

SPECIFICATION

Shenzhen Feixin Wireless Communication



深圳飞芯无线通讯有限公司

Shenzhen Feixin Wireless Communication Co., Ltd.

2.4GHz Rubber Duck Antenna

Product specification

		Frequency	2400MHz——2500MHz
R F design	XIAO BIN	Version	A1
Technical director	ANDY	date	2026-08-23

--

Directory

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

1、Product pictures

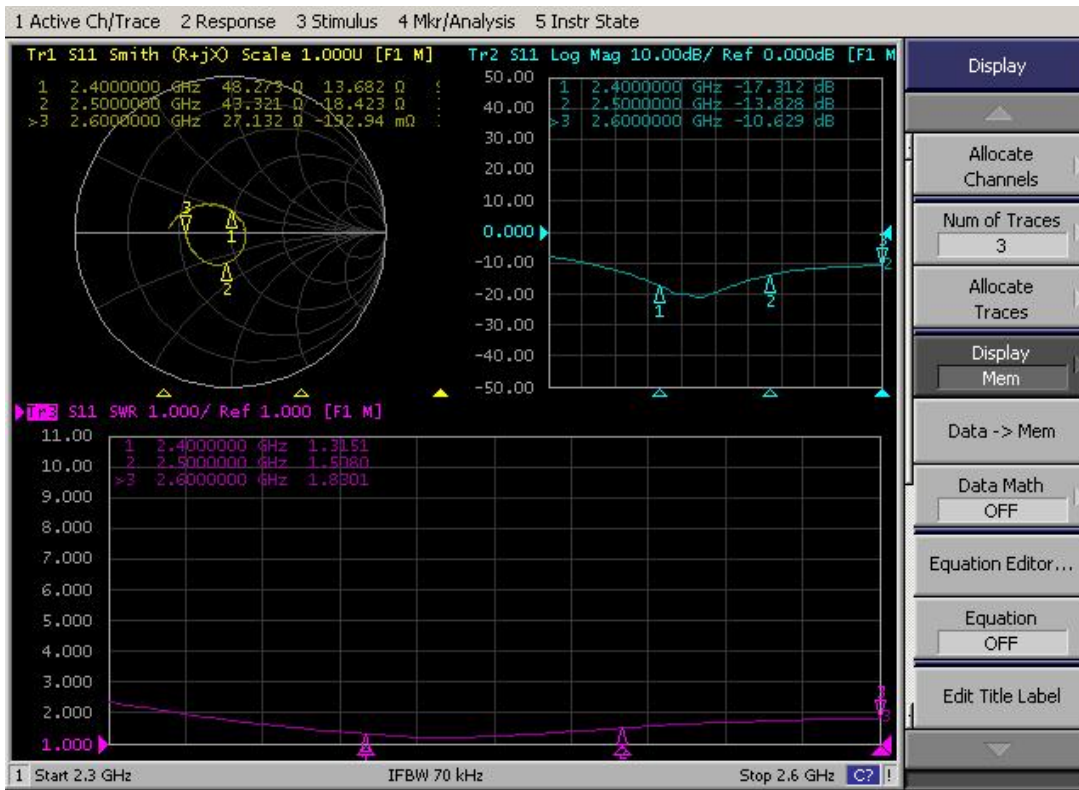


2、Product parameters

Product Test Parameters			
产品名称(Name)	2.4GHz Rubber Duck Antenna	产品型号(Model Type)	FX-2.4-5DB-200-S MA-K
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)	\
		带宽 (Bandwidth)	100
机 械 指 标 (Mechanical Specifications)			
尺寸 (Dimensions)	205.5 $\pm$ 2mm	天线颜色(Ant Color)	white
连接器型号 (Connector)	SMA-J	引线长度(Cable Length)	\
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

The information provided by the proprietary technology already owned by the Company shall be kept strictly confidential and shall not be disclosed to any person or company without the prior written consent of Shenzhen Feixin Wireless Communication Co., LTD.

3. VSWR, Return loss and Smith data

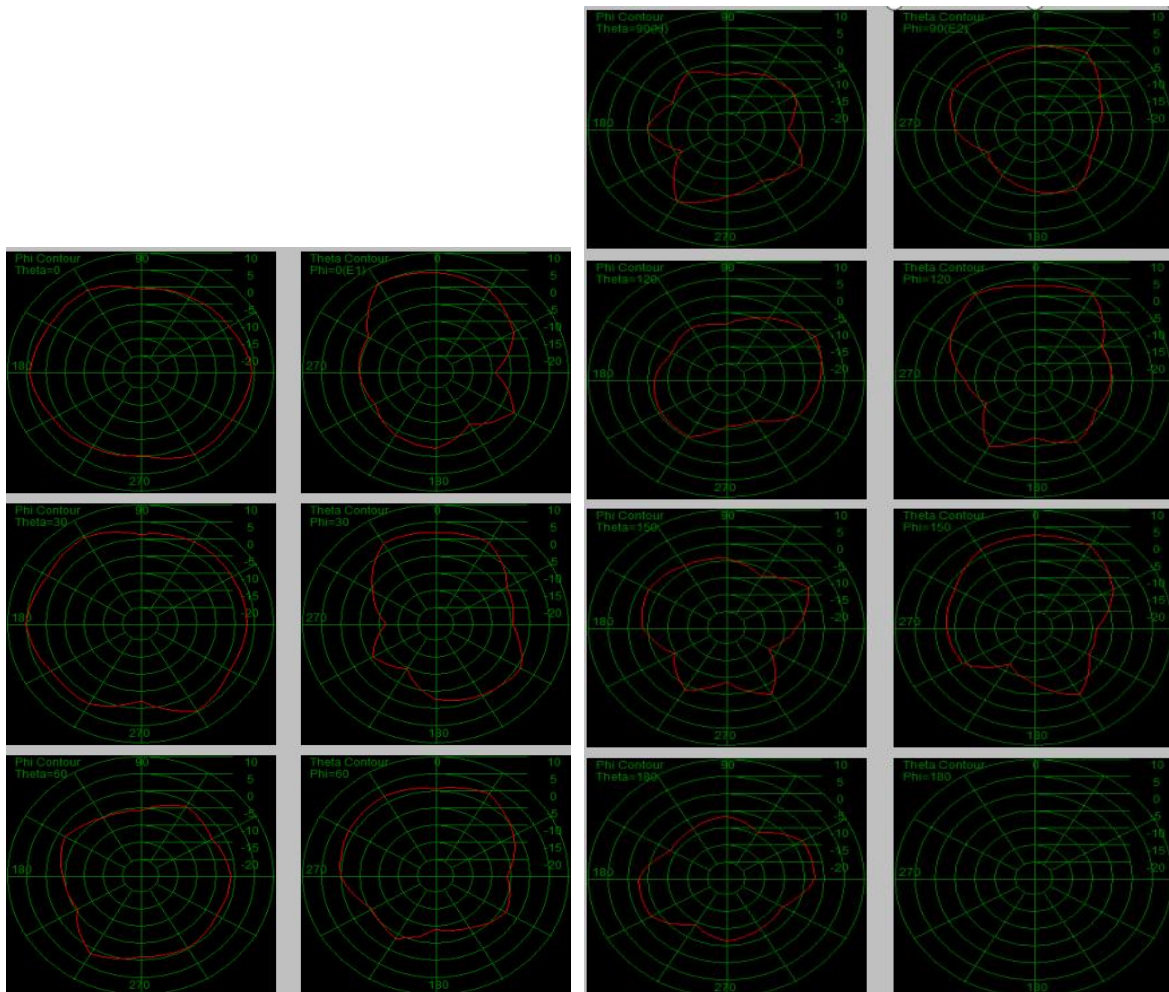
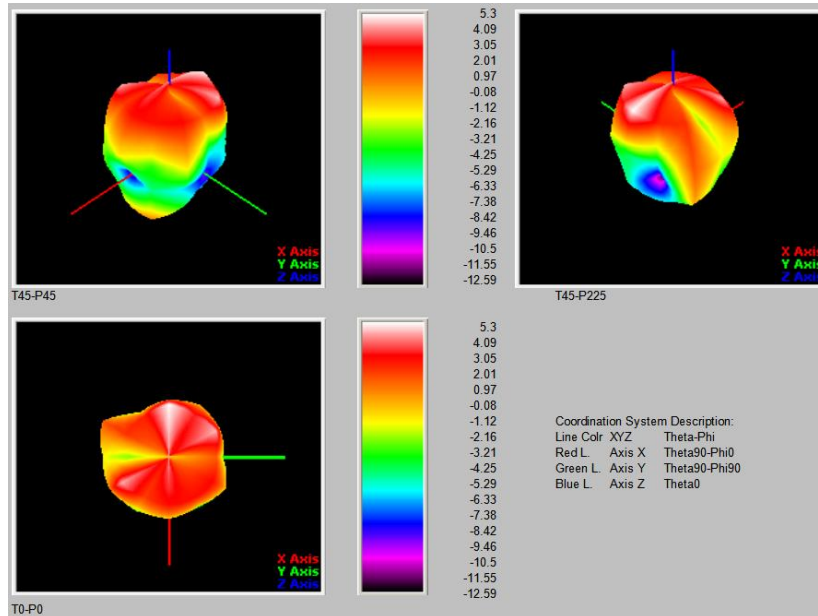


(1) Antenna efficiency and gain:

Test Point ID	Freq. (MHz)	TRP (dBm)	Gain (dBi)	Efficiency (%)
<u>1</u>	2400.0	2400.00	4.85	86.7%
<u>2</u>	2410.0	2410.00	4.33	74.3%
<u>3</u>	2420.0	2420.00	4.92	83.3%
<u>4</u>	2430.0	2430.00	4.51	75.1%
<u>5</u>	2440.0	2440.00	4.76	80.9%
<u>6</u>	2450.0	2450.00	5.06	86.4%
<u>7</u>	2460.0	2460.00	4.93	83.7%
<u>8</u>	2470.0	2470.00	5.18	86.8%
<u>9</u>	2480.0	2480.00	4.68	77.2%
<u>10</u>	2490.0	2490.00	5.30	88.0%
<u>11</u>	2500.0	2500.00	4.85	80.7%

Shenzhen Company: 3rd Floor, Building A, Changjing Robot Industrial Park, Guanhu Street, Longhua District, Shenzhen
 Shanghai Company: 202, Building 16, No. 618 Dingyuan Road, Songjiang District, Shanghai Tel: +86-021-52060235 Fax: +86-021-34711533

Passive -Freq2490.00MHZ



Shenzhen Company: 3rd Floor, Building A, Changjing Robot Industrial Park, Guanhu Street, Longhua District, Shenzhen
 Shanghai Company: 202, Building 16, No. 618 Dingyuan Road, Songjiang District, Shanghai Tel: +86-021-52060235 Fax: +86-021-34711533

<http://www.flxant.com>

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

The information provided by the proprietary technology already owned by the Company shall be kept strictly confidential and shall not be disclosed to any person or company without the prior written consent of Shenzhen Feixin Wireless Communication Co., LTD.

4、Product drawing

