



# Shenzhen Jiexuntong Wireless Technology Co. LTD

## Antenna acknowledgment

**Customer name:** Baoneng Daktron

**Project model:** 902M

**Antenna frequency:** 908-920MHz

**Manufacturer:** Shenzhen Jiexuntong Wireless Technology Co. LTD

**Manufacturer Address:** 409, Building A, No. 30, Aviation Road,  
Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen

**Date of issue:** 2025-06-04

### Manufacturer acknowledgment column:

Project preparation	RF	structure	approve	Date

### Customer acknowledgement column:

confirm	audit	approve	Date



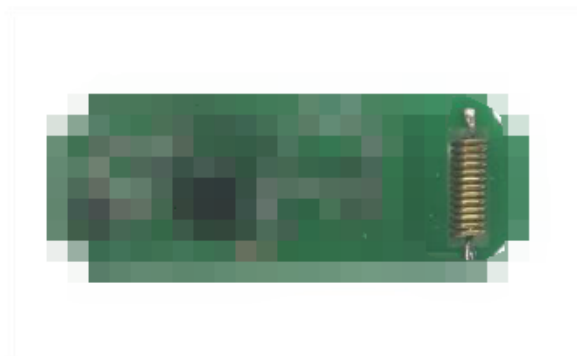
## 一、Antenna picture



## 二、Antenna assembly and environmental treatment

### 2. 1. Antenna assembly

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### 2. 2. Environmental treatment

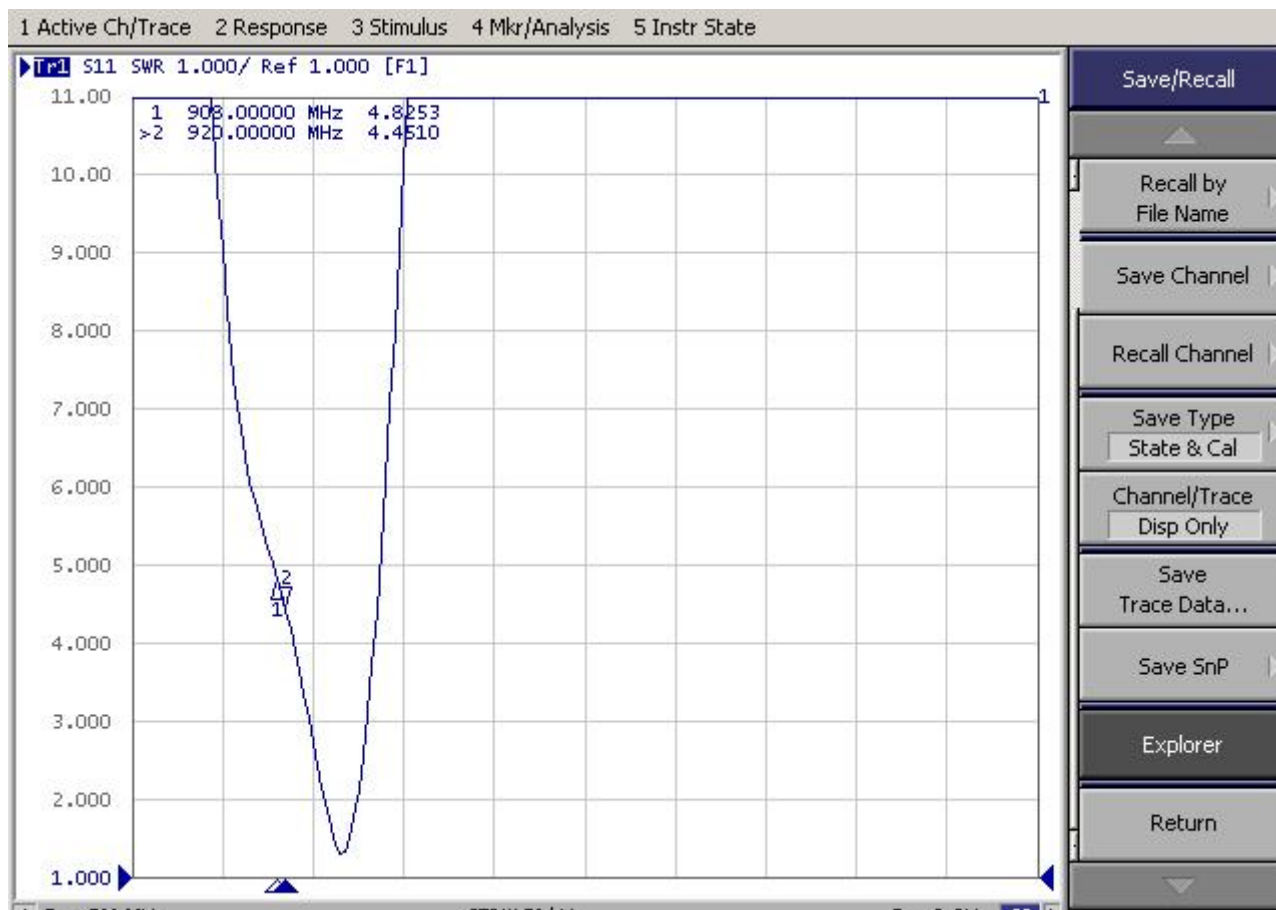
(No environmental treatment)

### 2. 3. Matching

(No modifications were made to the original match)

### 三、Electrical performance report

#### 3.1. VSWR



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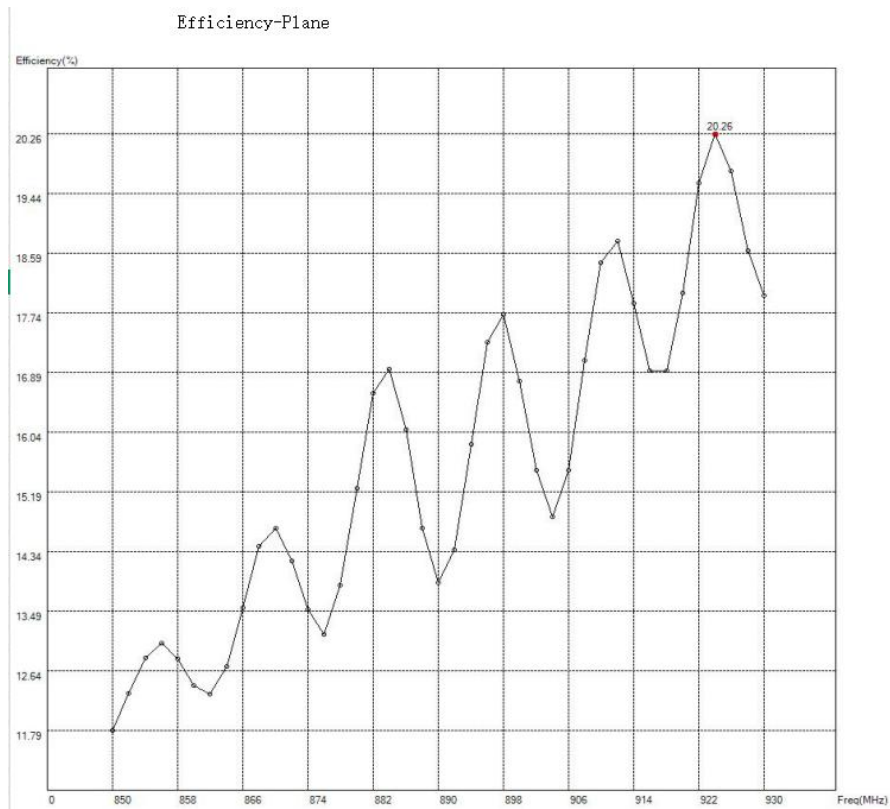


## 3. 2. Efficiency/ gain data

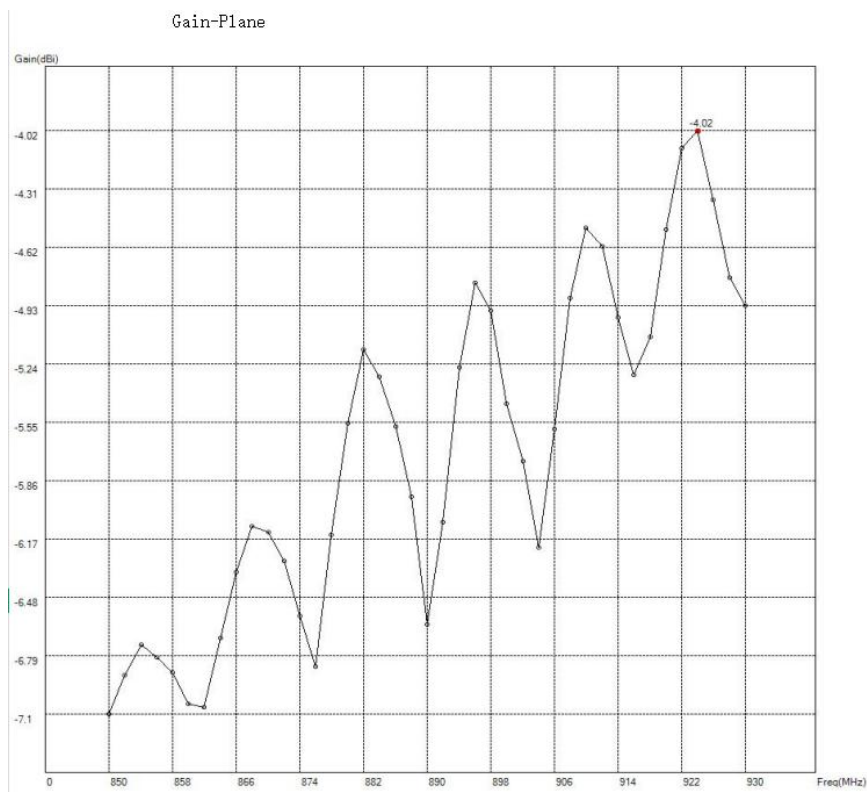
Freq (MHz)	Gain(dBi)	Efficiency (dB)	Efficiency (%)
850	-7.095085598	-9.286133598	11.7865483
852	-6.891471168	-9.097507547	12.30975035
854	-6.728482195	-8.922009649	12.81737336
856	-6.794567847	-8.851275868	13.02783991
858	-6.877299665	-8.923902292	12.8117888
860	-7.041497265	-9.058496269	12.420823
862	-7.060201024	-9.102176609	12.29652336
864	-6.692538505	-8.962341171	12.69889356
866	-6.344319487	-8.685969172	13.53328048
868	-6.105923092	-8.414475335	14.4063004
870	-6.137423936	-8.339174407	14.65826468
872	-6.287408534	-8.480261121	14.18972203
874	-6.57676127	-8.695879002	13.50243514
876	-6.845225746	-8.812459628	13.14480165
878	-6.147903398	-8.584664237	13.8526728
880	-5.558933436	-8.172918019	15.23029089
882	-5.174002263	-7.80683293	16.56977865
884	-5.313813122	-7.717507935	16.91411218
886	-5.579655021	-7.94151898	16.06379311
888	-5.948268691	-8.339993959	14.65549879
890	-6.622227902	-8.575530567	13.88183709
892	-6.082555676	-8.432288061	14.34733351
894	-5.265253856	-7.998895827	15.85296195
896	-4.822265045	-7.620176669	17.29745992
898	-4.969850162	-7.52232612	17.69161126
900	-5.460414713	-7.761414928	16.7439727
902	-5.763853716	-8.101218843	15.48382006
904	-6.215438685	-8.29299775	14.81495119
906	-5.590036209	-8.101212181	15.48384381
908	-4.900718887	-7.68339195	17.04750415
910	-4.529973588	-7.343642173	18.43468762
912	-4.629410898	-7.271997221	18.74132439
914	-5.005621878	-7.482367891	17.85513799
916	-5.307485663	-7.721614019	16.8981281
918	-5.10819146	-7.723749564	16.88982087
920	-4.539997496	-7.447543895	17.99888535
922	-4.113124315	-7.087276729	19.55565321
924	-4.017950387	-6.933670341	20.25969793
926	-4.383437843	-7.047081326	19.73748747
928	-4.795994794	-7.305019499	18.59936212
930	-4.941592046	-7.454747316	17.96905626

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### 3. 3. Efficiency line graph:

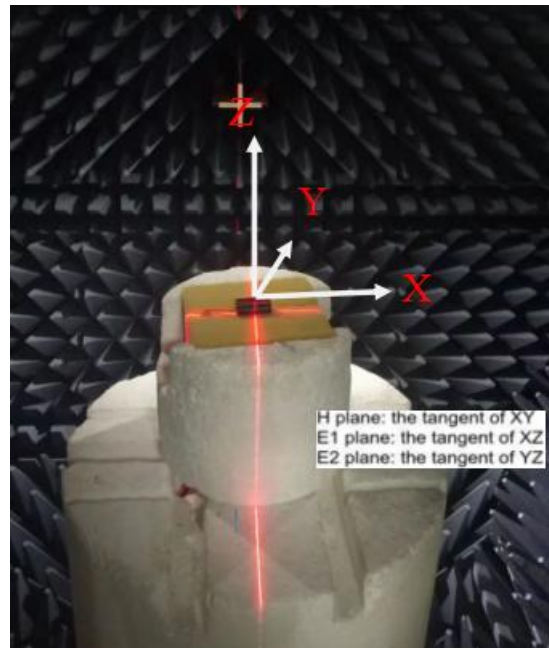


### 3. 4. Gain line graph:

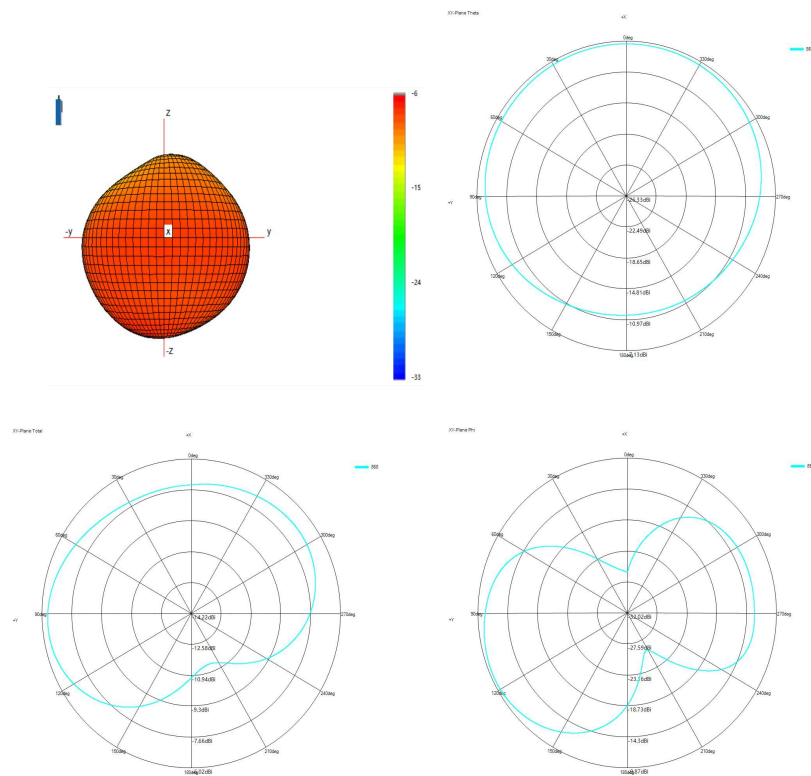


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### 3. 5. Field pattern diagram:



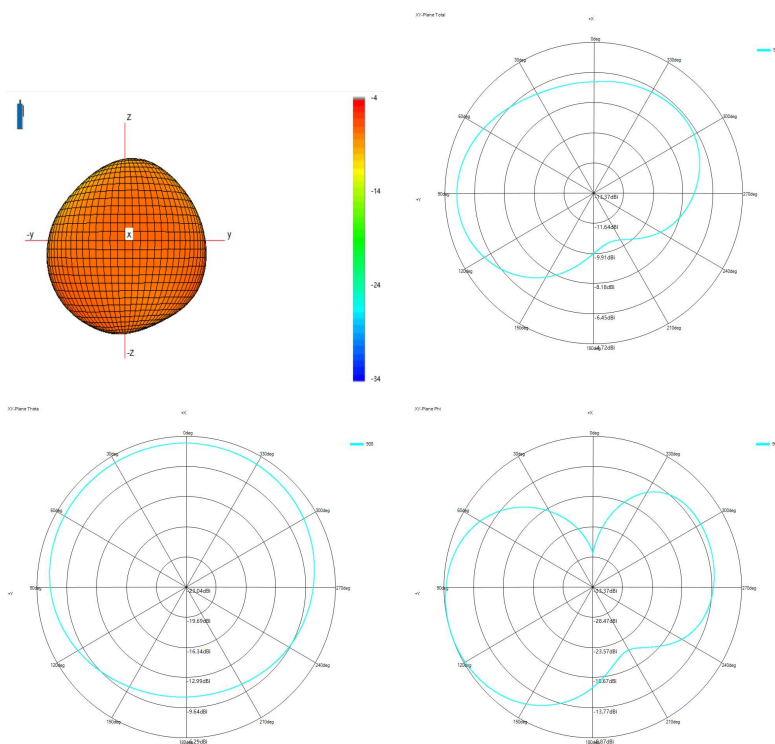
868MHz



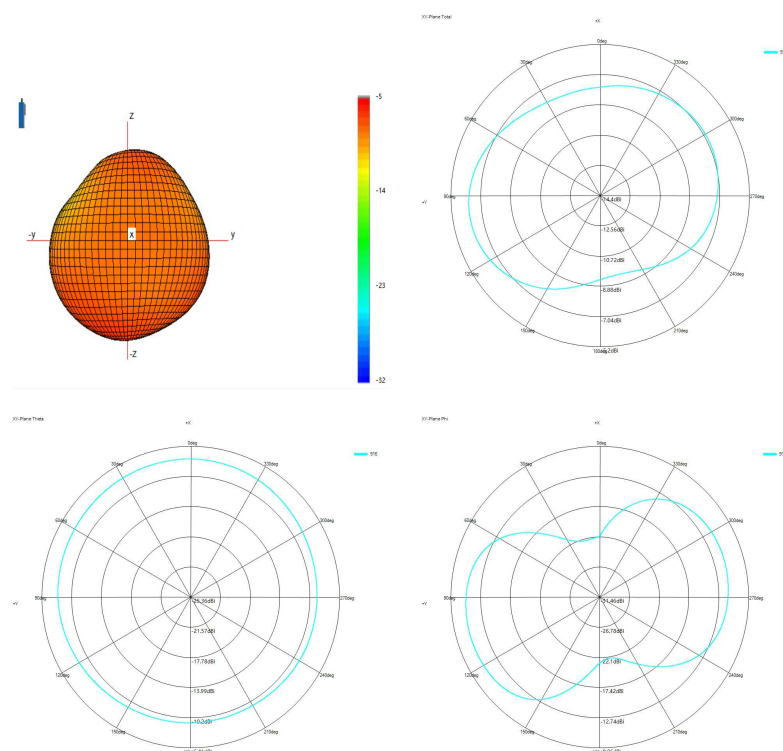
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908MHz

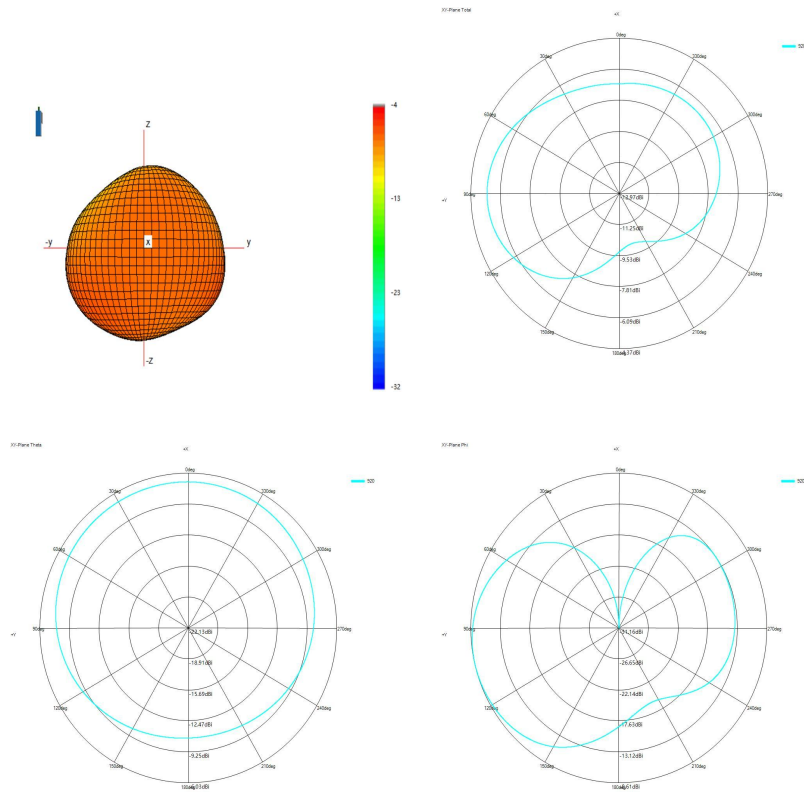


916MHz



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920MHz



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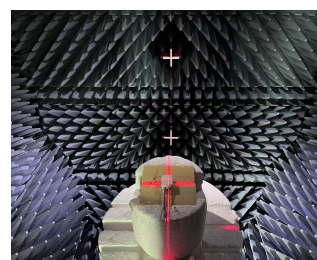
## 四、Reliability test report

### 4. 1. Salt spray test report

Guest house	Baoneng Daktron	Part name	<b>902M</b>	Date of completion	20230327
Test item	Test requirement			Measured result	evaluation
Neutral salt spray test	Experimental process: Neutral salt spray test was carried out on the hardware on the antenna. In the closed environment of $35\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$ , humidity > 85%, PH value within the range of 6.5-7.2, $5\% \pm 1\%$ NaCl solution was used. After continuous 24h brine spray, the surface of the product should be free from corrosion, discoloration, and coating peeling.			After the end of the experiment, the surface of the product has no rust, no discoloration, and the coating has no peeling.	PASS
Experiment: Wujiaxiong			Approved by: Wujiaxiong		

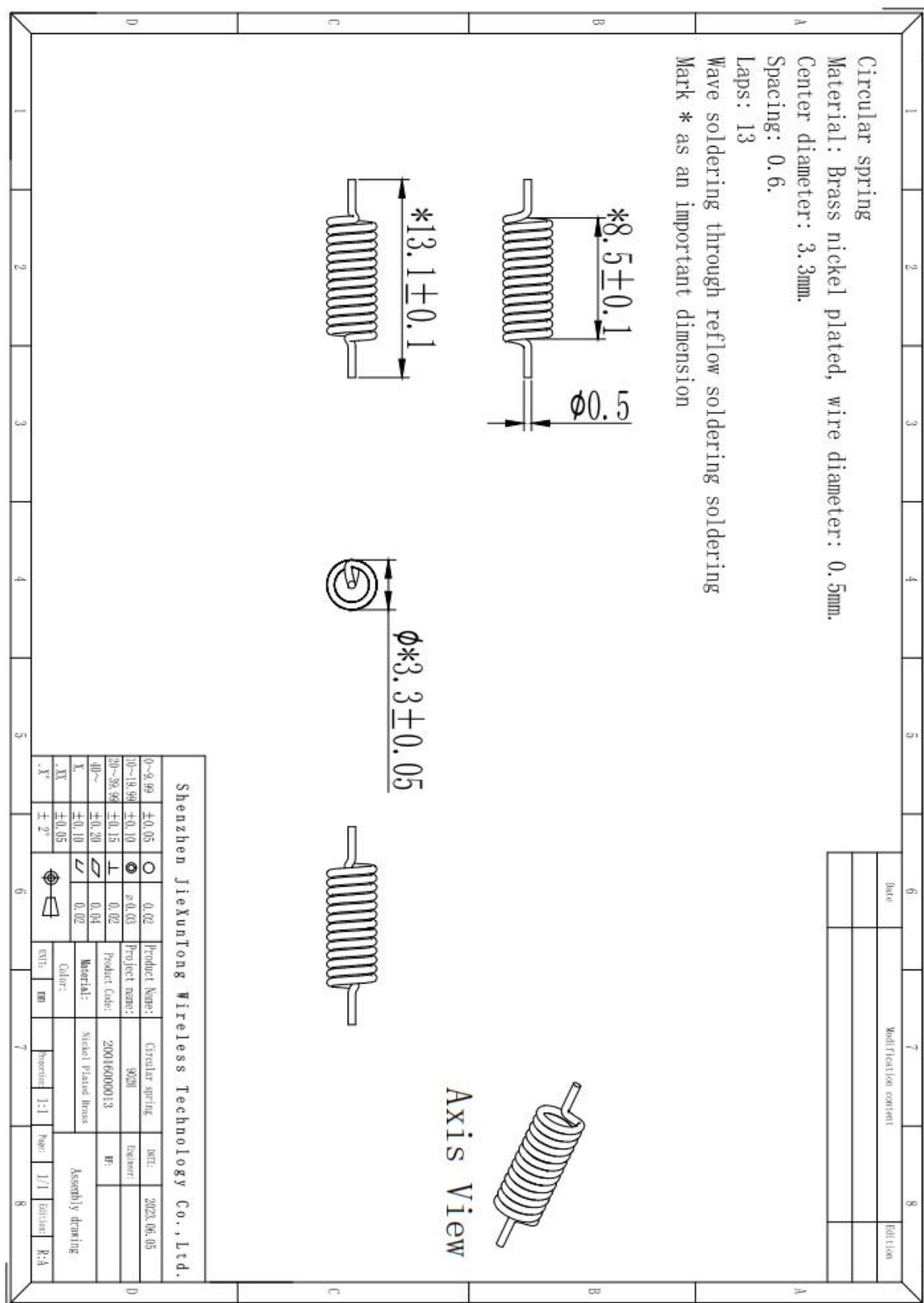


Antenna testing instrument



Darkroom test environment

# 五、Drawing



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