

## **PRODUCT SPECIFICATION**

Customer: Shenzhen Sage IOT Technology Co., Ltd.

Customer's part number: ANT001002

Product description: 2.4G Antenna

Manufacturer: Shenzhen RedbirdTek Technology Co., Ltd.

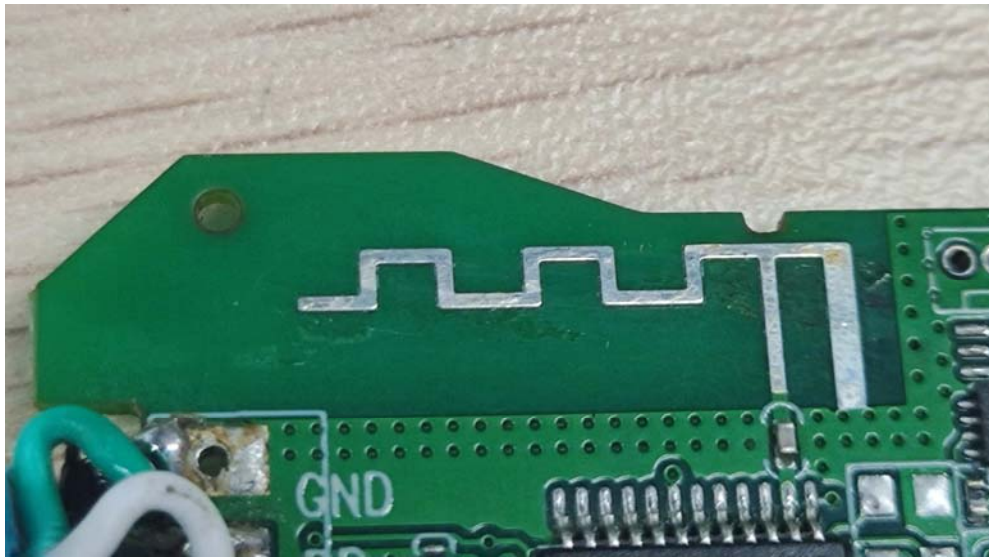
### 1、PRODUCT TECHNICAL SPECIFICATION

Electrical Specifications	
Frequency Range (MHz)	2400-2500
Bandwidth (MHz)	100
Input Impedence ( $\Omega$ )	50
V.S.W.R	$\leq 2.5$
Gain (dBi)	2.4G: $< -0.4$
Polarization Type	Vertical
Mechanical Specifications	
Antenna Length (mm)	16.2*5.2*0.2mm
Radiator	Copper
Working Temp( $^{\circ}\text{C}$ )	-20~90
Storage Temperature( $^{\circ}\text{C}$ )	-40~95
Radome Color	Silver

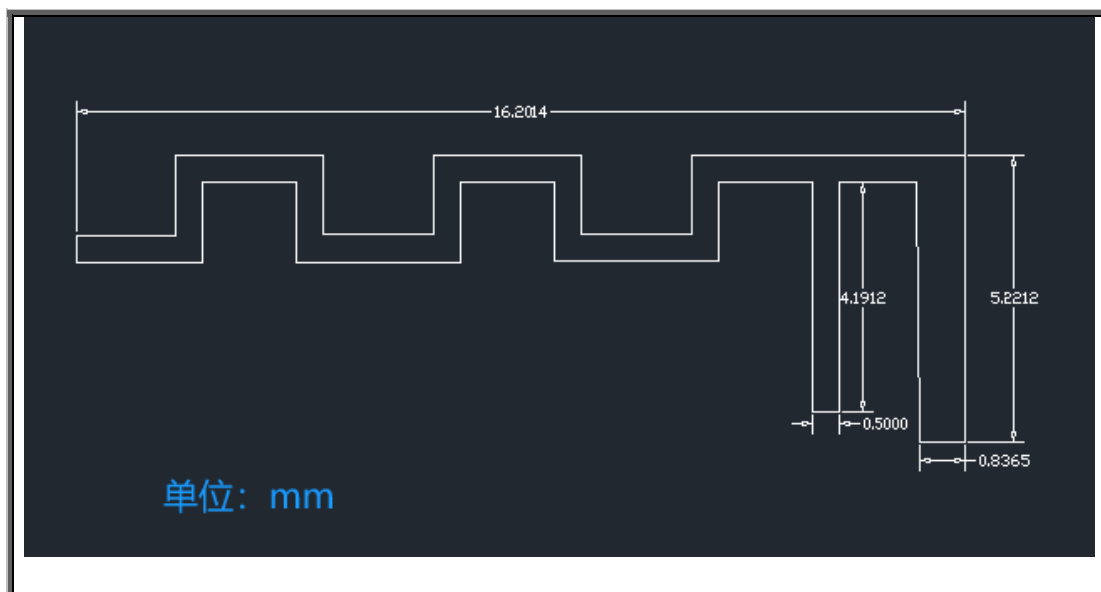
Product introduction:

The antenna is specially designed and produced for wireless built-in antenna equipment. The antenna has the advantages of beautiful appearance, compact structure and convenient installation. The material is Copper.

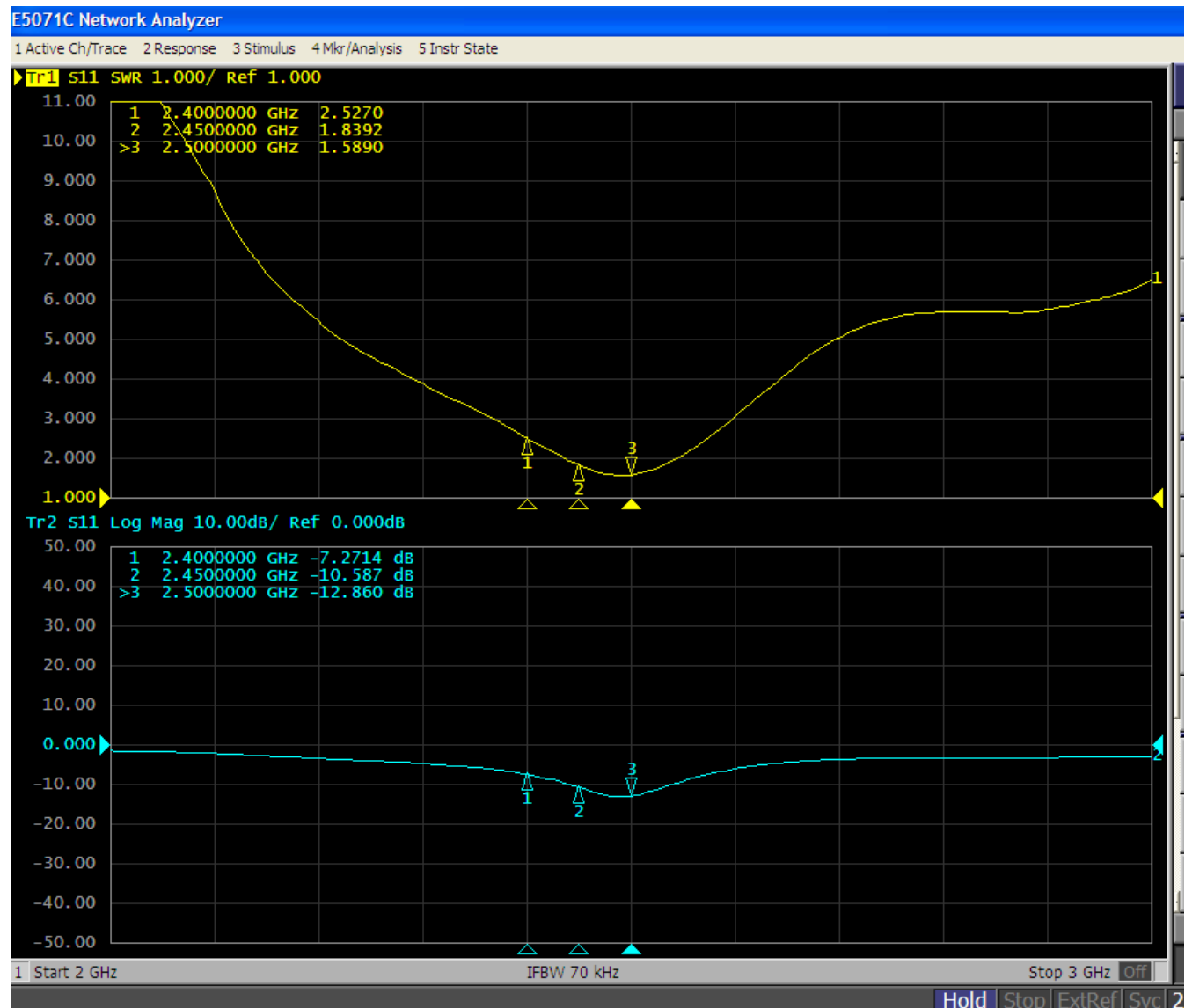
## 2、PRODUCT PICTURE



## 3、PRODUCT SPECIFICATION CHART



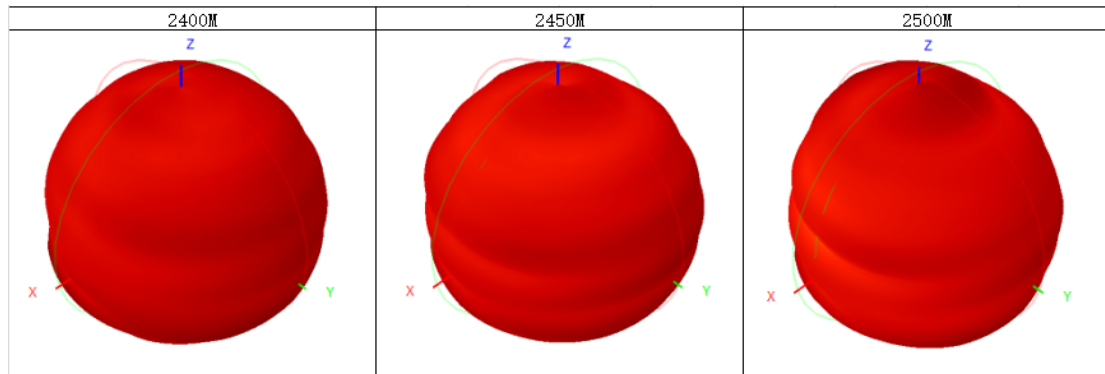
#### 4. STATIONARY WAVE PATTERN



#### 5. Gain and Efficiency:

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain (dBi)	-1.85	-1.77	-1.59	-1.22	-0.95	-0.58	-0.46	-0.40	-0.74	-0.74	-0.82
Efficiency (%)	34.45	38.34	39.87	43.20	45.34	46.75	45.92	46.53	43.82	43.36	41.88

#### 6. 3D Radiation Pattern:



2D Radiation Pattern:

