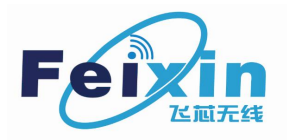


SPECIFICATION

Shenzhen Feixin Wireless Communication



深圳飞芯无线通讯有限公司

Shenzhen Feixin Wireless Communication Co., Ltd.

902-928MHz spring Antenna

Product specification

Customer		Frequency	902MHz——928MHz
R F design	XIAO BIN	Version	A1
Technical director	ANDY	date	2024-06-05

Customer confirmation:

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

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1、Product pictures

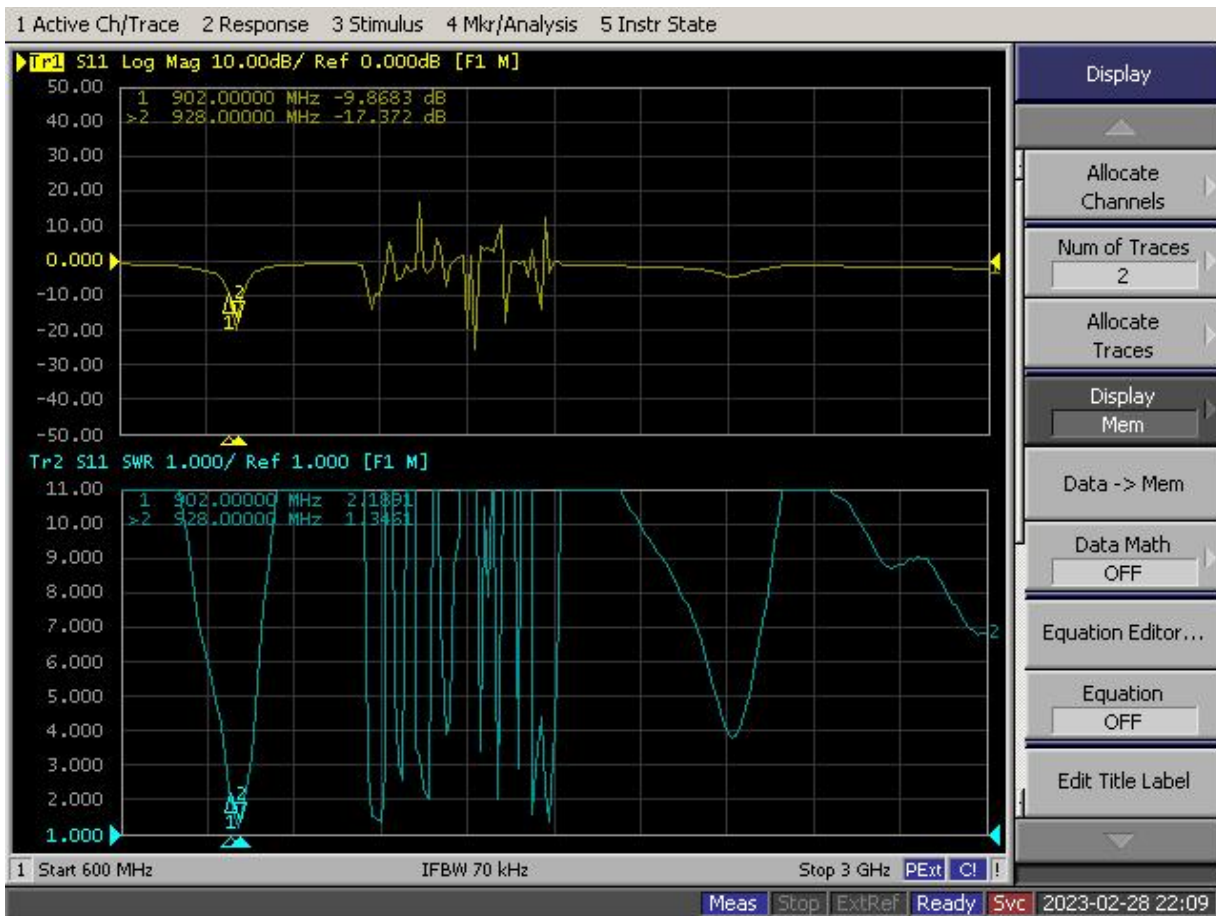


2、Product parameters

Product test parameter			
产品名称(Name)	WISUN ANT	产品型号(Model Type)	FX-902-928-TH-9T
电 性 能 指 标 (Electrical Specifications)			
频率范围 (Frequency Range)	902-928MHz	极化方式 (Polarization)	verticality
输入阻抗(Impedance)	50 Ω	辐射方向	omnibearing
驻波比 (VSWR)	≤ 3.0	功率容量(Power)	50W
增益(Gain)	1.32dBi	带宽 (Bandwidth)	20MHz
机 械 指 标 (Mechanical Specifications)			
尺寸 (Dimensions)	18.4*4.8 \pm 2	天线颜色(ANT Color)	dark yellow
连接器型号 (Connector)	sealing-in	引线长度(Cable Length)	\
天线材料 ANT Material	copper		
工作温度 (Working Temperature)	-40 $^{\circ}$ C-+85 $^{\circ}$ C	存放温度 (Limit Temperature)	-40 $^{\circ}$ C-+85 $^{\circ}$ C

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3. VSWR, Return loss and Smith data



4. Antenna passive test data:

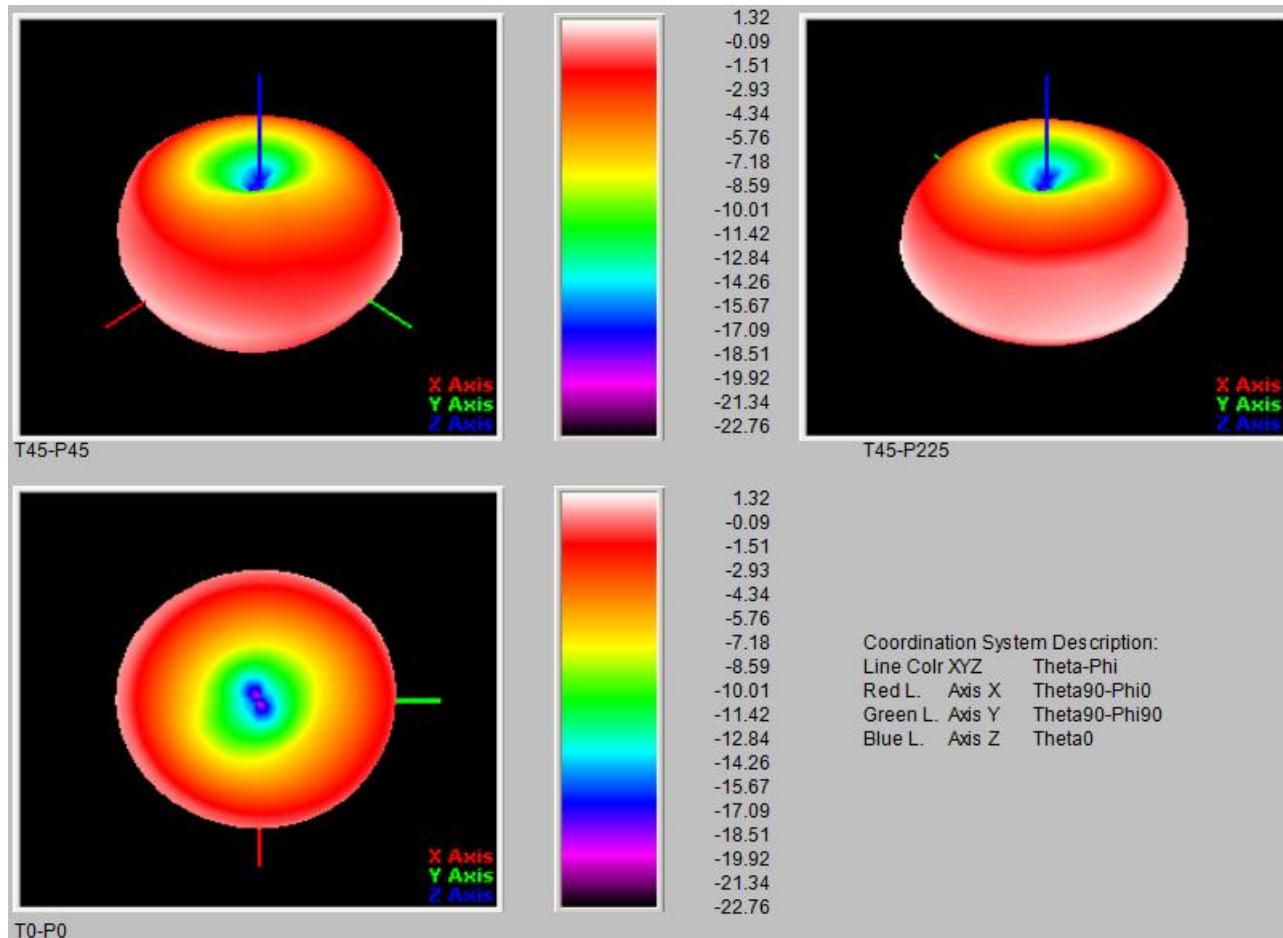
(1) Antenna efficiency and gain:

Test Point ID	Freq. (MHz)	Gain (dBi)	Efficiency (%)
<u>2</u>	902.0	0.89	46.6%
<u>3</u>	904.0	0.95	47.9%
<u>5</u>	908.0	1.07	50.0%
<u>7</u>	912.0	1.18	51.7%
<u>9</u>	916.0	1.32	53.8%
<u>11</u>	920.0	1.27	54.1%
<u>13</u>	924.0	1.21	52.3%
<u>15</u>	928.0	1.18	48.8%

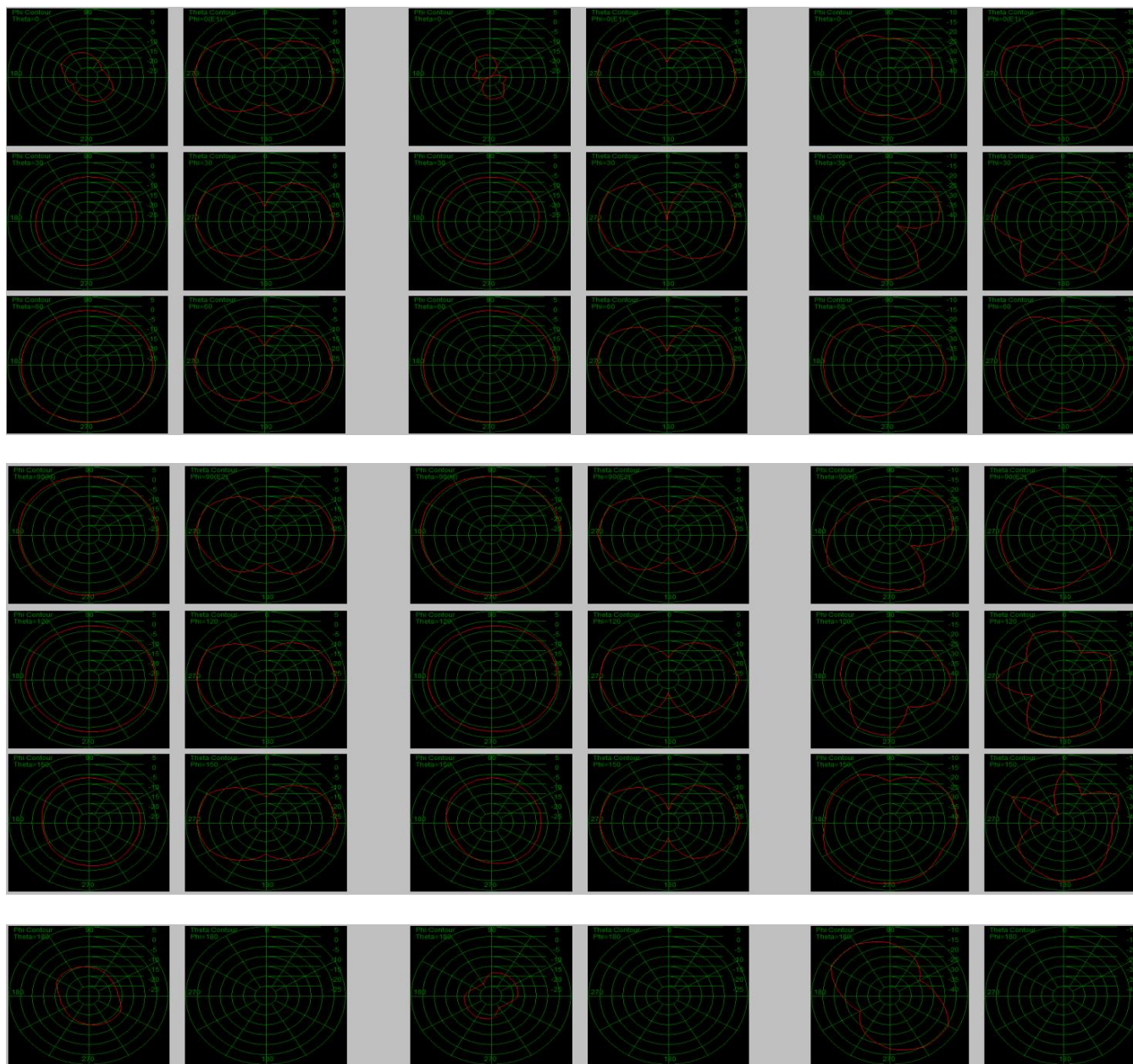
(2) Apple chart and direction chart

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 Shanghai Company: 202, Building 16, No. 618 Dingyuan Road, Songjiang District, Shanghai Tel: +86-021-52060235 Fax: +86-021-34711533

Passive - Freq2400.00 MHZ



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4、Product structure drawing

