

PRODUCT SPECIFICATION

Customer:

Customer's part number:

Product description: **FM Antenna**

Uni Link's part number: Antenna FM external

Issue Date: 2023-5-20

Customer Use		Customer's authorized signature	Remarks
Full approved			
Conditional approved			
Rejected			

一. working conditions

Temperature: $-35^{\circ}\text{C} \sim +80^{\circ}\text{C}$

Humidity: 0% \sim 95%

二. Storage conditions

Temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Humidity: 0% \sim 95%

三. 天线 性能指标

项目	规格
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FM antenna	FM	
	Frequency range	FM:87.5~108MHz
	supply voltage	12-24V
	VSWR standing-wave ratio	≤ 3.0
	gain	FM: 8 ± 2 dB
	noise	≤ 3.0 dB
	impedance	$75 \pm 5\Omega$

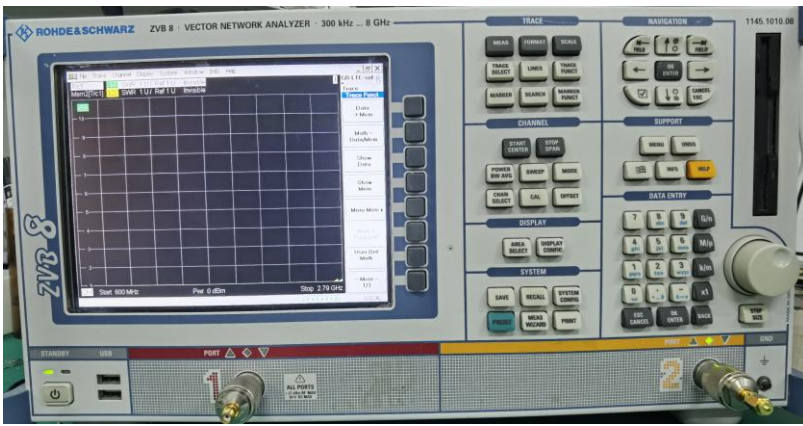
四.environmental test

1.hot test: Place it in a constant temperature and humidity test chamber with a temperature of 85 °C and a humidity of 95% for 24 hours, and check that there is no deformation in the appearance

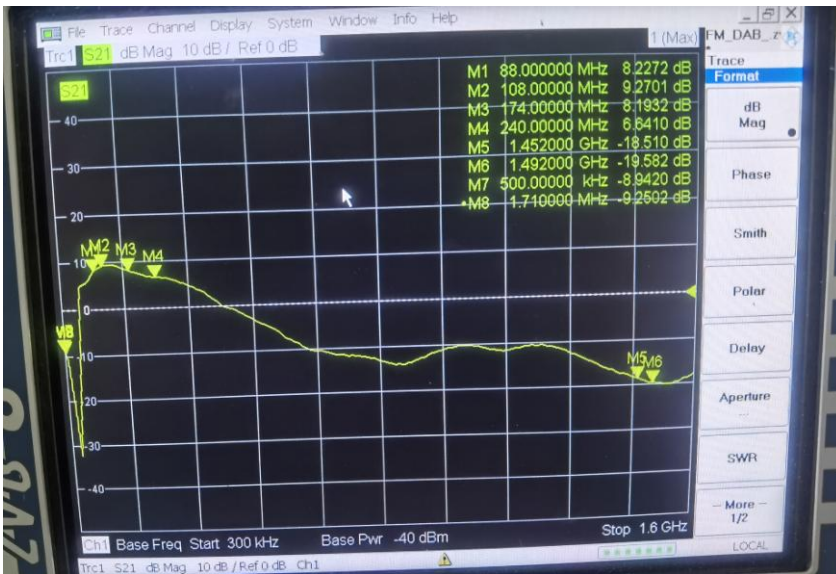
2. Low temperature test: Place it in a constant temperature and humidity test chamber at a temperature of -40 °C for 24 hours without deformation of the appearance

二、 test data:

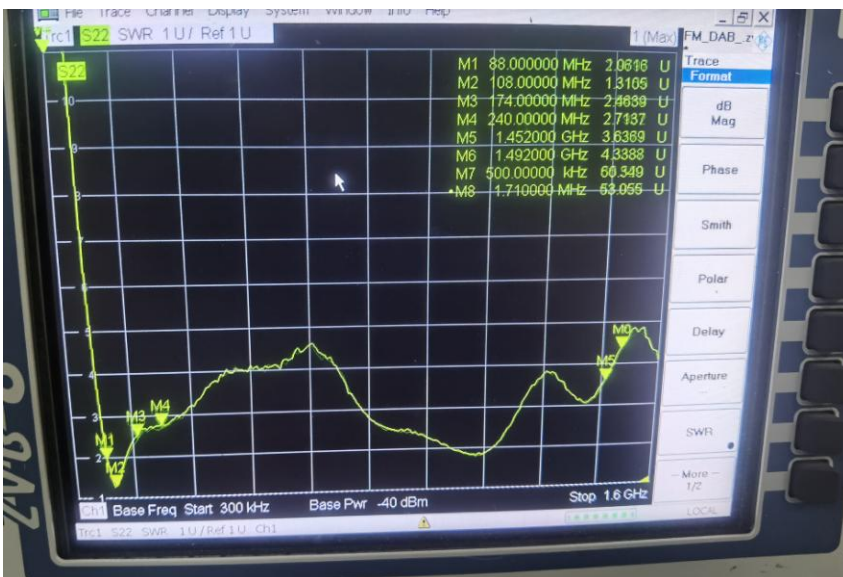
testing instrument: Rohde-Schwarz ZVB8



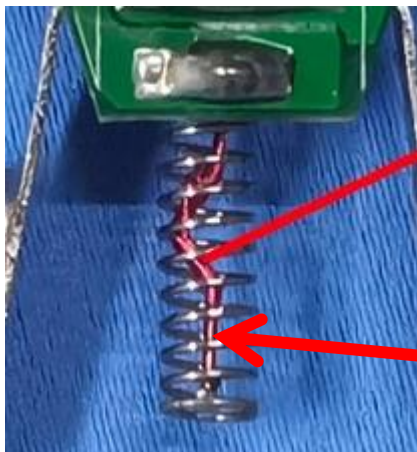
1.FM Gain test:



2.FM Standing wave test:



3. Actual Image:



length of antenna: 17mm