

# Product specification recognition letter

**Product name: P19-transmitting antenna**  
**P19-transmitting antenna**

PRODUCT NAME

**Customer name: Hantao**

CUSTOMER NAME

**Customer part number: ANTP30-001**  
**MATERIAL CODE**

**CAS number:**

**Product name:**



**Customer name: Hantao**

**Shenzhen Zhongke Wireless 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 P19-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:- 6.5dBi ± 0.5dBi
radiation efficiency	433.92 MHz: > 0.5%
impedance	50 ohm
Product material description	
spring	yellow metal
Product environment description	
working temperature	- 30℃ ~ + 85 ℃
Storage temperature	- 30℃ ~ + 85 ℃

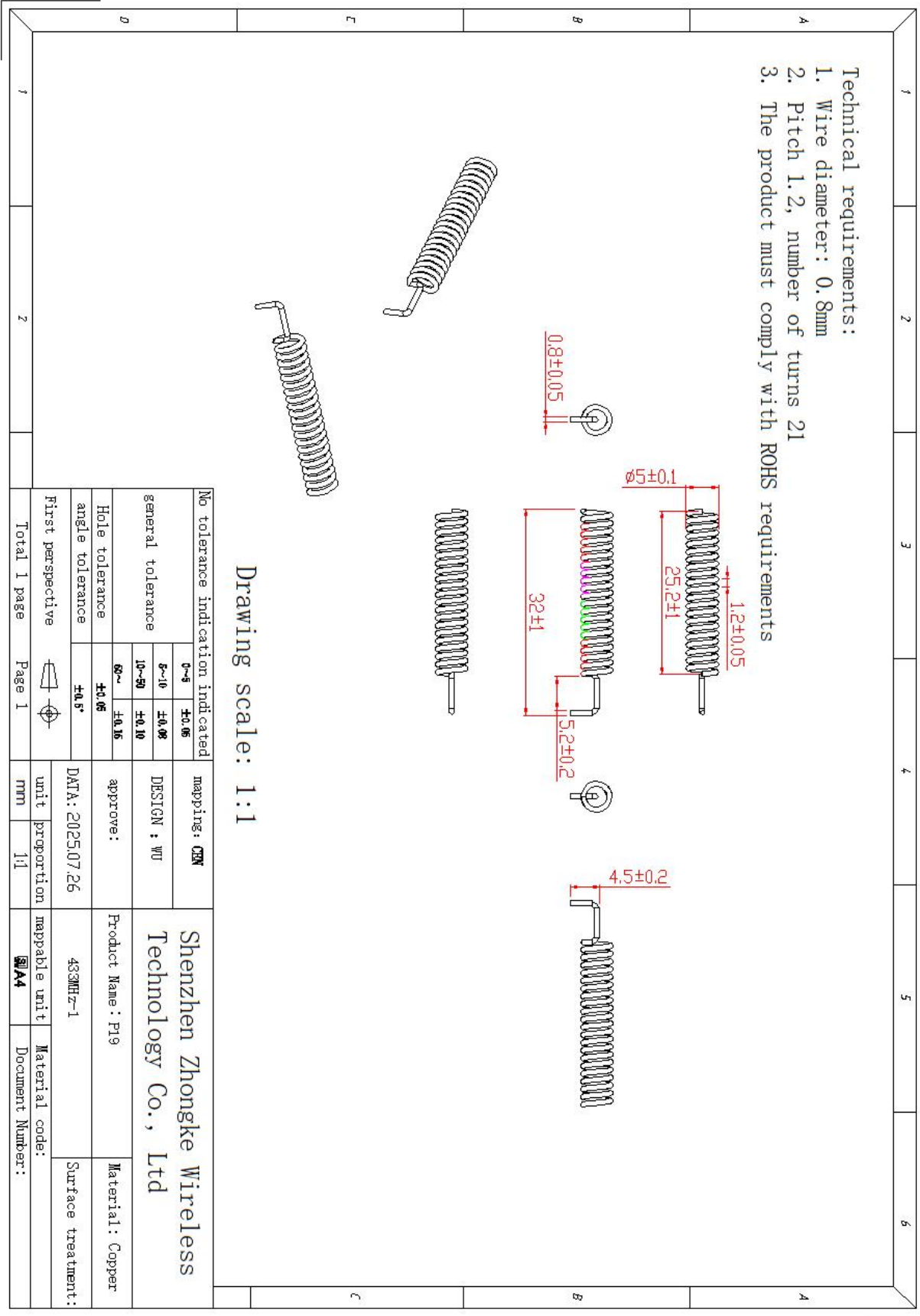
3.2 Description of experimental equipment

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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