

 **GPS** 東莞市亨松電子科技有限公司

Hengxin Technology Inc.

## 承認書

|       |                       |
|-------|-----------------------|
| 客 戶:  | _____                 |
| 品 名:  | <u>433MHZ Antenna</u> |
| 料 號:  | <u>HX-P62</u>         |
| 客戶料號: | _____                 |
| 送樣日期: | _____                 |

Address: No. 75, Yanghe Road, Yanggongzhou, Shatian  
Town, Dongguan City

TEL : 0769-81663533 FAX: 0769-89361945

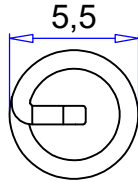
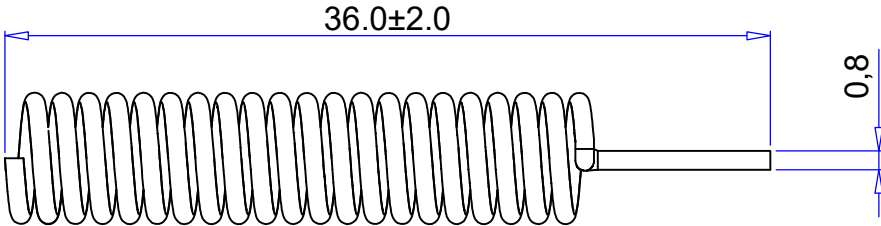
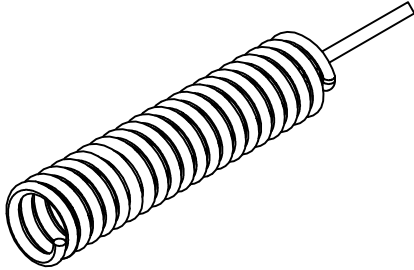
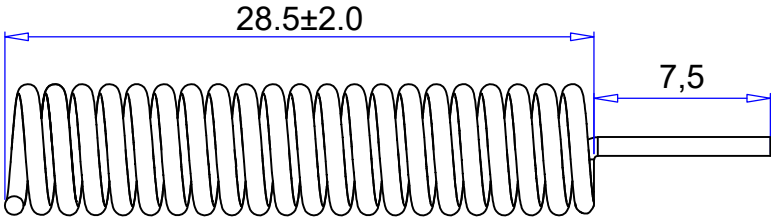
E-mail:nogps@qq.com

Http://www.nogps.cn

http://hxnogps.1688.com

RoHS  
Compatible

| 序号 | 日期 | 原因 | 确认人 |
|----|----|----|-----|
| B  |    |    |     |
| C  |    |    |     |
| D  |    |    |     |



## 弹簧技术要求

公差:

|        |      |        |        |
|--------|------|--------|--------|
| 弹簧材料   | 磷铜   | 线径     | 0. 8mm |
| 旋转方向   | /    | 旋转有效圈数 | 21T    |
| 出脚方式   | 中心直线 | 孔距     | /      |
| 弹簧上部尺寸 |      |        |        |
| 弹簧下部尺寸 |      |        |        |
| 弹簧高度   |      |        |        |

东莞市亨松电子科技有限公司

PART NAME: 433MHz弹簧天线

PART NO.: HX-B688 .W01

DATE: 2024-03-10

APPROVED BY

CHECKED BY

DESIGNED BY



Tolerance



张雅均

UNITS: mm

SCALE: 1/1

REVISION:A

X.X ±0.50

X.XX±0.15

X° ±3°

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- 2. Specification**
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- 4. Antenna Radiation Pattern**

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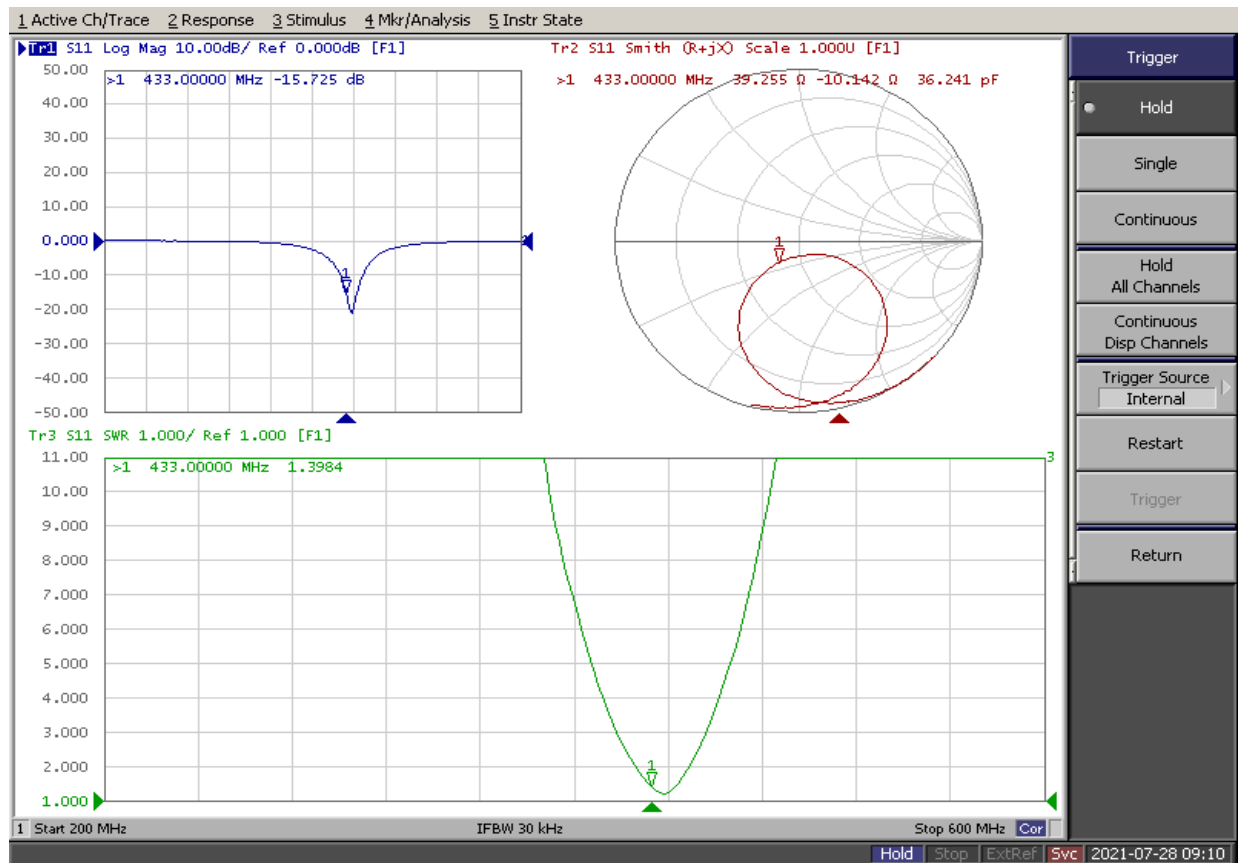
**1. Reliability Testing**

| <b>Test Item</b>                                | <b>Procedure</b>                                    | <b>Requirement</b>                                                       |
|-------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------------------------|
| <b>1. Visual inspection and Dimension Check</b> | Applicable methods using x5 magnification           | follow specification                                                     |
| <b>2. Rapid Changing of Temperature</b>         | -40°C (30minutes) to 90°C (30minutes);<br>24 cycles | After 2 hours recovery:<br>1. no visible damage<br>2. Freq. Tol.: < ±5%  |
| <b>3. Damp Heat</b>                             | 24 hours at 60°C;<br>90 ~ 95% RH                    | After 2 hours recovery:<br>1. no visible damage<br>2. Freq. Tol. : < ±5% |
| <b>4. Endurance</b>                             | 24 hours at 90°C                                    | After 2 hours recovery:<br>1. no visible damage<br>2. Freq Tol.: < ±5%   |

## Specification

| A. Electrical Characteristics            |                                       |
|------------------------------------------|---------------------------------------|
| Working Frequency                        | 433 MHz                               |
| V.S.W.R.                                 | < 2.0 @                               |
| Typical Antenna Gain                     | Peak Gain :0dBi<br>Average Gain :0dBi |
| Polarization                             | Linear\Horizontal                     |
| Impedance                                | 50 Ohm                                |
| B. Material & Mechanical Characteristics |                                       |
| Material of Radiator                     | Spring Line                           |
| Material of Plastic                      | Body:Spring antenna                   |
| Material of Coaxial Cable                | RG1.13                                |
| Connector Type                           | sma                                   |
| C. Environmental                         |                                       |
| Operation Temperature                    | - 30 °C ~ + 85 °C                     |
| Storage Temperature                      | - 30 °C ~ + 85 °C                     |

## 2. S Parameter Test Data



**3. We, Dongguan Baolicheng Electronics Technology Co., Ltd, states that All measurements were performed radiated and therefore additional antenna gain documentation is not required.**