

Product Specification Acknowledgment

Mobile communication terminal antenna

Product Design and Manufacturing

Product Name: ZX-RT21C

Customer Name: Yun Shan

Customer part number: /

Customer	Customer		Shenzhen Shunyou Electronic Technology Co., Ltd	
Customer confirmation	Quality	R&D Department	Structure	Approve
Date: Year Month Day	Date: May 26th, 2026 mm			

1.Purpose

Standardize the specifications and testing methods of mobile communication terminal antenna products produced by Shenzhen Shunyou Electronic Technology Co., Ltd. to avoid errors caused by different testing conditions and methods.

2. Overview of product categories and models

2.1 Overview of Product Models

This report mainly outlines the electrical results of the antenna designed for the ZX-RT21C project. This antenna is designed for a frequency band of 433MHz.

3. Basic parameters and experimental equipment description

3.1 Basic Parameters

Product electrical performance indicators	
Working frequency range	433MHz
VSWR	433 MHz: < 2.0
Antenna gain	433MHz:- 1dBi ± 0.5dBi
Radiation efficiency	433MHz: > 25%
impedance	50 ohm
Product Material Description	
433 spring	Nickel wire
Product Environment Description	
Operating Temperature	- 30℃ ~ + 85 ℃
Storage temperature	- 30℃ ~ + 85 ℃

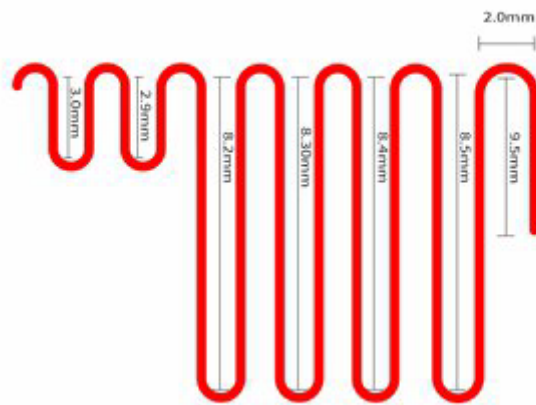
3.2 Experimental Equipment Description

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 : 7x4x3 m (3D) 2. Network analyzer : Agilent 8753ES

4. Antenna test data

6.1 Antenna Structure Drawing

Antenna Photo & Length (mm)



6.2 Antenna installation diagram:

