

# Shenzhen HX Antenna Co., Ltd.

## SPECIFICATION FOR APPROVAL

**Name of the company** : \_\_\_\_\_

**Name of an article** : \_\_\_\_\_ 2.4G Glue stick antenna

**Material code** : \_\_\_\_\_ HX-AP24-10511-D5

**Customer item number:** \_\_\_\_\_

**Specifications** : \_\_\_\_\_ See the specification

**Date** : \_\_\_\_\_ 2023-09-05

Customer countersignature:

|                           |                    |         |
|---------------------------|--------------------|---------|
| Department of Engineering | Quality department | Approve |
|                           |                    |         |

Shen zhen hongxin technology electronics Co.Ltd:

|                           |                    |                |
|---------------------------|--------------------|----------------|
| Department of Engineering | Quality department | Approve        |
| Huang Xiaoyu              | Zhang Huan         | Zhuang Weifeng |

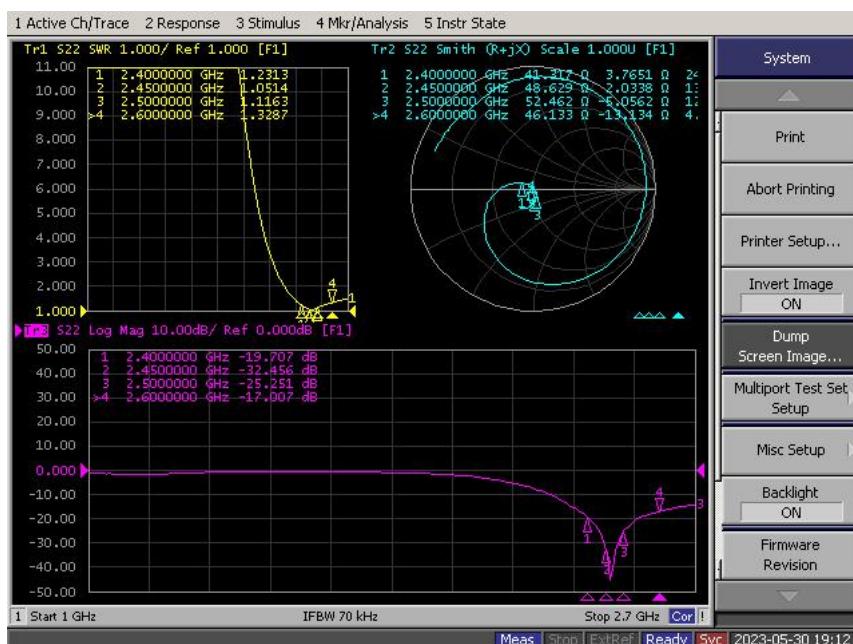
## 一: Antenna parameter

| Design Specifications       | Typical                 | Units |
|-----------------------------|-------------------------|-------|
| 天线形式( Antenna form )        | Glue rod antenna        | N/A   |
| 工作频率 ( working Frequency )  | 2400-2500               | MHZ   |
| 增益( Gain)                   | 3                       | DBi   |
| 天线效率 ( Antenna efficiency ) | 35~80                   | %     |
| 电压驻波比 ( VSWR )              | <1.8                    | N/A   |
| 极化方式 ( Polarization )       | Vertical polarization   | N/A   |
| 辐射方向 ( Radiation pattern )  | 360°                    | N/A   |
| 馈电阻抗 ( impedance )          | 50                      | ohm   |
| 功率容量 ( Power handling )     | 33                      | dbm   |
| 天线尺寸 ( Antenna size )       | 105*11                  | mm    |
| 天线接口 ( Interface )          | Fixed and non-removable |       |
| 重量 ( Weight )               | No requirement          | N/A   |
| 工作温度 ( Operating Temp )     | -30-70                  | °C    |
| 储存温度 ( Storing Temp )       | -30-70                  | °C    |

Fill:

1. The antenna parameters are tested according to the simulated environment, and there will be performance deviations for different products.
2. The function of the antenna is sensitive. Please inform us to evaluate if there is any change in the peripheral structure of the main body.
3. Since the use environment of the product is outdoor, it may be in a high temperature, humidity, corrosive environment, the antenna using the glue dropping process can effectively prevent the humid and corrosive air from entering the shell, ensure that the antenna is permanently connected to non-removable accessories, and is the only connector antenna, thereby improving the overall performance of the product.

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

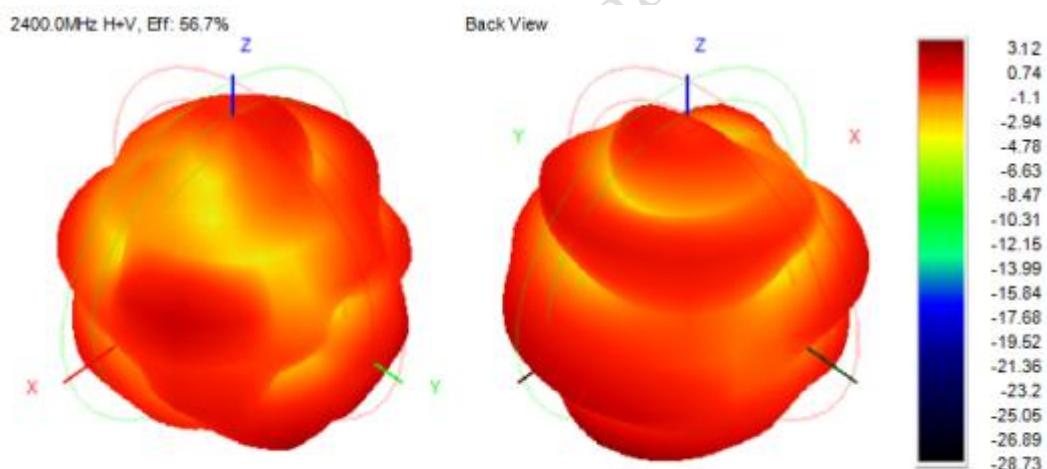


### 三: Storage environment

Working temperature: -30 to 70°C

Reserve temperature: -30 to 70°C

### 四: Radiation pattern



## 五: Dimensions

