

ShenZhen City FeiMin Technology CO., LTD.

SPECIFICATION FOR APPROVED

CUSTOMER:	Shenzhen Alya Technology Co., LTD		
PRODUCTS:	902-928 MHz antenna		
11000010.	JOZ JZO MIZ directifid		
PART NO:			
Spec. :	FM-S1585-electronic wire (95mm)		
Data:	2022. 10. 11		

	SUPPLIER	
PREPARED BY	PREPARED BY CHECKED BY	
Yuwei Fang	Xingxi Xia	Dongdong Ma

	CUSTOMER	
ACCEPTED BY	CHECKED BY	APPROVED BY

REMARK: Please send us one (or copy) of this approval with stamp after accepting, other copies filed by the customer.

ADD:Room 303, Building C, Hengnan one Road, Gushu community, Xixiang Street, Bao'an District, Shenzhen

City

Tel: 0755-23035723 Fax: 0755-23036702 E-mail: ant001@fmant.cn HTTP: www. fmant.cn

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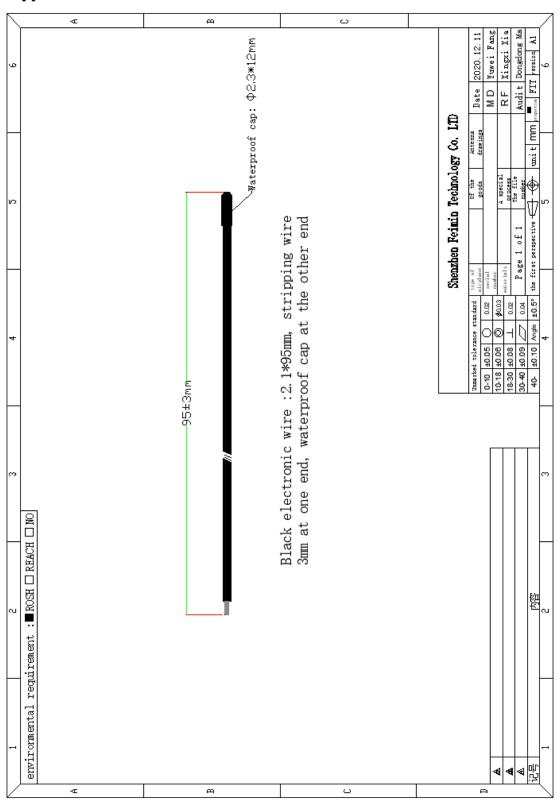
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Revision history

version	Date	state
A1	2020-09-24	first edition

1. Project Information

1.1. Appearance and Dimensions



1.2. picture of real products

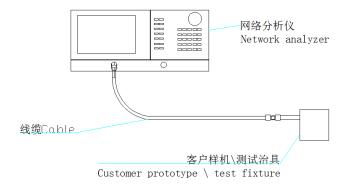


2. Electrical Characteristics

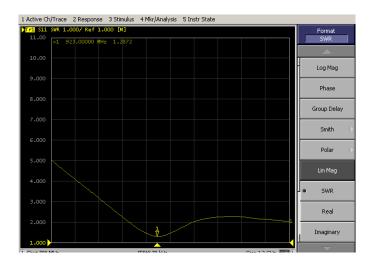
2.1. Test Environment Conditions

Temperature	Ordinary Temperature (5 to 35℃)
Humidity	Ordinary Humidity (25 to 85% RH)

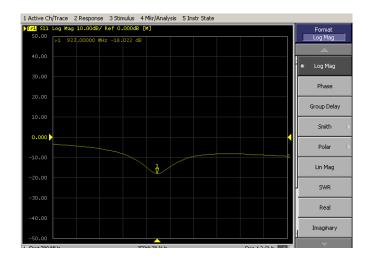
2.2. Measurement method



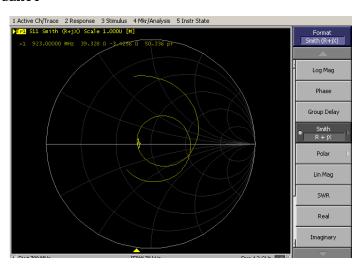
2.2.1. VSWR



2.2.2. Log Mag

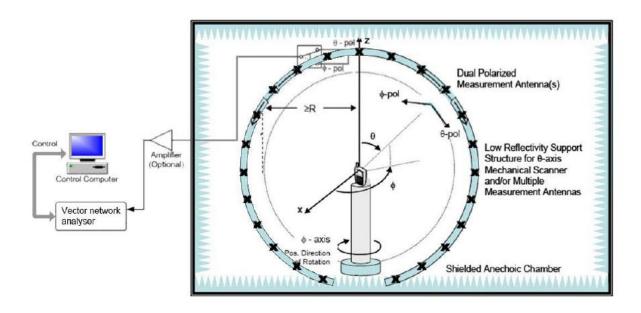


2.2.3. Impedance



2. 3. Efficiency and Gain

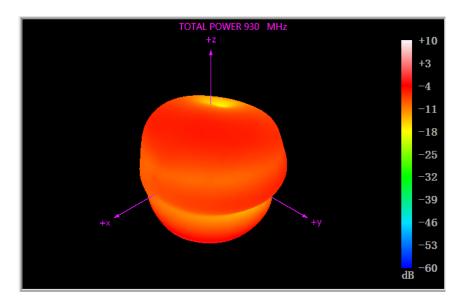
2.3.1. Test system



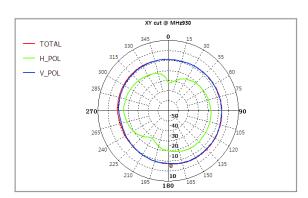
2.3.2. No-source test data

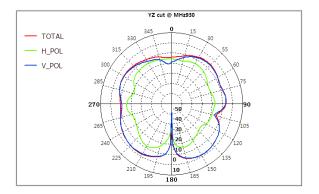
Frequency (MHz)	Gain (dBi)	Efficiency (%)
902 MHz	-0.96	27.34
904 MHz	-1.06	26.73
906 MHz	-1.17	26.12
908 MHz	-1.04	25.28
910 MHz	-1.11	24.94
912 MHz	-1.2	24.68
914 MHz	-1.23	24.62
916 MHz	-1.29	24.44
920 MHz	-1.55	23.45
924 MHz	-1.62	23.27
928 MHz	-1.66	23.27

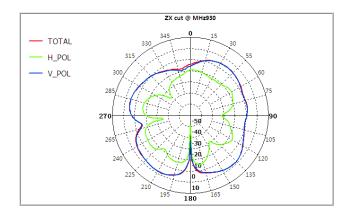
2.3.3. 3D Radiation Drawing



2.3.4. directional drawing of horizontal plane







3. Notes

- 1. When installing, it should not be too close to the metal part to avoid affecting the performance of the antenna.
- 2. This type of antenna is only applicable to this type. The position of the antenna can not be changed at will. If it is used on other machines, the effect will become worse, which has nothing to do with our company.

4. Reliability test

Project	Test methods and conditions	Specifications and Requirements	The experimenta I results	
Storage environment	Temperature, humidity, and air pressure are tested as follows when not specified: 1. Temperature is - 30 °C ~ + 80 °C 2. Relative humidity is 45%-85% 3. Atmospheric pressure is 86kPA-106kPa	There is no obvious change in appearance The electrical parameters conform to the specification error	ОК	
	The brine concentration was 50±10g/ L (about	Determination method: observe with 20 x		
Salt spray test	5%).PH6.5-7.2;The test temperature was 35±1℃.Corrosion time 16H.	magnifying glass after the test;No adverse oxidation;Pass the test	OK	
Drop test	Fell off at 1M onto a plank	There is no obvious change in appearance The electrical parameters conform to the specification error	ОК	

Drawing force test	Test the strength with the push-p meter instrument: ≥ 12N		ush-pull	There is no obvious change in appearance The electrical parameters conform to the specification error	
Constant temperature and humidity test	Temperature and humidity: 40 °C ±2 °C, 90-95%RH The duration of the: 4H Recovery time: 1 to 2H		: 40℃	There is no obvious change in appearance The electrical parameters conform to the specification error	
High and low temperature test	5 cycles were performed between 70 $^{\circ}\!$			There is no obvious change in appearance The electrical parameters conform to the specification error	
Transmissio n loss	1GHz 2GHz 3GHz 4GHz 5GHz	1. 987 2. 893 3. 621 4. 274 4. 827 5. 399	db/m	The loss values obtained by the tests are all lower than the standard values	

5. Product packaging specification

The product name:902-928MHz 天线 Antenna form: Electron wire				
Label requirements		_		
The inner label is about 5.50	-			
The outer label length is abo	out 6. ocm and	4. 4CM		
For your Shenzhen Feimin	The customer n	ame		
answer Technology Co. LTD	For your answe	r Shenzhen F	Feimin Technology C	o. LTD
The product *****	The order no.	******	***	
name	Material code	******	***	
Material code ********	specifications	*****	The product name	*****
specifications *******	quantity	*****PCS	inspection	
quantity ***PCS	Spare parts	*** PCS		
Job description: 1 Product with PE open bags, each bag with				
sealing In case of movement, if the FCL is not filled to avoid transportation A condition that causes product defects in		with foam co	etton #£	描 T