

Product Approval Specification

Company Name:

Product Name: 2.4G Rubber Stick Antenna

Part Number: YD-AP24-1089-D2

Customer Part Number:

Specification: See Specification Sheet

Date: 2025-03-06

Customer Approval:

| Engineering Department | Quality Department | Approval |
|------------------------|--------------------|------------|
| Zhuang Weifeng | Zhang Huan | Zou Jiayao |

1: Antenna Parameters

| Design Specifications | Typical | Units |
|---|-----------------------------------|-------|
| Antenna Type | Glue Rod Antenna | |
| Working Frequency (working Frequency) | 2400-2500 | MHz |
| Gain (Gain) | 3 | dBi |
| Antenna Efficiency (Antenna efficiency) | 35~80 | % |
| Voltage Standing Wave Ratio (VSWR) | <1.8 | |
| Polarization (Polarization) | Vertical | |
| Radiation Pattern (Radiation pattern) | Omnidirectional | |
| Feed Impedance (impedance) | 50 | ohm |
| Power Handling (Power handling) | 33 | dbm |
| Antenna Interface (Interface) | SMA Internal Thread Internal Hole | |
| Overall Dimensions (Overall dimensions) | 108*9 | mm |
| Weight (Weight) | No requirement | |
| Operating Temperature (Operating Temp) | -30-70 | °C |
| Storage Temperature (Storing Temp) | -30-70 | °C |

2: Physical Diagram of the Antenna

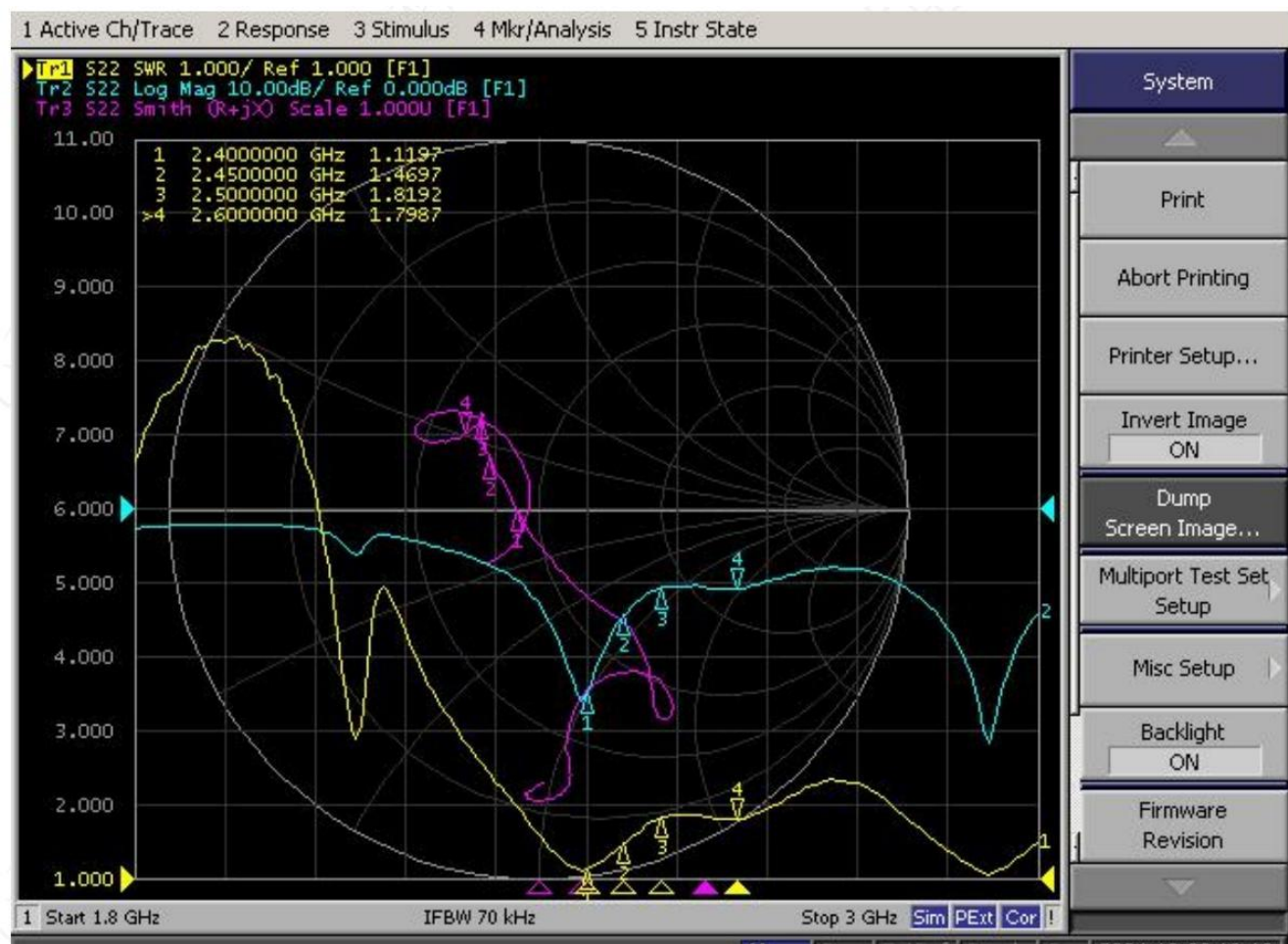


Note:

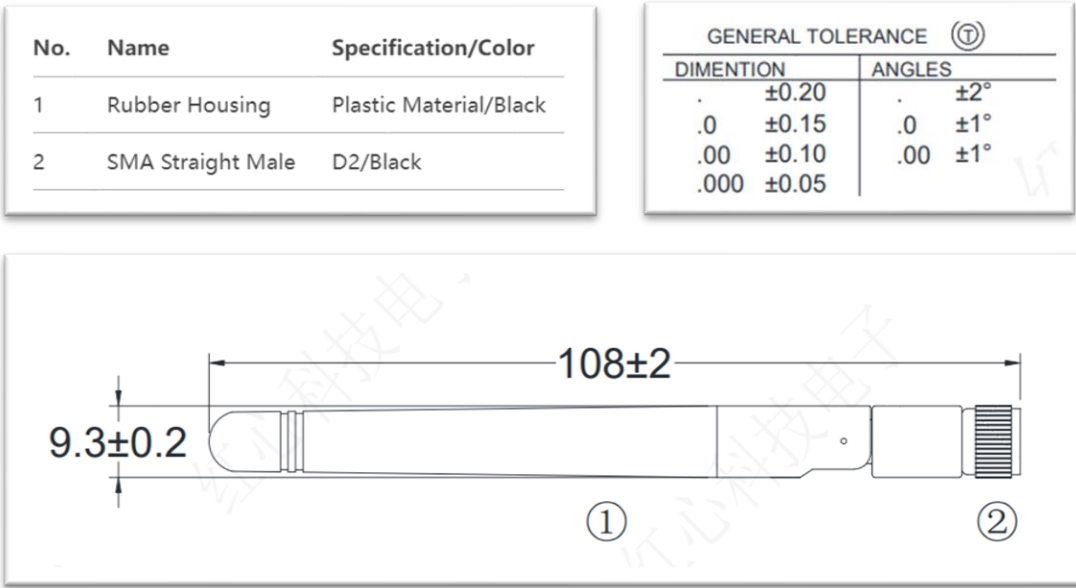
The antenna parameters are tested in a simulated environment, and there may be performance deviations for different products.

The antenna function is relatively sensitive. Please notify us for evaluation if there are any changes in the surrounding structure of the main body

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



4: Physical Diagram of the Antenna



5: Storage Environment

Operating Temperature: - 30 to 70°C

Storage Temperature: - 30 to 70°C

6: Precautions

Do not apply excessive mechanical stress to the product components. Do not attempt to bend, disassemble, or reassemble the product, as this may damage the product components or parts.

Do not expose the product directly to an open flame.

This specification document is only applicable to the functions of the YD - AP24 - 1089 - D2 product as a single unit.