

## **PRODUCT SPECIFICATION**

Customer: Shenzhen Sage IOT Technology Co., Ltd.

Customer's part number: ANT001001

Product description: 5G Antenna

Manufacturer: Shenzhen RedbirdTek Technology Co., Ltd.

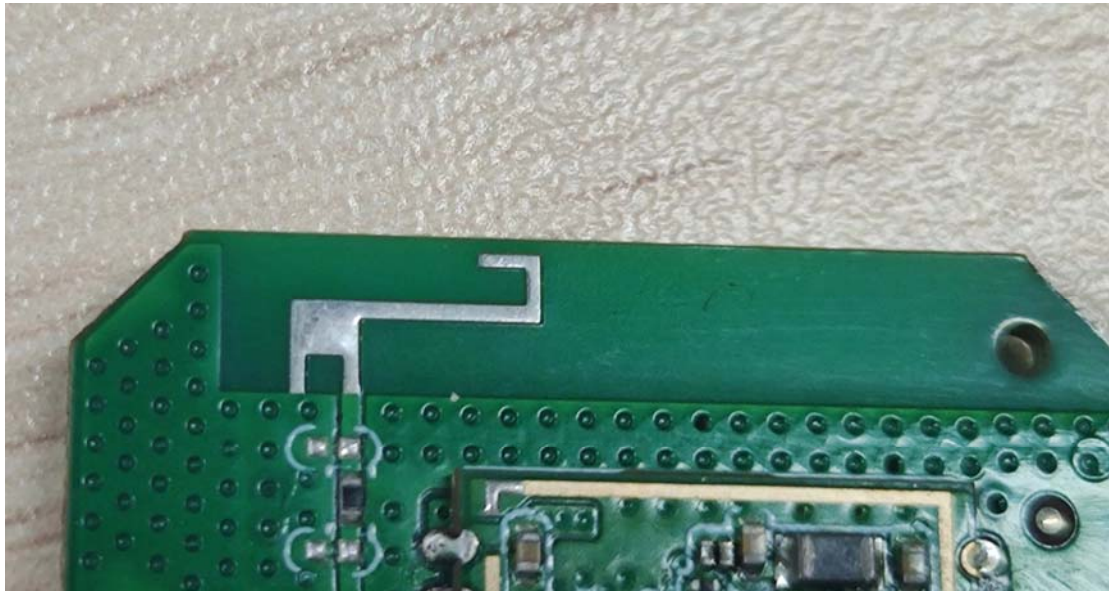
### 1、PRODUCT TECHNICAL SPECIFICATION

Electrical Specifications	
Frequency Range (MHz)	5150-5350/5730-5850
Bandwidth (MHz)	320
Input Impedence ( $\Omega$ )	50
V.S.W.R	$\leq 2.0$
Gain (dBi)	5.1G: <1.25 5.8G: <1.00
Polarization Type	Vertical
Mechanical Specifications	
Antenna Length (mm)	7.0*3.9*0.2mm
Radiator	Copper
Working Temp( $^{\circ}$ C)	-20~90
Storage Temperature( $^{\circ}$ C)	-40~95
Radome Color	Silver

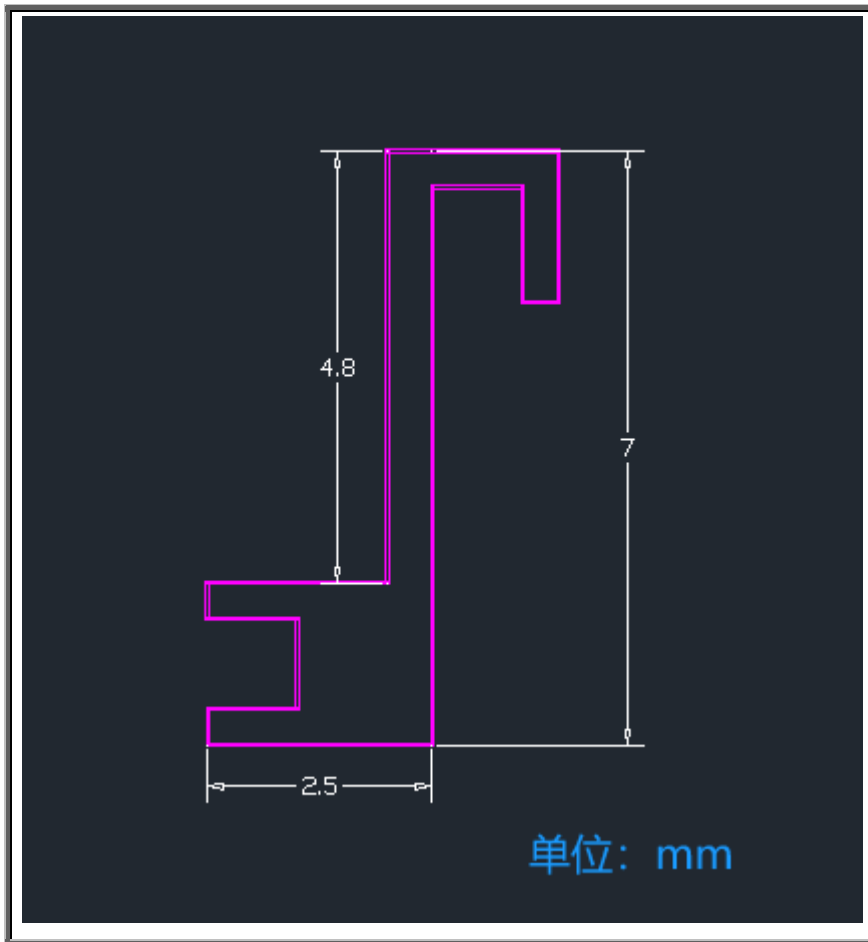
Product introduction :

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.

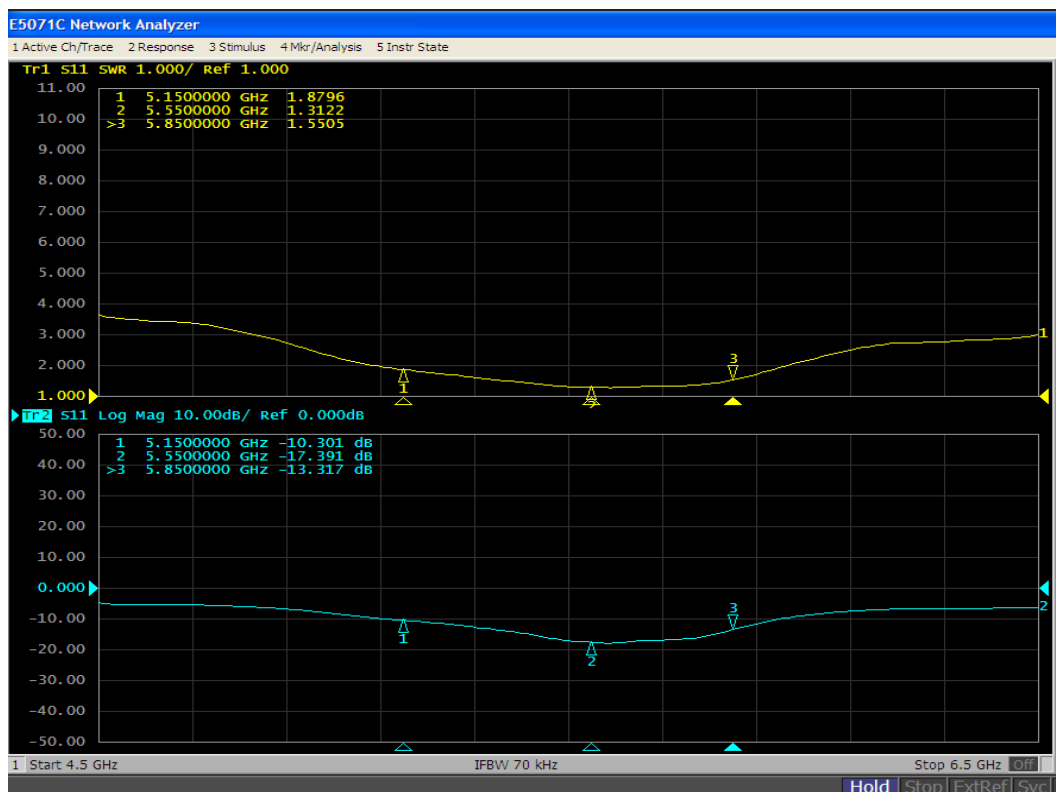
## 2、PRODUCT PICTURE



## 3、PRODUCT SPECIFICATION CHART



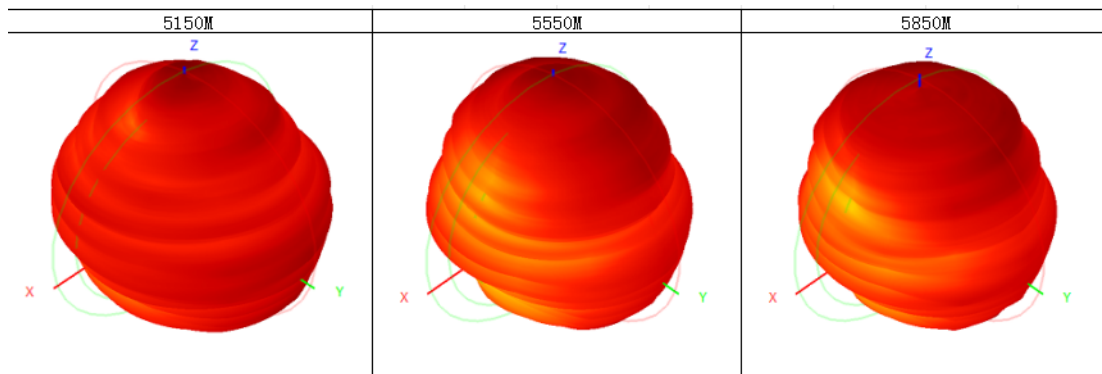
#### 4、STATIONARY WAVE PATTERN



## 5. Gain and Efficiency:

Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Frequency (MHz)	5150.0	5200.0	5250.0	5300.0	5350.0	5400.0	5450.0	5500.0	5550.0	5600.0	5650.0	5700.0	5750.0	5800.0	5850.0
Gain (dBi)	0.21	0.78	1.25	0.82	1.27	1.54	1.74	1.43	1.74	1.63	1.57	0.83	0.97	1.00	0.50
Efficiency (%)	43.12	45.66	47.99	44.53	50.43	52.00	53.99	48.25	52.76	52.37	51.03	41.82	44.24	45.12	42.79

## 6. 3D Radiation Pattern:



## 2D Radiation Pattern:

