

PRODUCT SPECIFICATION

Customer: Shenzhen Xianzhi IOT Technology Co., Ltd.

Customer's part number: ANT000074

Product description: 5G Antenna

Manufacturer: Shenzhen RedbirdTek Technology Co., Ltd.

1、PRODUCT TECHNICAL SPECIFICATION

Electrical Specifications	
Frequency Range (MHz)	5150-5350/5700-5850
Bandwidth (MHz)	350
Input Impedence (Ω)	50
V.S.W.R	≤ 2.0
Gain (dBi)	5.2G: <2.98 5.8G: <2.98
Polarization Type	Vertical
Mechanical Specifications	
Antenna Length (mm)	21.5*3.5*4.5mm
Radiator	Steel
Connect Type	DIP
Working Temp($^{\circ}\text{C}$)	-20~90
Storage Temperature($^{\circ}\text{C}$)	-40~95
Radome Color	Silver
Weight (g)	0.5

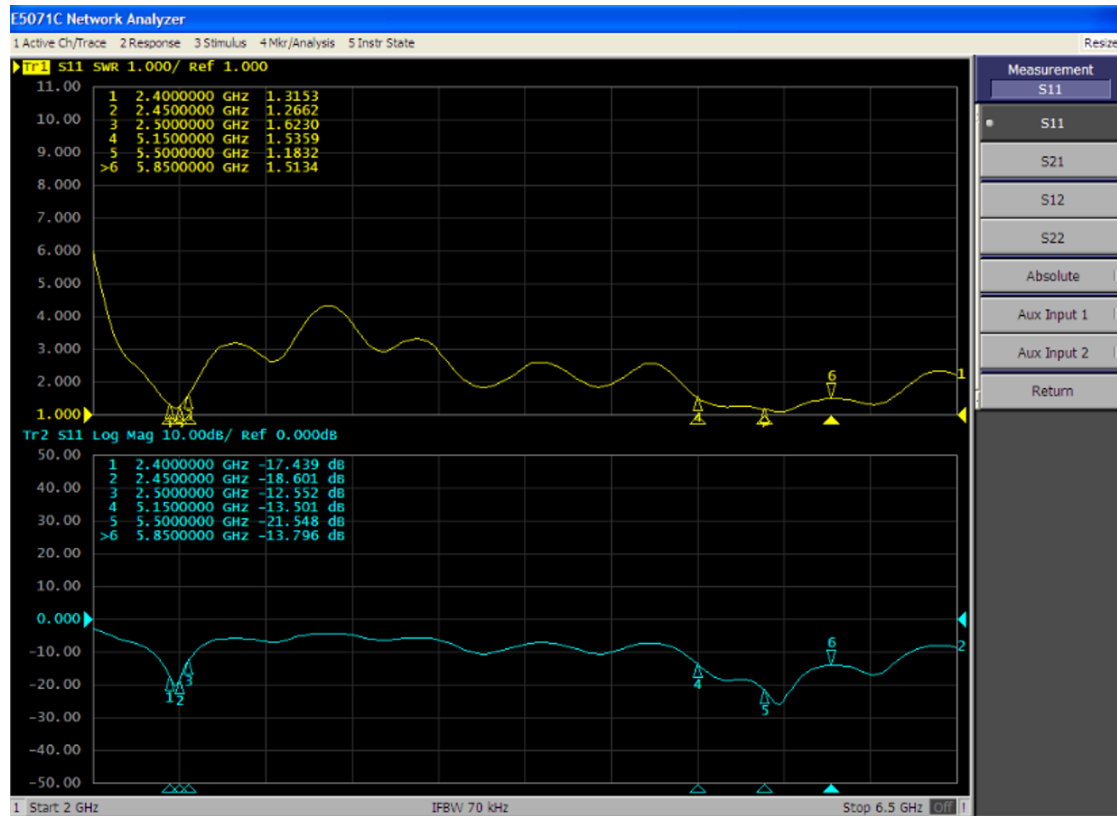
The antenna is specially designed and produced for wireless built-in antenna equipment. The antenna has the advantages of beautiful appearance, compact structure and convenient installation. The material is nickel-plated stainless steel with sufficient hardness.

Technical drawing of a mechanical part, likely a bracket or support, showing three views: front, top, and side. The front view shows a vertical plate with a horizontal flange at the bottom. The top view shows a rectangular plate with a central slot. The side view shows a vertical plate with a horizontal flange at the bottom. Dimensions are given in millimeters (mm). The front view has a total height of 21.5000 mm, a flange thickness of 3.4000 mm, and a flange width of 4.5000 mm. The top view has a total width of 3.5000 mm and a central slot width of 2.5000 mm. A 3D isometric view is also shown in the top right corner.

Unit: mm

标记	处数	更改文件号	签字	日期					
设计			标准化		阶段	标记	数量	重量	比例
绘图			审核				2	0.01	1:1
校对			批准						
工艺			打印		共 1 张 第 1 张				

4、STATIONARY WAVE PATTERN

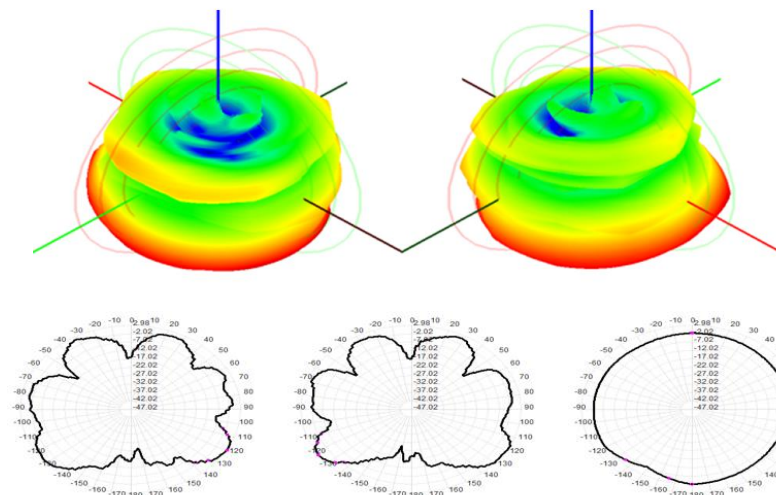


5. Gain and Efficiency:

12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
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
2.01	1.93	2.98	1.56	1.23	1.45	1.32	1.87	1.67	2.01	2.12	1.98	1.78	2.08	2.98
48.20	49.10	52.10	49.67	49.21	36.56	52.11	48.76	45.65	39.23	45.62	48.76	51.22	49.12	45.78

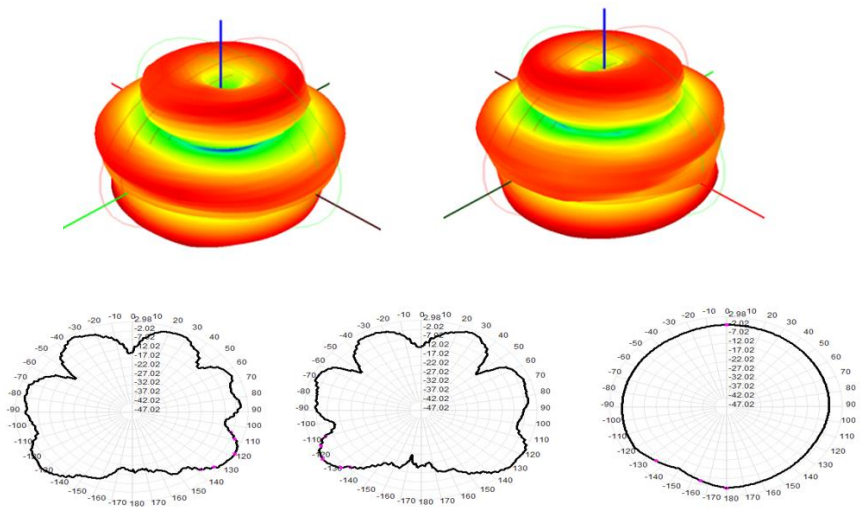
6. Field Pattern:

5250MHz:



unit: mm

5850MHz:



Unit: dBi