

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

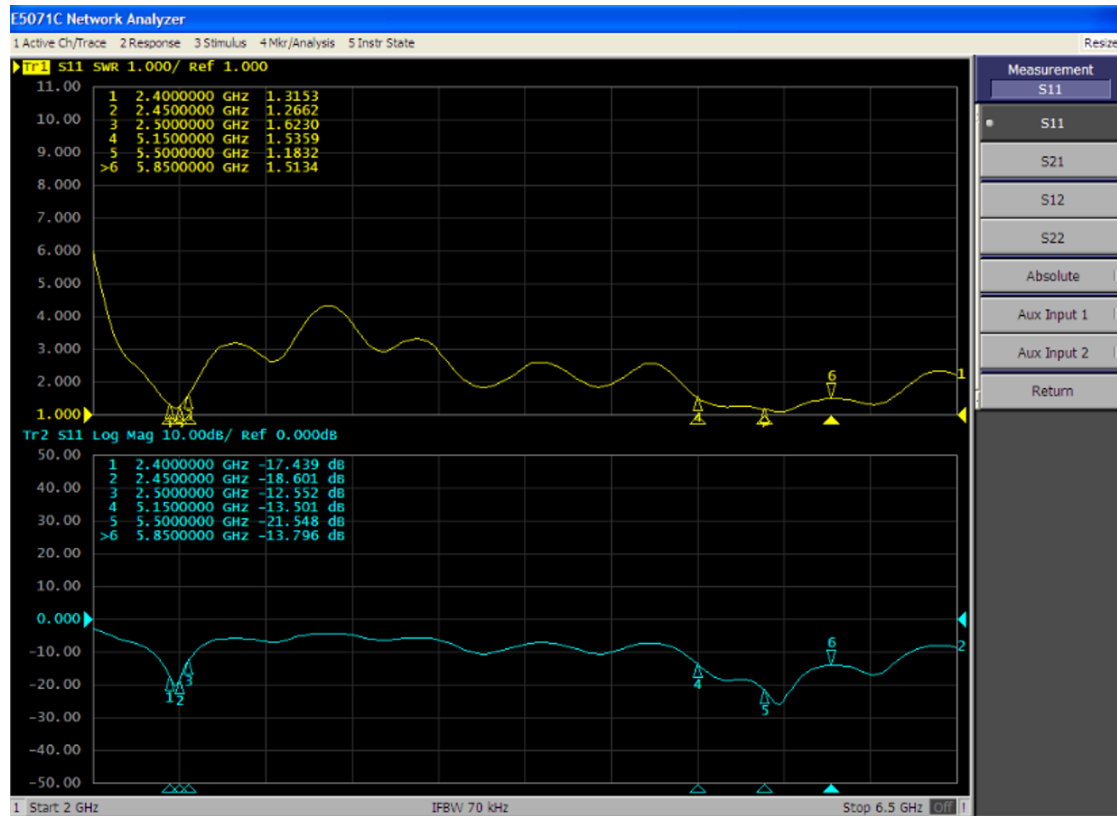
Electrical Specifications	
Frequency Range (MHz)	5150-5350/5700-5850
Bandwidth (MHz)	350
Input Impedence (Ω)	50
V.S.W.R	≤ 2.0
Gain (dBi)	5.1G: <2.22 5.8G: <2.12
Polarization Type	Vertical
Mechanical Specifications	
Antenna Length (mm)	21.5*3.5*4.5mm
Radiator	Steel
Connect Type	DIP
Working Temp($^{\circ}\text{C}$)	-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.

This micrograph shows a cross-section of a solder joint on a green PCB. A large, dark, irregular void is visible within the solder, indicating a significant defect in the joint.

签 字 日 期										
	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						
	校对			批准				2	0.01	1:1
	工艺			打印		共 1 张				第 1 张

4、STATIONARY WAVE PATTERN

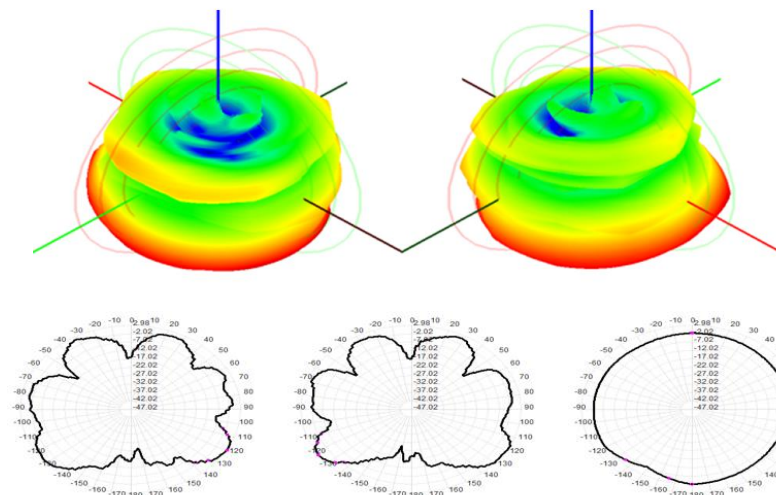


5. Gain and Efficiency:

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	2.22	1.56	1.23	1.45	1.32	1.87	1.67	2.01	2.12	1.98	1.78	2.08	2.12
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:



5850MHz:

