

产品规格书

PRODUCT SPECIFICATION

Customer: Actions Microelectronics Co., Ltd. All rights reserved.

Customer' s part number: ANT000442

Product description: 5G Frequency Antenna

Manufacturer: Shenzhen RedbirdTek Technology Co., Ltd.

Address : Room 206, Haibin Technology Building, Bao'an District,
Shenzhen City, Guangdong Province, China

Tester: Luo wenlai

1、产品技术指标 (PRODUCT TECHNICAL SPECIFICATION)

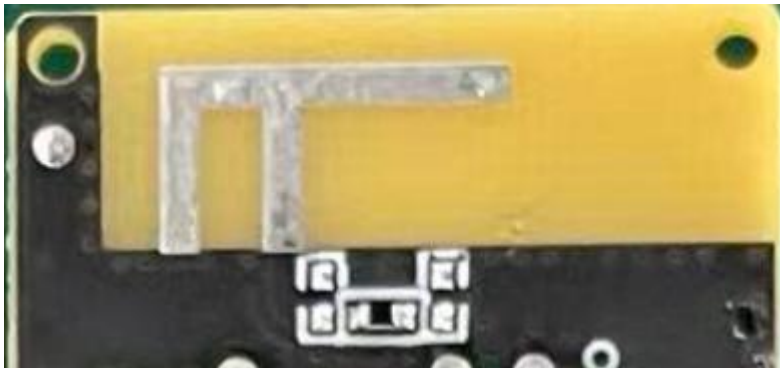
电性能指标 Electrical Specifications	
频率范围 Frequency Range (MHz)	5150-5850
频带宽度 Bandwidth (MHz)	5G: 700
输入阻抗 Input Impedence (Ω)	50
电压驻波比 V.S.W.R	≤ 2.0
增益 Gain (dBi)	5150-5250 1.78dBi 5750-5850 2.5dBi
极化形式 Polarization Type	垂直 Vertical
机械指标 Mechanical Specifications	
天线长度 Antenna Length (mm)	8.5*4.5*0.2mm
辐射体 Radiator	Copper
连接器型号 Connect Type	NC
外壳颜色 Radome Color	Silver
重量 Weight (g)	0.02

产品简介 Product introduction:

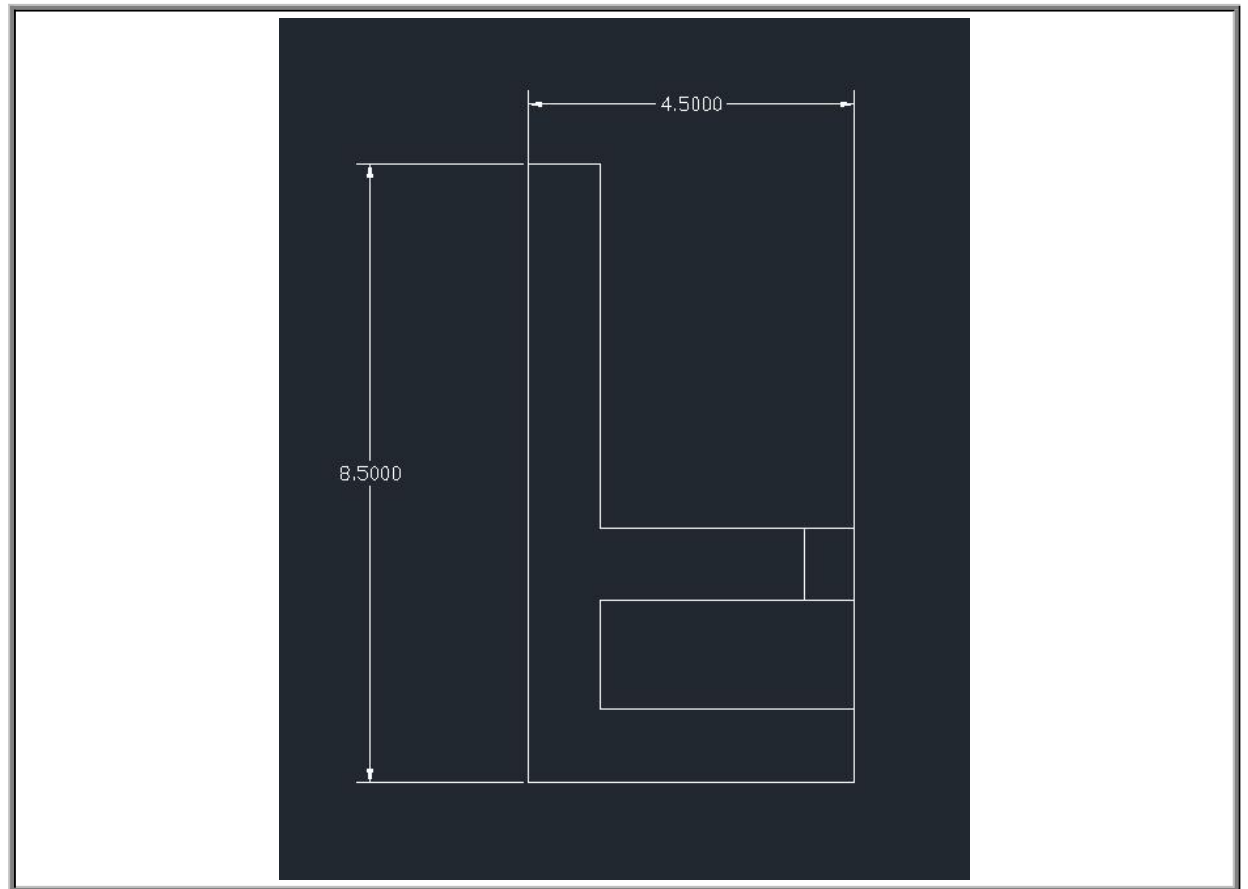
该天线是专为无线内置天线设备设计生产的，天线具有外形美观，结构小巧，一致性高，成本低廉。

The antenna is specially designed and produced for wireless built-in antenna equipment. The antenna has beautiful appearance, small structure, high consistency and low cost.

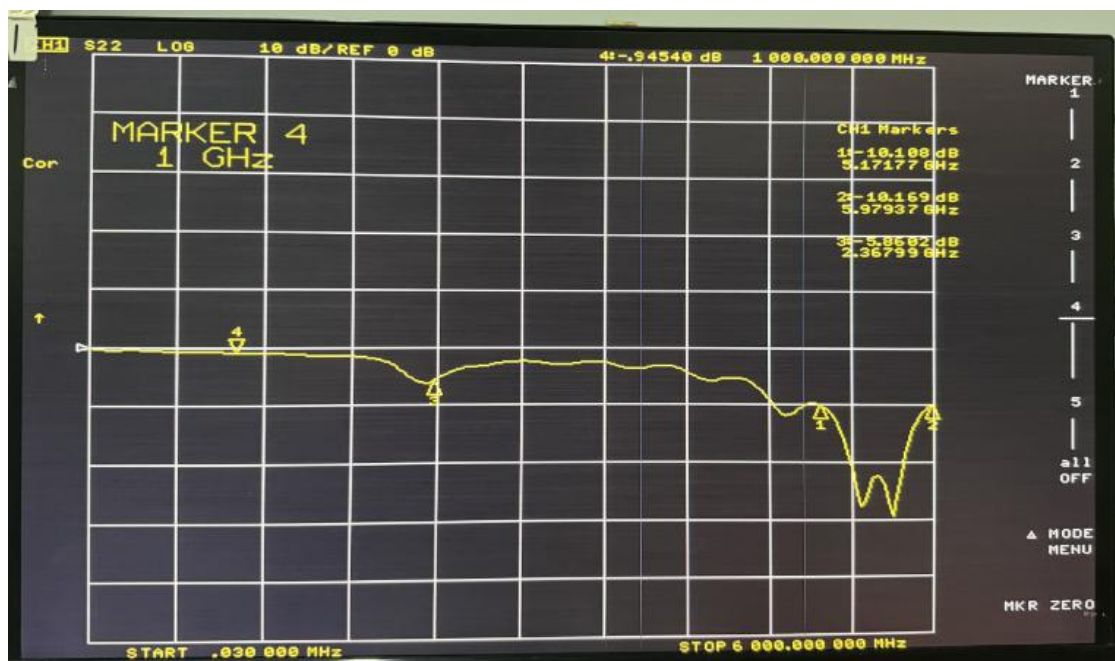
2、产品图片 (PRODUCT PICTURE)



3、产品规格图(PRODUCT SPECIFICATION CHART



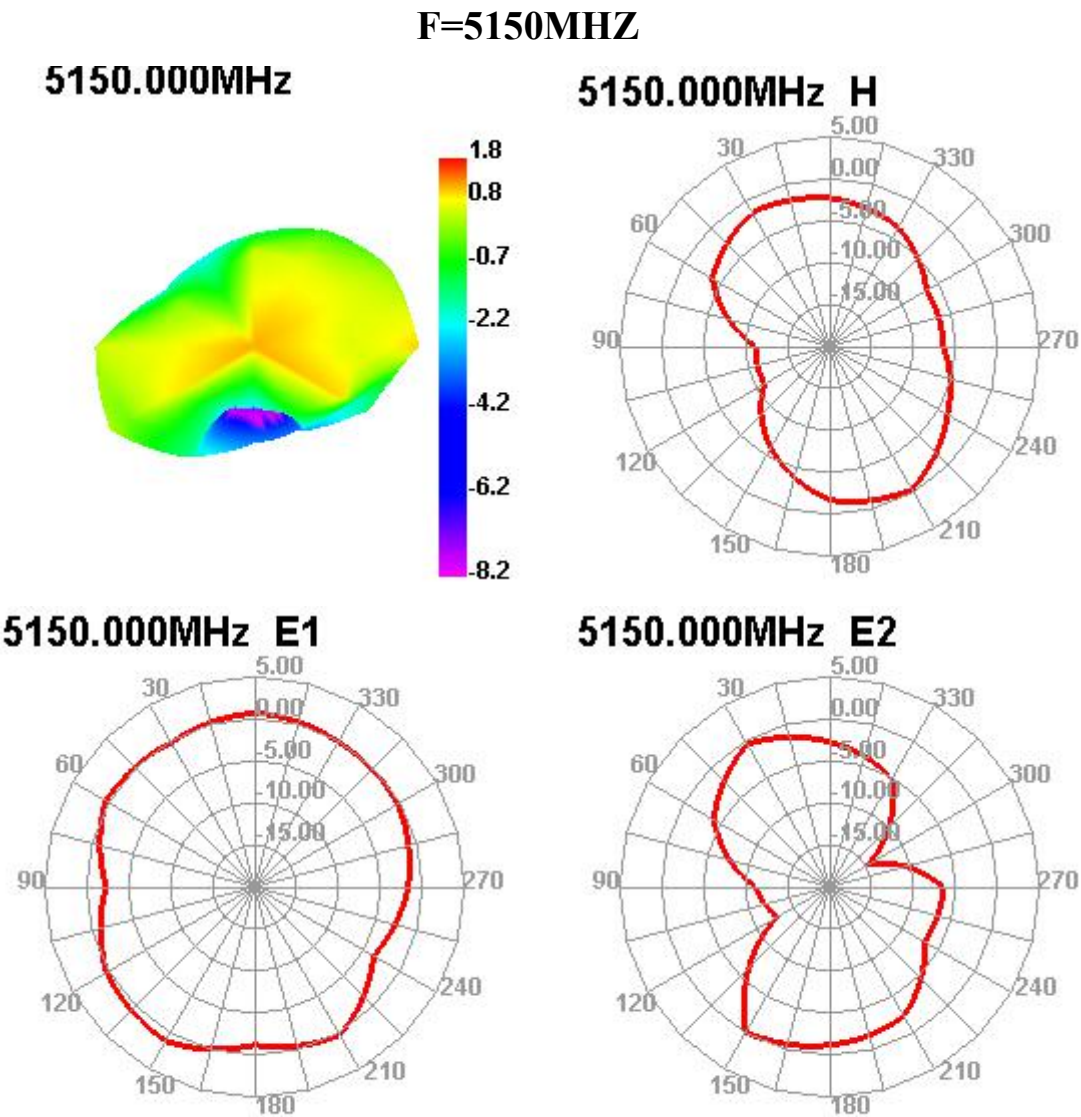
4、驻波图 (STATIONARY WAVE PATTERN)



5.增益效率值 Gain and Efficiency:

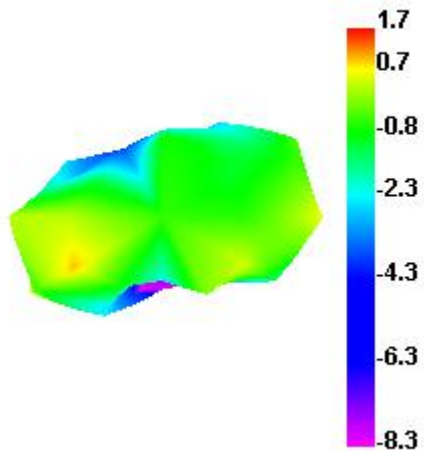
Passive Test For 5.8G												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)	Directivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
5150	55.6	-2.55	1.78	-0.37	27.752	27.848	1.78	-14.81	4.33	90	60.21	59.62
5250	50.21	-2.99	1.7	-0.45	24.342	25.867	1.7	-13.22	4.7	90	60.03	59.24
5750	56.81	-2.46	2.5	0.35	28.933	27.881	2.5	-13.74	4.96	30	60.87	60.27
5850	52.05	-2.84	2.23	0.08	24.779	27.268	2.23	-14.41	5.07	30	60.94	60.26

6. 场型图 Field Pattern:

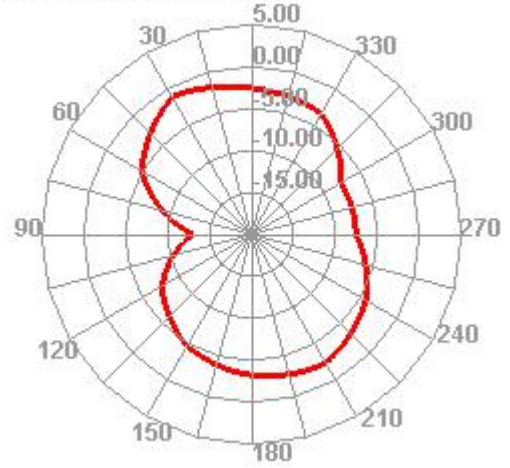


F=5250MHZ

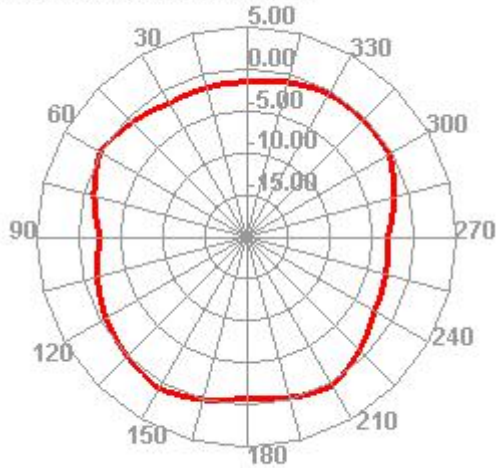
5250.000MHz



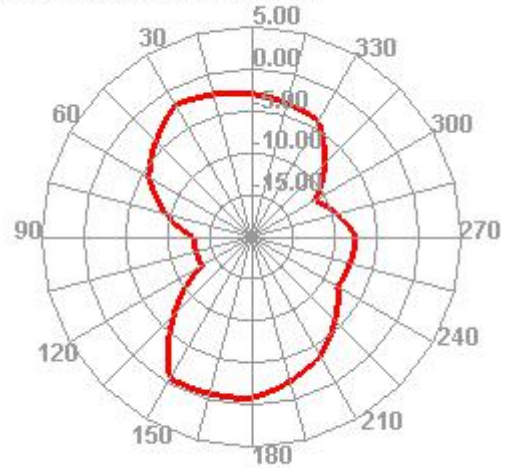
5250.000MHz H



5250.000MHz E1

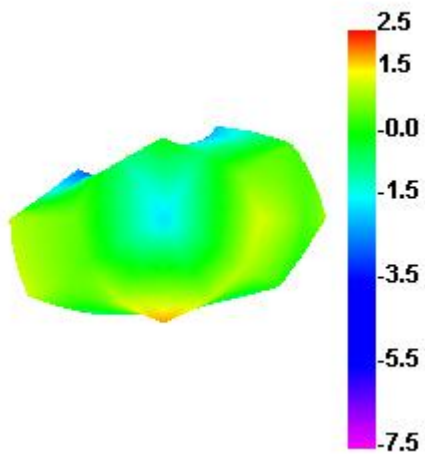


5250.000MHz E2

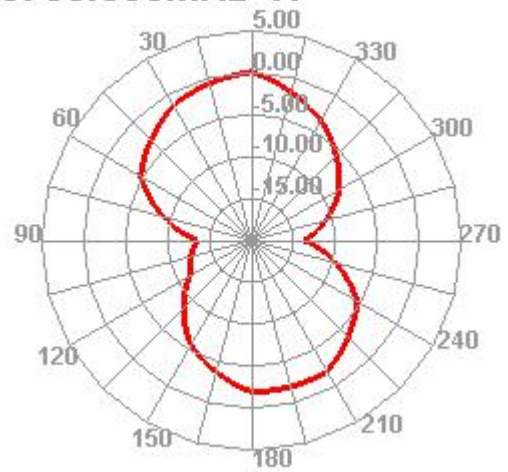


F=5750MHZ

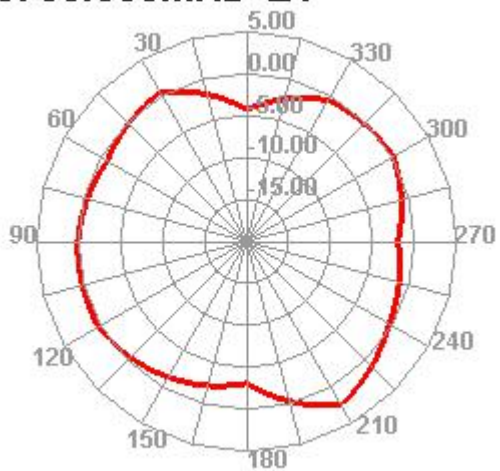
5750.000MHz



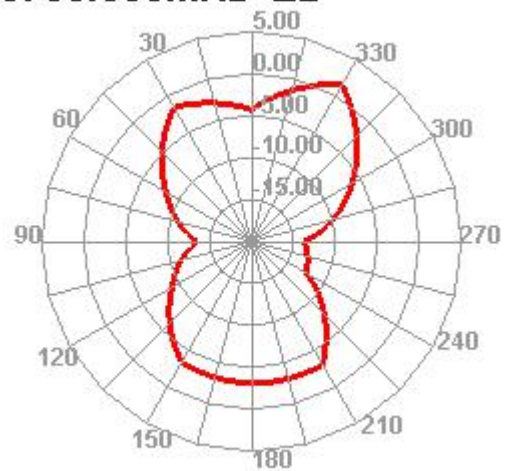
5750.000MHz H



5750.000MHz E1

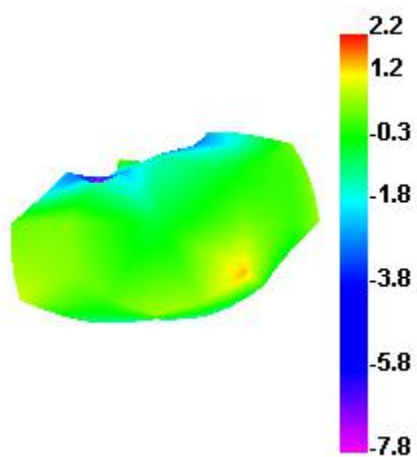


5750.000MHz E2

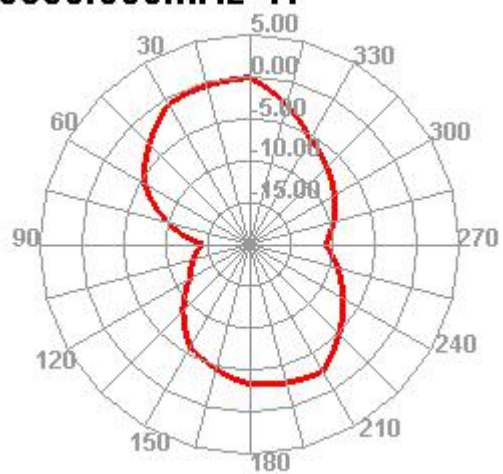


F=5850MHZ

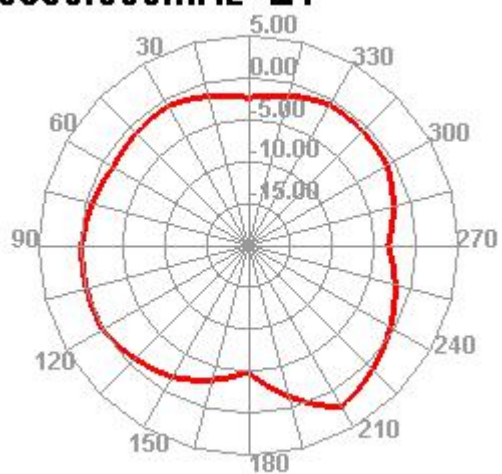
5850.000MHz



5850.000MHz H



5850.000MHz E1



5850.000MHz E2

