

Product specification recognition letter

Product name: P30-transmitting antenna
P30-transmitting antenna

PRODUCT NAME

Product name:

Customer name: Hantao

CUSTOMER NAME



Customer name: Hantao

Customer part number: ANTP30-001
MATERIAL CODE

CAS number:

Shenzhen Zhongke Wireless Co., LTD

Shenzhen ZHONGKE Mireless Co., LTD

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| The department that publishes the article | Research and development department | | date of issue | 18.05.04 |

1. Purpose

The specifications and test methods of the mobile communication terminal antenna products produced by Shenzhen Zhongke Wireless Co., Ltd. are standardized to avoid errors caused by different test conditions and methods.

2. Overview of product categories and models

2.1 Product model overview

This report mainly summarizes the electrical results of the antenna designed for the P30-transmitting antenna project. The antenna is designed for the following frequency bands: 433.92Mhz band.

3. Description of basic parameters and experimental equipment

3.1 Basic parameters

| Electrical performance index of products | |
|--|-----------------------------|
| Working frequency range | 433.92MHZ |
| standing-wave ratio | 433.92MHz: < 7 |
| antenna gain | 433.92MHz: -7.5dBi ± 0.5dBi |
| radiation efficiency | 433.92 MHz: > 0.3% |
| impedance | 50 ohm |
| Product material description | |
| spring | yellow metal |
| | |
| Product environment description | |
| working temperature | - 30℃ ~ + 85 °C |
| Storage temperature | - 30℃ ~ + 85 °C |

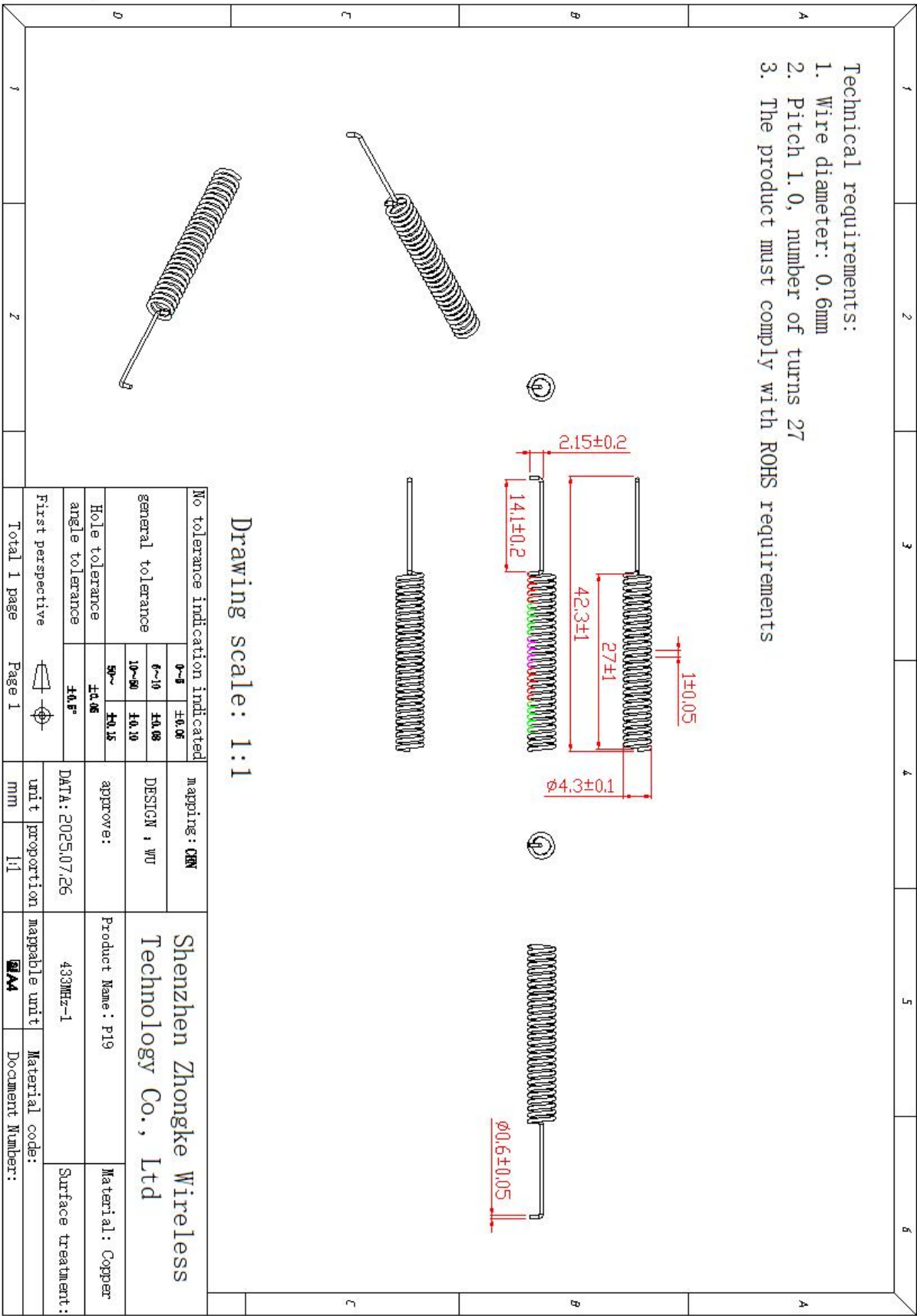
3.2 Description of experimental equipment

| List | Testing project | Equipment |
|-------------------------------|---|---|
| 1. S Parameters | 1.Return loss 2. VSWR at | Network analyzer: Agilent 8753ES |
| 2. Coupling power test | 1. Transmission power 2. Receiving sensitivity | Comprehensive tester: Agilent 8960 E5515C |
| 3. Radiation pattern and gain | 1. Radiation pattern 2. Antenna gain | 1. Darkroom: 4x4x4 m (3D) 2. Network analyzer : Agilent E5071C |

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4.1 Product 2D structure diagram and notes



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