

Antenna Specification

Manufacture: Shenzhen JINGSONG Technology Co., LTD

Product Name: SC162-WCD3 433M Antenna

Antenna Type: Spring antenna

Test Date: 2023.08.21

Tested by: 吴锡春/Xichun Wu

Approved by: Licco

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1. General Description

Manufacturer	Shenzhen JINGSONG Technology Co., LTD
Address	402, Building G, Haoguanjia Enterprise Park, Xiaolong Road, Dalang Street, Longhua District, Shenzhen, China
Test Location	402, Building G, Haoguanjia Enterprise Park, Xiaolong Road, Dalang Street, Longhua District, Shenzhen, China
Product Name	SC162-WCD3 433M Antenna
Product model	SC162-WCD3 433M Antenna
Antenna Type	Spring antenna
Test Items	Gain; Efficiency; Radiation Pattern
Test Frequency	433MHz
Test Standard	ANSI/IEEE Std 149-1979

2. Test Configurations

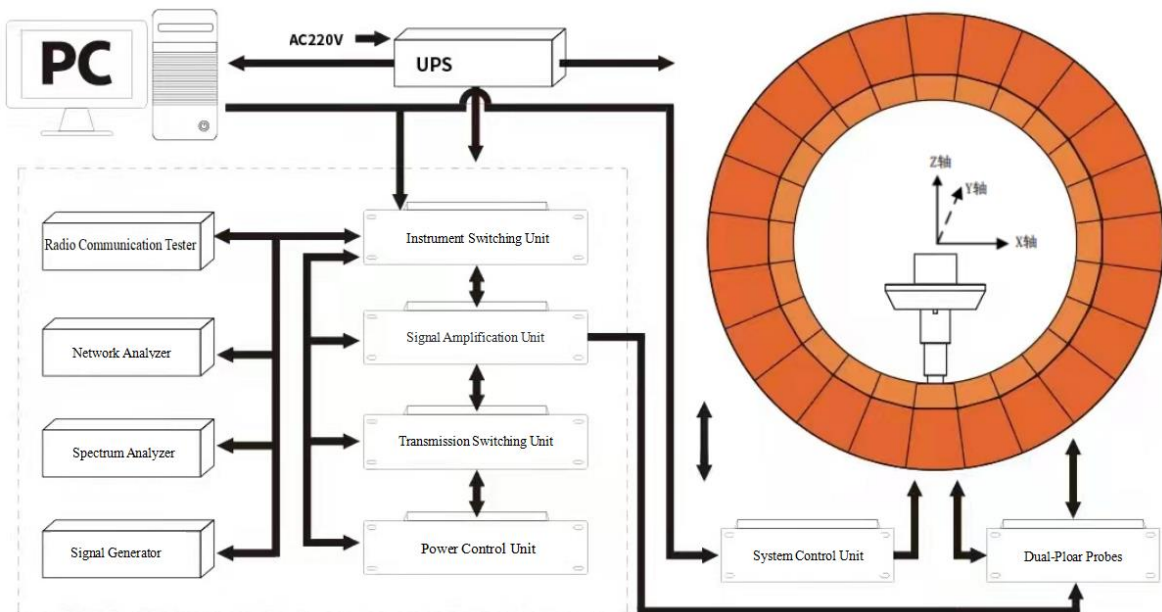
2.1 Test Environment

Temperature (°C)	25
Humidity (%RH)	60
Atmospheric Pressure (kPa)	100.5

2.2 Test Equipment

Test System	TEM 24 Multi-probe Microwave Chamber
Test Instrument	Agilent E5071B

2.3 Test Principle

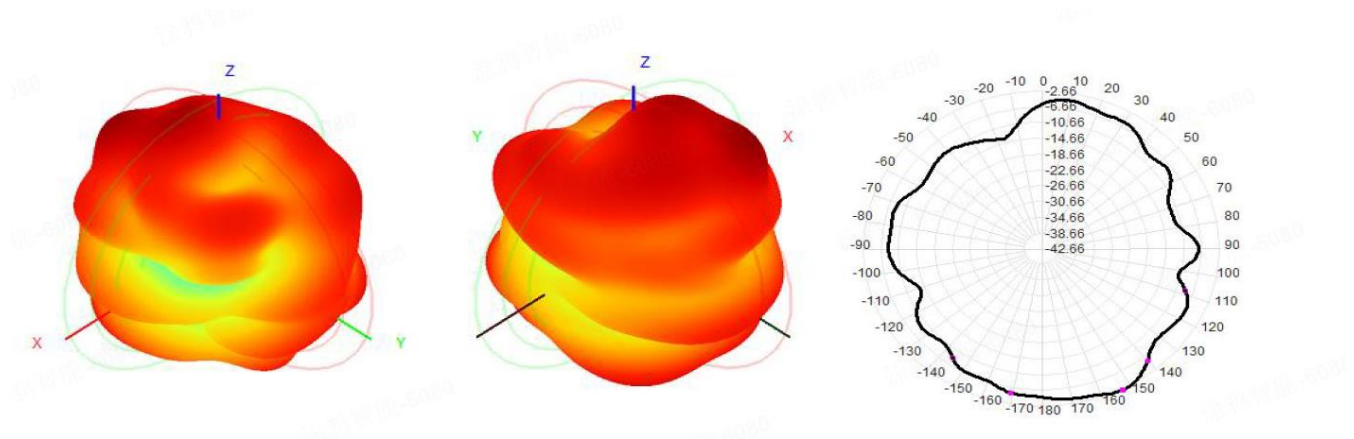


3. Test Results

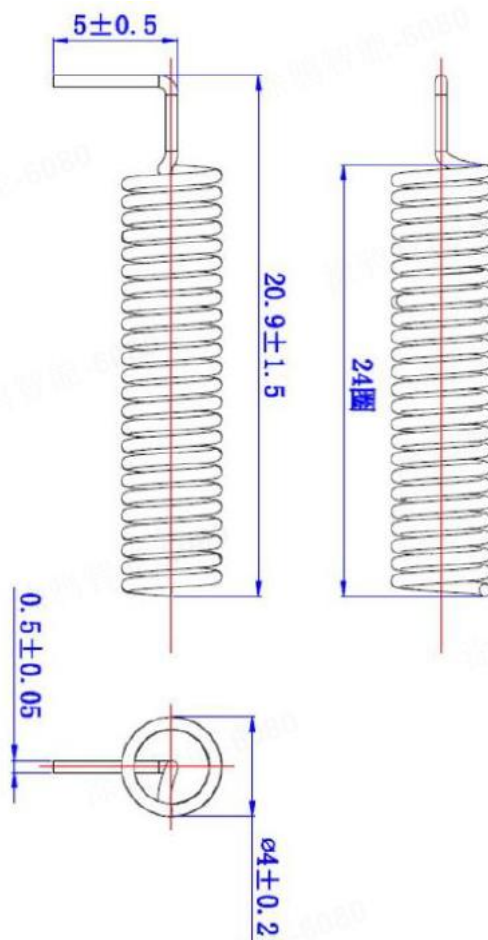
3.1 Gain and Efficiency

433MHz		
Freq(MHz)	Efficiency (%)	Gain (dBi)
430	10.6	-2.11
431	10.7	-2.45
432	10.3	-2.31
433	10.5	-2.01
434	10.7	-2.05
435	10.8	-2.08

3.2 Radiation Pattern



4. Antenna Dimensions



5.EUT Photo



6. Test Setup Photo

