

Shenzhen Hongxin Technology Electronics Co., Ltd.

Product Approval Specification

Company Name:	
Product Name:	2.4G & 5.8G Copper Tube Antenna
Part Number:	HX-TG25-5TB-250B1
Customer Part Number:	
Specification:	See specification sheet for details
Date:	2025-10-25

Customer Sign-off:

Engineering Dept.	Quality Dept.	Approved By

Shenzhen Hongxin Technology Electronics Co., Ltd.:

Engineering Dept.	Quality Dept.	Prepared By
Huang Xiaoyu	Zhang Huan	Zou Jiayao

1. Antenna Parameters

Design Specifications	Typical	Units
Antenna Type	Copper Tube Antenna	N/A
Operating Frequency	2400-2500 5150-5850	MHz
Gain	3	dBi
Antenna Efficiency	35~80	%
VSWR (Voltage Standing Wave Ratio)	<1.8	N/A
Polarization	Vertical Polarization	N/A
Radiation Pattern	Omnidirectional	N/A
Feed Impedance	50	ohm
Power Handling	33	dBm
Interface	IPEX-1	N/A
Antenna Dimension	350×5	mm
Weight	No requirement	kg
Operating Temperature	-30 to 70	°C
Storage Temperature	-30 to 70	°C

2. Antenna Physical Photo



Notes:

1. Antenna parameters are tested in a simulated environment; performance deviations may occur for different products.
2. The antenna function is relatively sensitive; please notify us for evaluation if there are any changes to the structure surrounding the main body.

3. VSWR / Return Loss / Smith Chart



4. Storage Environment

Operating Temperature: -30 to 70°C

Storage Temperature: -30 to 70℃

5. Dimensional Specifications

