



Certified by ISO 9001 Quality Management System
Certificate Number: 76323Q10139R0S

Shenzhen Hongxin Technology Electronics Co., Ltd.

Product Approval Certificate

SPECIFICATION FOR APPROVAL

Company Name: _____

Product Name: _____ 433M Spring Antenna _____

Part Number: _____ HX-TH04433-06-02-W _____

Customer part number: _____

Specification: _____ See the specifications for details. _____

date: _____ 2025-10-27 _____

Customer confirmation:

Engineering Department	Quality Department	approve

Shenzhen Hongxin Technology Electronics Co., Ltd.

Engineering Department	Quality Department	Compiler
Huang Xiaoyu	Zhang Huan	Zou Jiayao



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1. Antenna Parameters

Design Specifications	Typical	Units
Antenna type	Spring antenna	N/A
Working frequency	433	MHZ
Gain	2	DBi
Antenna efficiency	35~80	%
Voltage standing wave ratio (VSWR)	<3.0	N/A
Polarization	Vertical polarization	N/A
Radiation pattern	Omnidirectional	N/A
Impedance	50	ohm
Power handling	33	dbm
Antenna Interface		N/A
Antenna Dimension	18*4	mm
Weight	No requirements	kg
Operating temperature	-30-70	°C
Storage temperature	-30-70	°C

Part Two: Antenna Physical Image



Note: 1. Antenna parameters are based on simulated environment testing; performance may vary for different products. 2. Antenna functionality is highly sensitive; please notify us of any changes to the main body's surrounding structure for evaluation.

3: VSWR (Voltage Standing Wave Ratio) / Return Loss / Smith Chart

(Smith diagram)



