

产品规格承认书

Product specifications
acknowledgment

承认厂商: _____

(Recognized manufacturers)

制造厂商: Shenzhen Bat Wireless Technology Co., Ltd

(Manufacturer)

产品名称: 433 Spring Antenna

(Description)

Add: 1409, Building A, Zhiyun Industrial Park, No.13 Huaxing Road, Henglang Community, Dalang Street, Longhua District, Shenzhen

产品选型表:

(Product Type)

型号	说明	备注
BW433SNX32-6W5	433 磷铜天线	圈数 20 线径 0.8 圈经 5.5

供应商承认签栏

制表者	审核者	核准者

客户承认栏

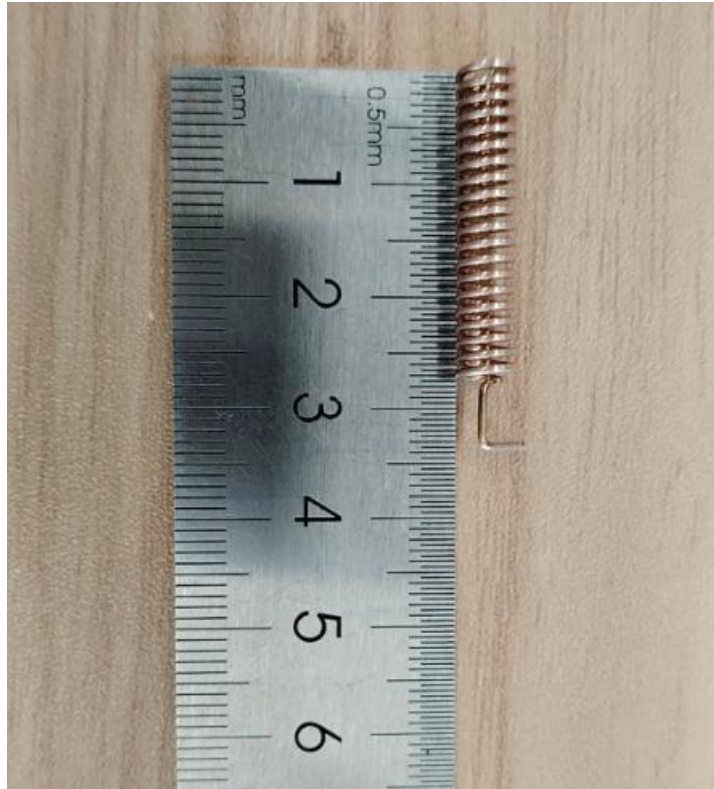
审核者	核准者

1.1 Specifications

天线型号 Antennas Type	BW433SNX32-6W5
频率范围 Frequenc Range (MHz)	433
输入阻抗 Input Impedence (Ω)	50 Ω
电压驻波比 V.S.W.R	<2
增益 Gain (dBi)	2dBi
极化形式 Polarization Type	垂直 Vertical
功率容量 Power Capacity (w)	50
雷电保护 Lingtning Protection	None
工作电压 DC Voltage (V)	None
天线尺寸 Dimension (mm)	32x6
接口形式/Connector Type:	None
电缆型号 Cable type (mm)	None
电缆长度 Cable length (mm)	None
辐射体 Radiator	磷铜
天线颜色 Color	铜色
重量 Weight (g)	None
工作温度 Operating Temperature ($^{\circ}\text{C}$)	-40~80
储藏温度 Storage Temperature ($^{\circ}\text{C}$)	-20~85

*注：以上数据仅供参考；因天线功能较为敏感，主体周边机构有变更请通知我们评估。

1.2 Antenna Picture



上图型号: BW433SNX32-6W5

(定制客户中间连接线长度定制, 天线形状定制)

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2. Electrical Specification

2.1 Test Equipment

- A. VSWR and input impedance: Agilent 8753/E5071 Network Analyzer
- B. Antenna gain and efficiency: ETS three-dimensional anechoic chamber

2.2 Test Setup

2.2.1 Frequency Range

2.2.2 VSWR

Step 1: The antenna is arranged on the customer provided test fixture.

Step 2: The VSWR of the antenna is measured via Agilent 8720/8753 Network Analyzer (see figure. 1).



Figure.1

2.2.3 Radiation pattern and Gain

- A. The 3D chamber provides less than -40dB reflectivity from 800MHz to 6GHz and a 40cm diameter spherical quiet zone. The measurement results are calibrated using both dipoles and standard gain horns (see figure. 2).
- B. The antenna under tested is arranged in the turned table and a decoupling sleeve is used to reduce feed line radiation (see figure. 3).
- C. The measured results of the radiation patterns and antenna gain are obtained from the control system and showed on the monitor (see figure. 4 and 5).

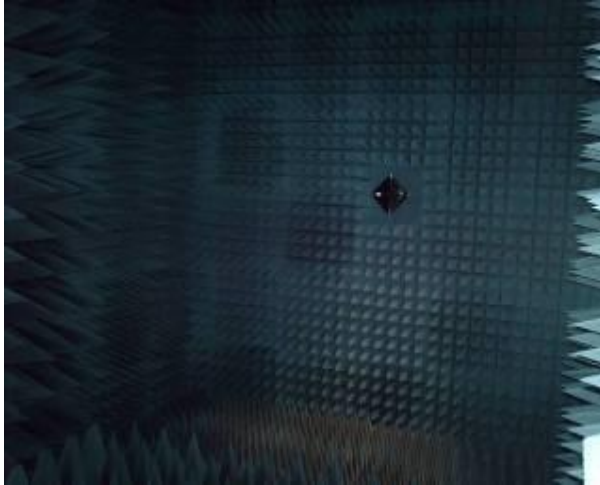


Figure.2



Figure.3

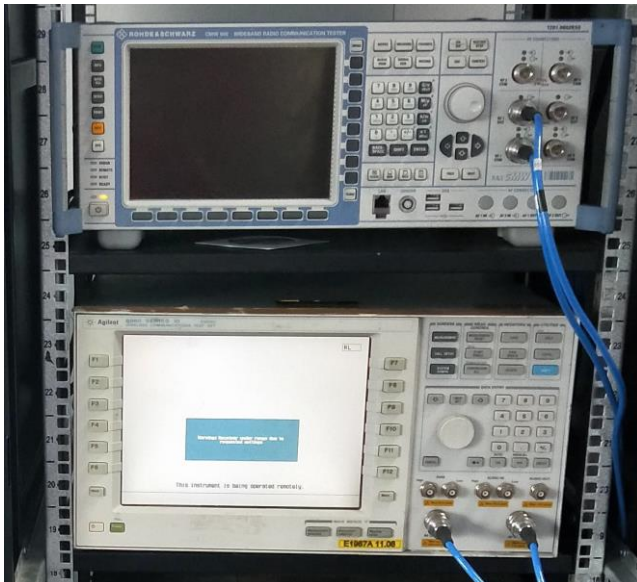


Figure.4

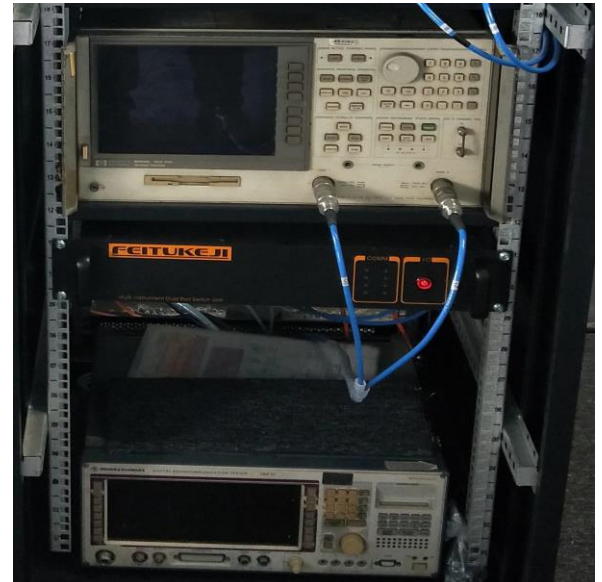
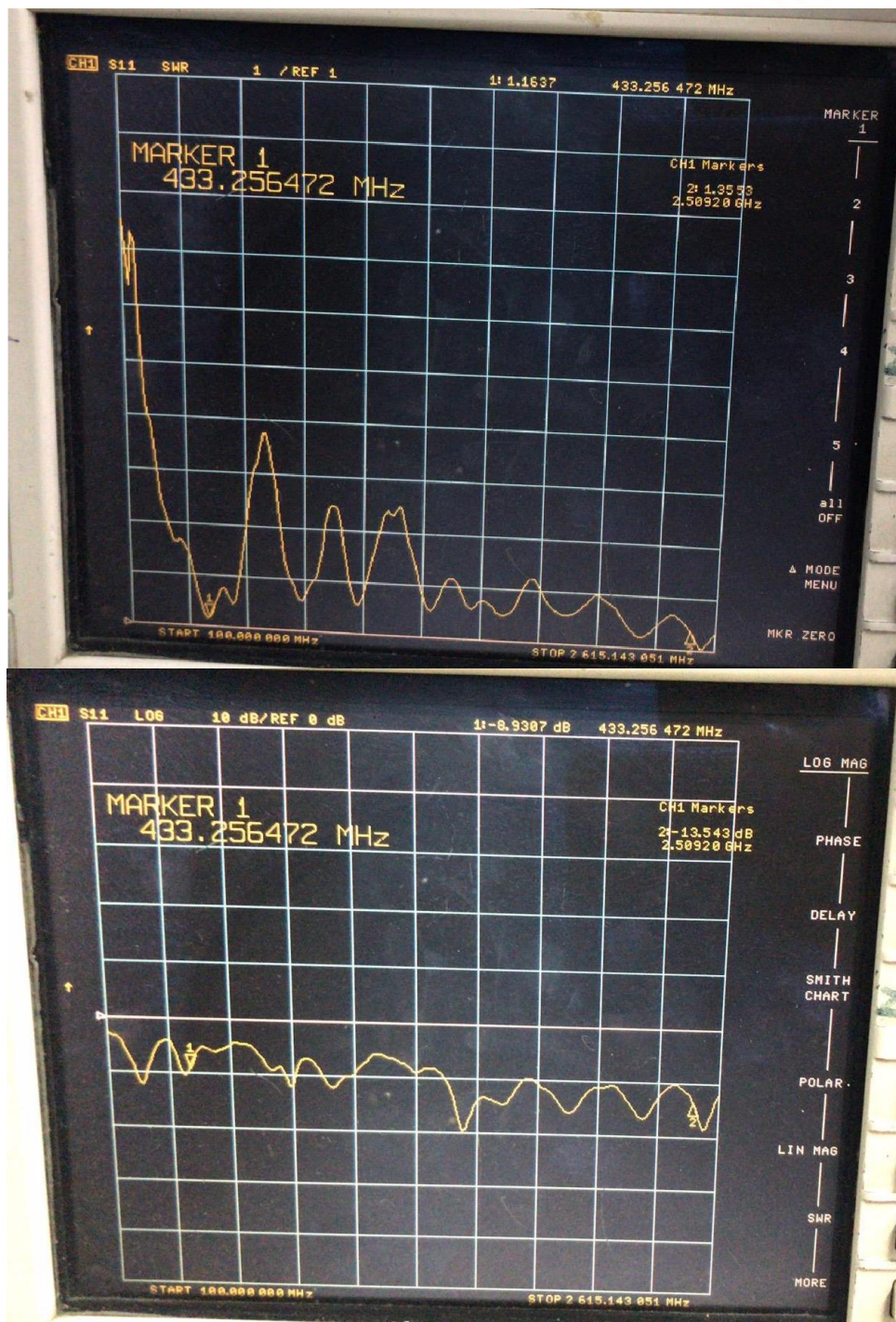


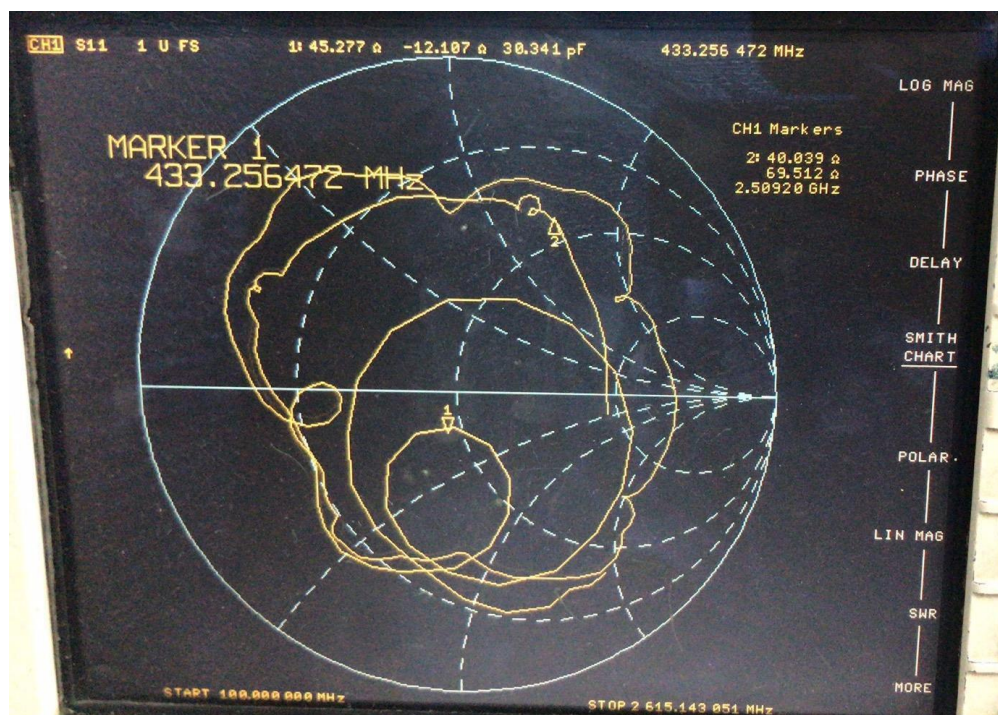
Figure.5

3. Performance Data

3.1 Passive data

VSWR (电压驻波比) / Return Loss (回波损耗) / Smith Chart (史密斯圆图)

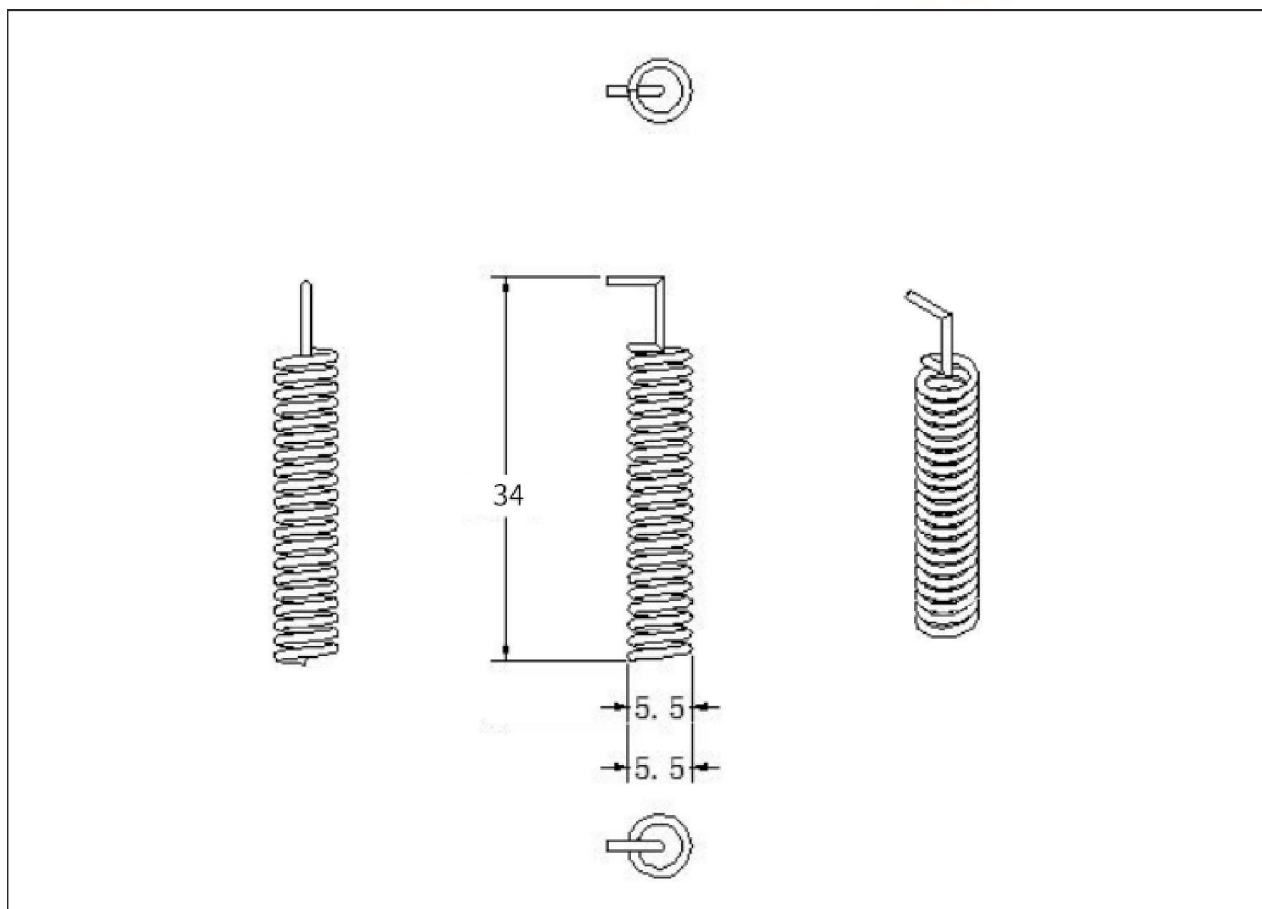




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4. Mechanical Specification

4.1 Assembly Drawing



5. 免责声明 (Disclaimer) :

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