

SPECIFICATION

Shenzhen Feixin Wireless Communication

Shenzhen Feixin Wireless Communication Co., Ltd.

923 MHz Spring Antenna

Product Specification

Customer		Frequency Band	923MHz
Product Name	923MHZ Spring Antenna	Version	A1
Customer Part Number		Feixin Part Number	FX-DS-923-002
Material Description			
RF Design	Chen Liang	RF Manager	Kim Yun
Mechanical Design	Xie Kaijun	Mechanical Manager	Chen Hwa
Technical Director	Andy	Date	2026-06-08

Customer Confirmation :

Assembly complies with your requirements: : ☐OK ☐NG

Shenzhen Feixin Wireless Communication Co., Ltd

No. 104 Huanguan Middle Road, Songyuanxia Community, Guanhu Street, Longhua District, Shenzhen City, China

Table of Contents

Cover Page	1
Content	2
1、 Product Image	3
2、 Product Specifications	3
3、 S11 Data	4
4、 Mechanical Drawing	5

1、Product Image



2、Product Specifications

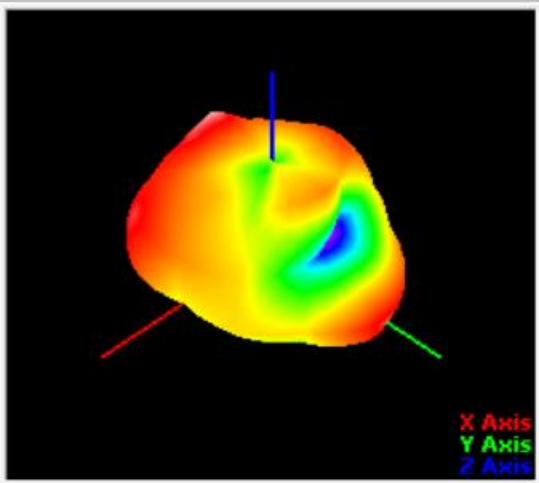
Product Test Parameters			
Name	923MHz Spring Antenna	Model Type	FX-DS-923-002
Electrical Specifications			
Frequency Range	923MHz	Polarization	Vertical
Impedance	50 Ω	Radiation Pattern	Omnidirectional
VSWR	≤ 2.0	Power	50W
Gain	2.5dBi	Bandwidth	$\pm 10\text{MHz}$
Mechanical Specifications			
Dimensions	21*12.10 $\pm$ 1mm	Radome Color	Silver White
Connector	Solder Type	Cable Length	/
Housing Material	Nickel-Plated Steel Wire		
Working Temperature	-40°C-+85°C	Limit Temperature	-40°C-+85°C

3、S11 (VSWR 、 Return loss 、 Smith)



923MHZ Antenna Radiation Apple Plot and Radiation Pattern Plot

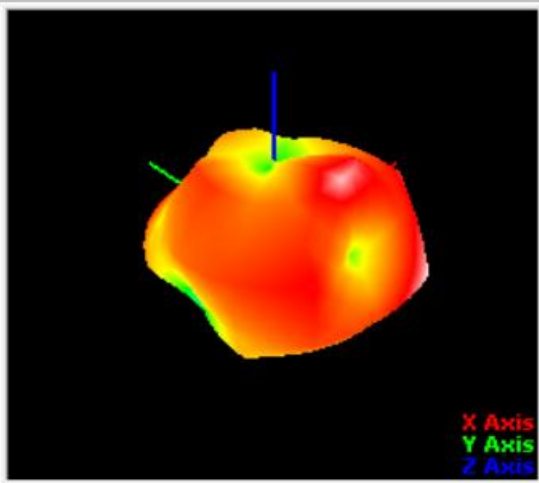
Passive -Freq 923.00MHZ



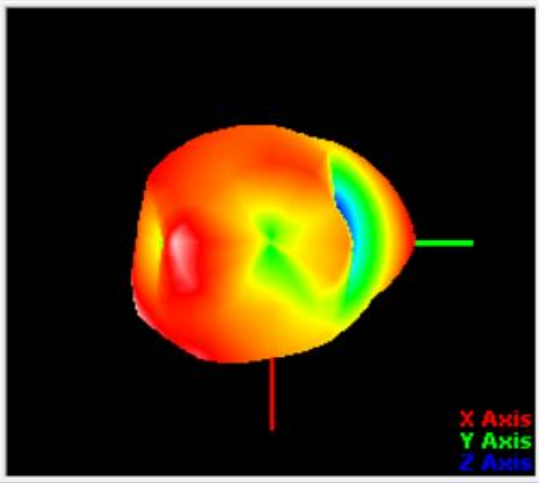
T45-P45



0.23
-0.72
-1.92
-3.13
-4.34
-5.54
-6.75
-7.95
-9.16
-10.37
-11.57
-12.78
-13.99
-15.19
-16.4
-17.6
-18.81
-20.02



T45-P225

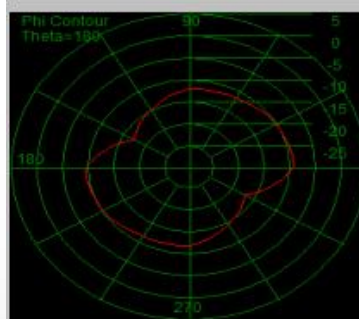
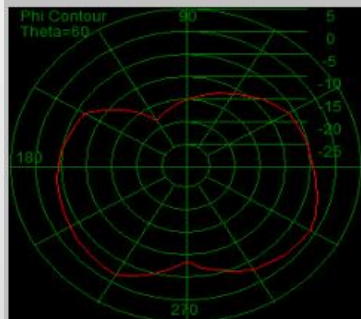
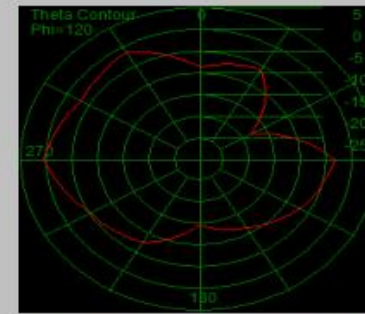
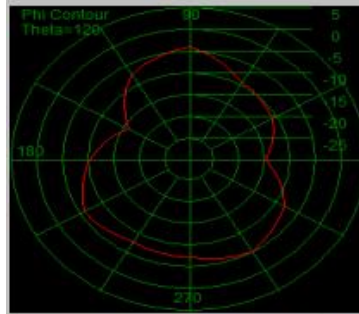
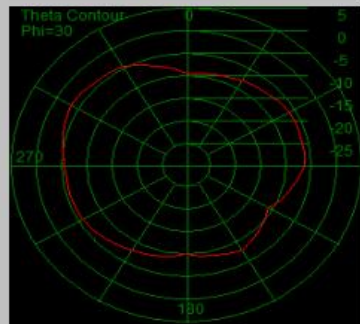
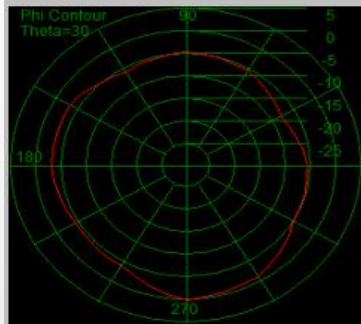
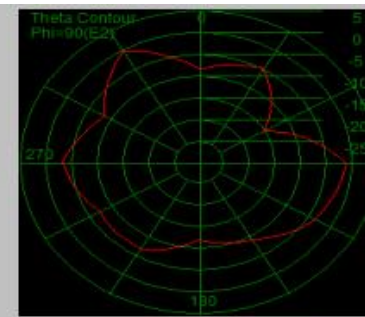
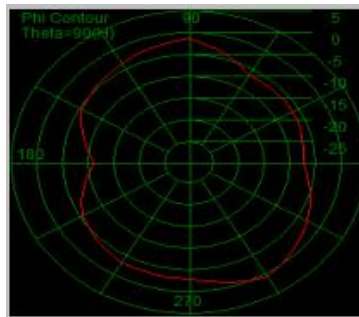
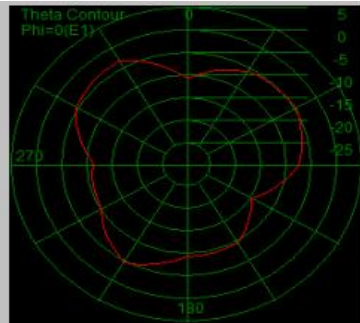
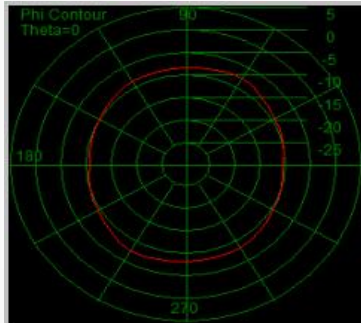


T0-P0

Coordination System Description:
Line Colr XYZ Theta-Phi
Red L. Axis X Theta90-Phi0
Green L. Axis Y Theta90-Phi90
Blue L. Axis Z Theta0

923MHZ Antenna Radiation Apple Plot and Radiation Pattern Plot

Passive -Freq 923.00MHZ



4、Mechanical Drawing

