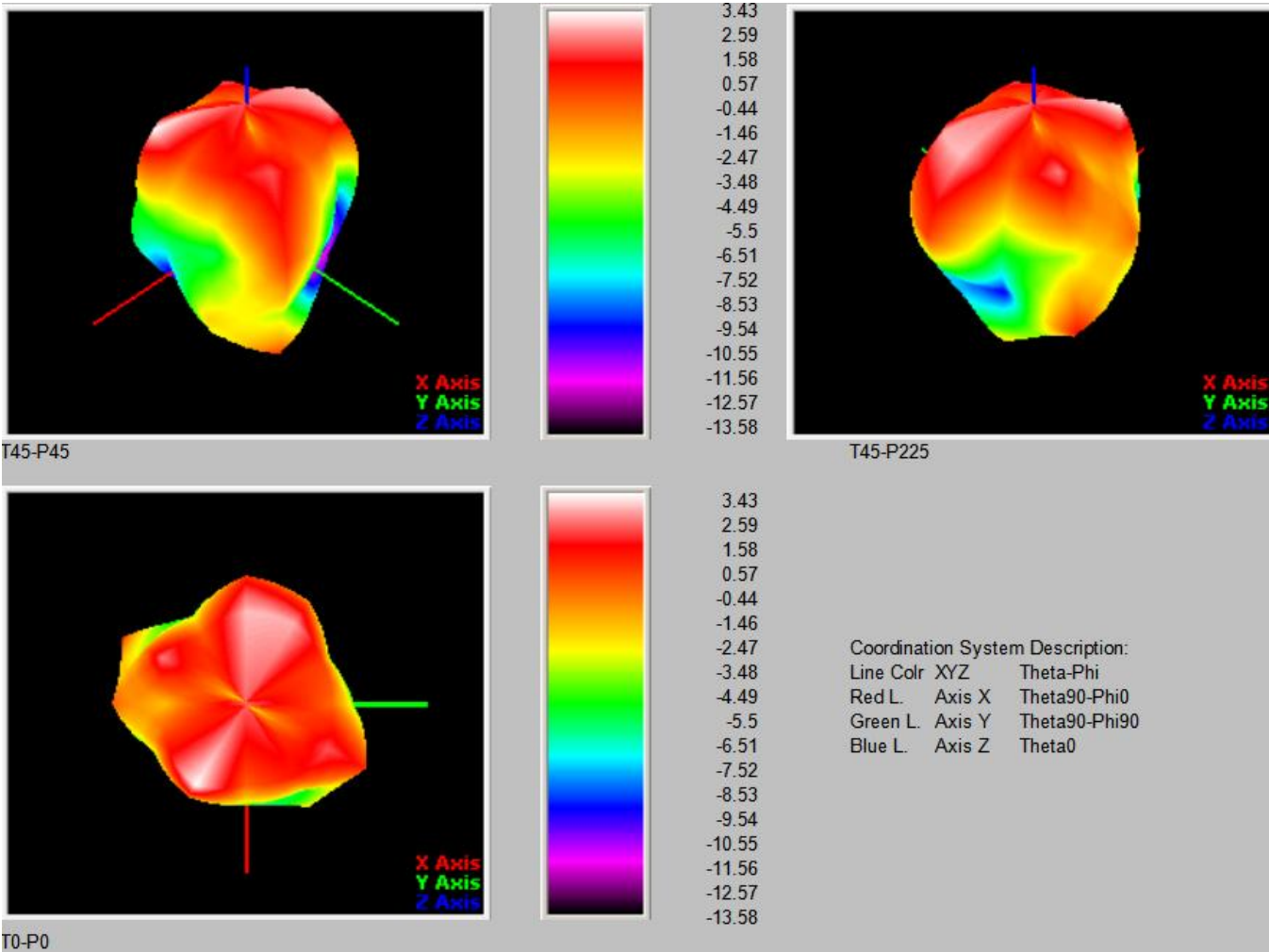
<http://www.fly-core.com>

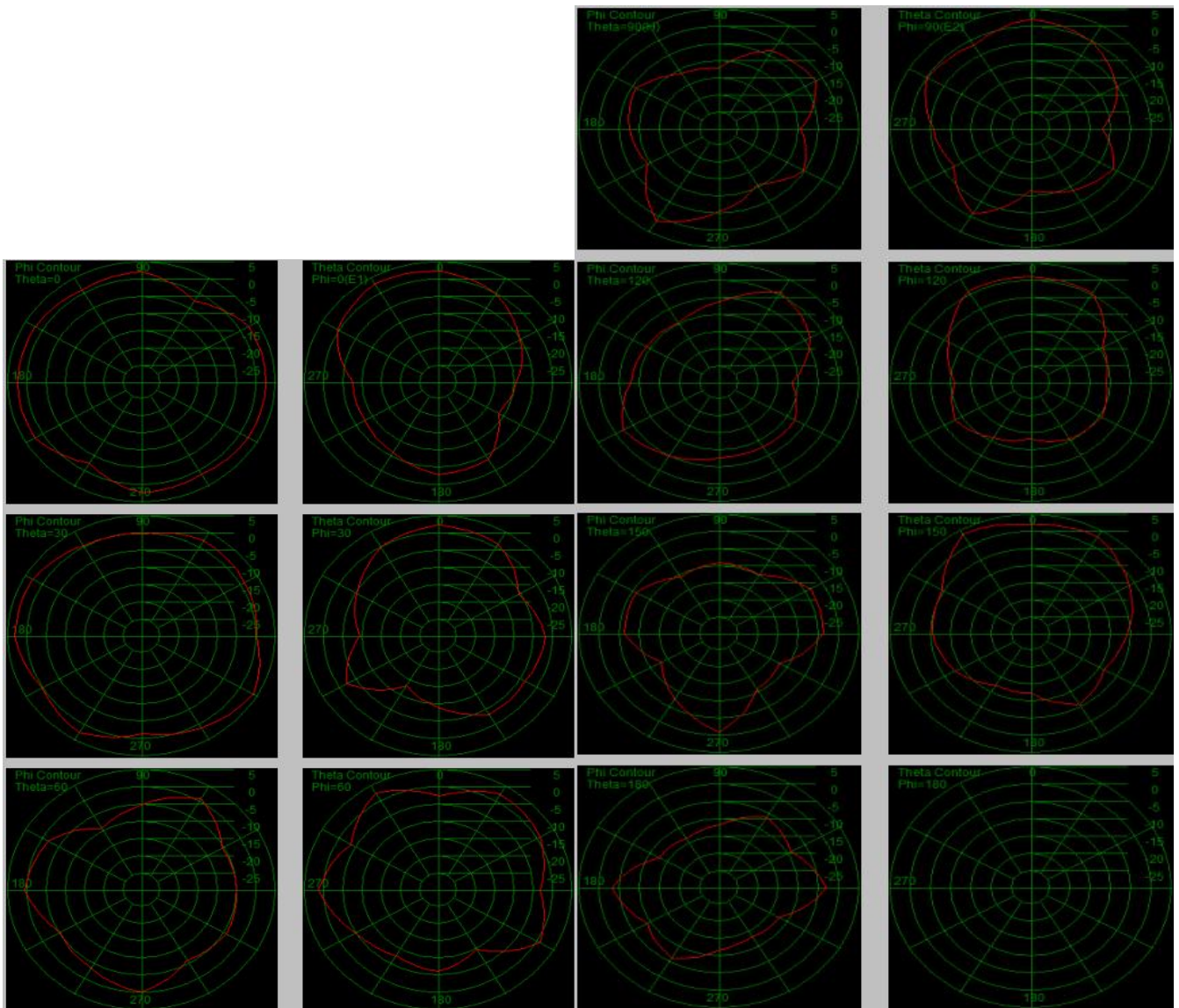
(1)Passive -Freq2420.00MHZ





(2) Passive -Freq5760.00MHZ





5、 Product structure drawing

