

产品规格书

PRODUCT SPECIFICATION

Customer: Actions Microelectronics Co., Ltd.

Customer’s part number: ANT000313

Product description: 5G Frequency Antenna

Manufacturer: Shenzhen RedbirdTek Technology Co., Ltd.

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

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

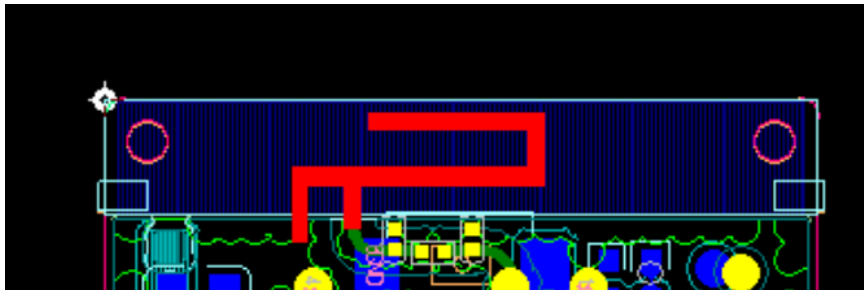
电性能指标 Electrical Specifications	
频率范围 Frequency Range (MHz)	5150-5850
频带宽度 Bandwidth (MHz)	5G: 700
输入阻抗 Input Impedence (Ω)	50
电压驻波比 V.S.W.R	≤2.0
增益 Gain (dBi)	2.0dBi
极化形式 Polarization Type	垂直 Vertical
机械指标 Mechanical Specifications	
天线长度 Antenna Length (mm)	6.9*3.6*0.2mm
辐射体 Radiator	Copper
连接器型号 Connect Type	NC
外壳颜色 Radome Color	Silver
重量 Weight (g)	0.02

产品简介 Product introduction:

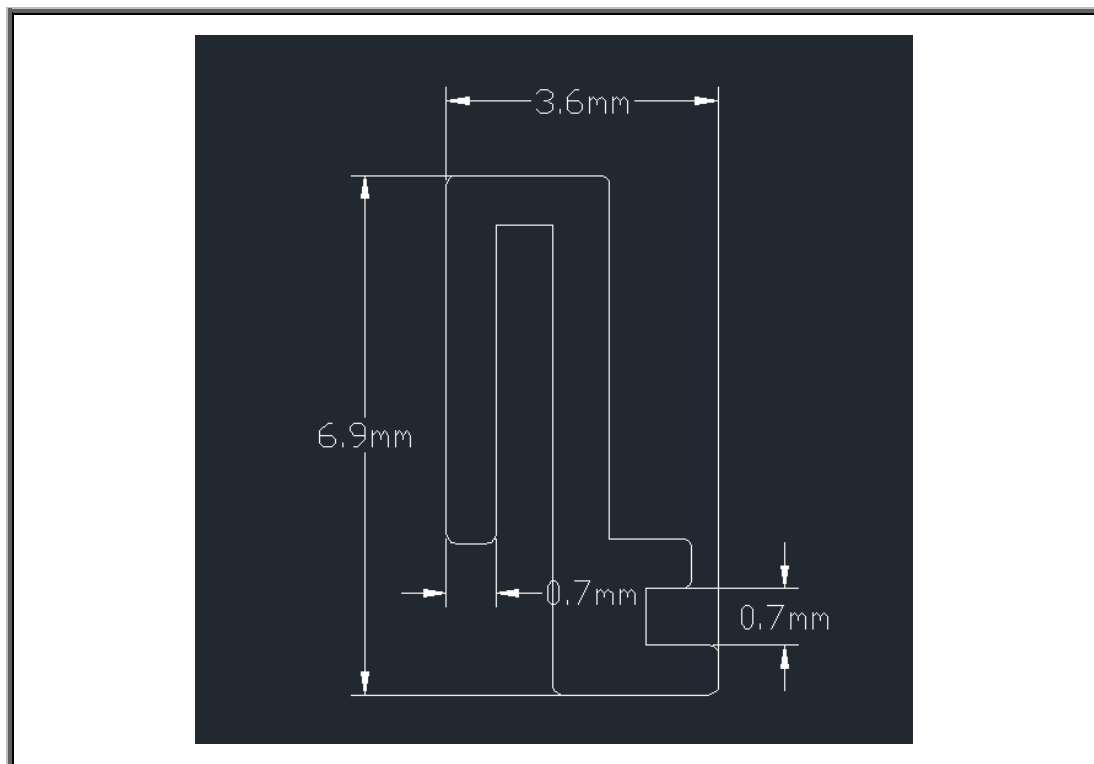
该天线是专为无线内置天线设备设计生产的，天线具有外形美观，结构小巧，一致性高，成本低廉。

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.

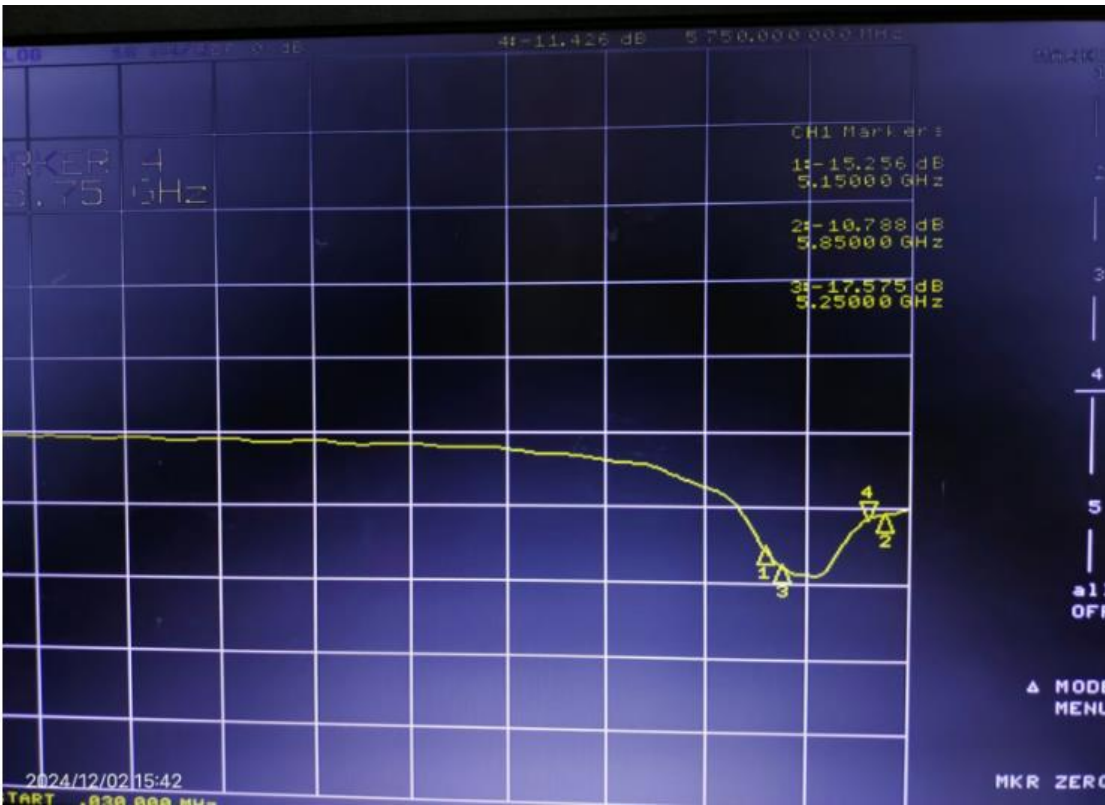
2、产品图片（PRODUCT PICTURE）



3、产品规格图(PRODUCT SPECIFICATION CHART)



4、驻波图（STATIONARY WAVE PATTERN）

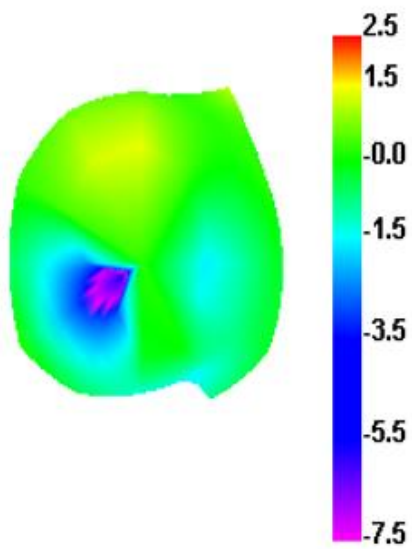


5.增益效率值 Gain and Efficiency:

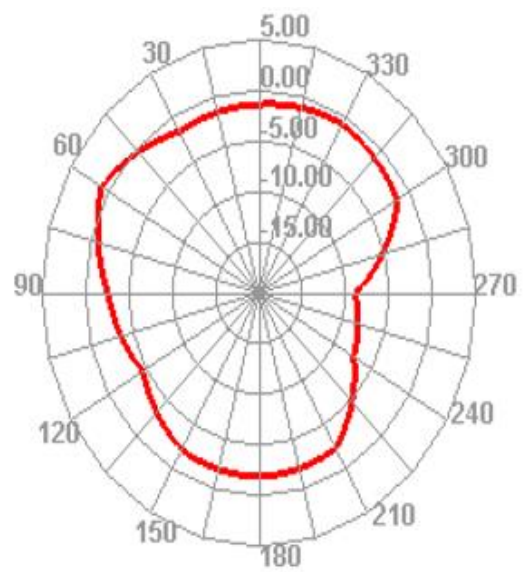
Antenna Parameters:													
	Quantity	Freq	Value	Freq	Value	Freq	Value	Freq	Value	Freq	Value	Freq	Value
Max U		5.1GHz	0.0012017 W/sr	5.2GHz	0.0012914 W/sr	5.3GHz	0.0013667 W/sr	5.7GHz	0.0014667 W/sr	5.8GHz	0.0014449 W/sr	5.9GHz	0.0014094 W/sr
Peak Directivity			2.1611		2.144		2.1195		1.9595		1.9102		1.8594
Peak Gain			2.0222		2.0123		1.9952		1.8625		1.8189		1.7731
Peak Realized Gain			1.5101		1.6228		1.7175		1.8432		1.8157		1.7711
Radiated Power			0.0069878 W		0.0075691 W		0.0081033 W		0.0094066 W		0.0095055 W		0.0095254 W
Accepted Power			0.0074677 W		0.0080643 W		0.008608 W		0.0098961 W		0.0099827 W		0.0099887 W
Incident Power			0.01 W		0.01 W		0.01 W		0.01 W		0.01 W		0.01 W
Radiation Efficiency			0.93573		0.93959		0.94137		0.95054		0.9522		0.95361
Front to Back Ratio			-N/A-		-N/A-		-N/A-		-N/A-		-N/A-		-N/A-
Decay Factor			0		0		0		0		0		0

6.场型图 Field Pattern:

F=5250MHz

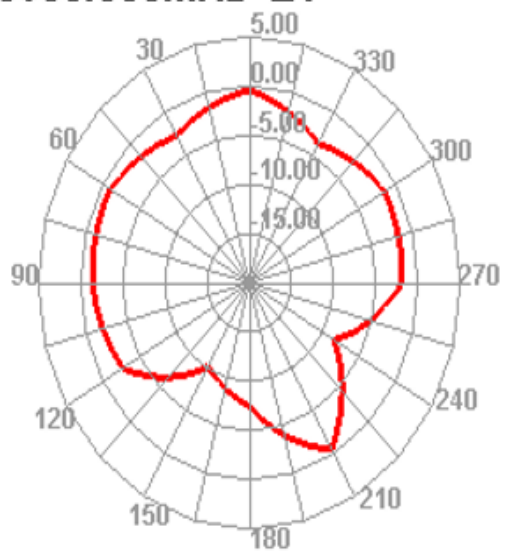


3D



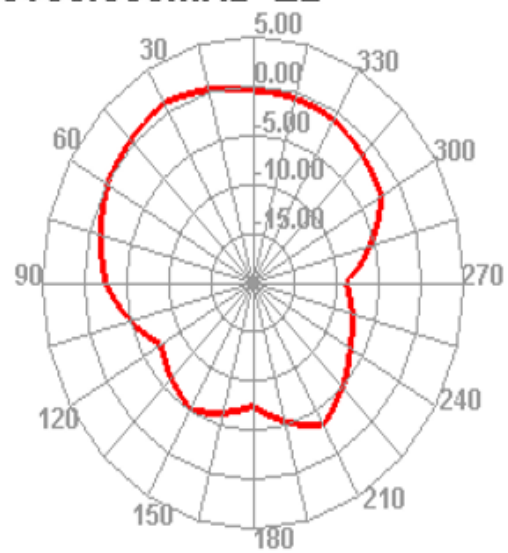
H

5650.000MHz E1



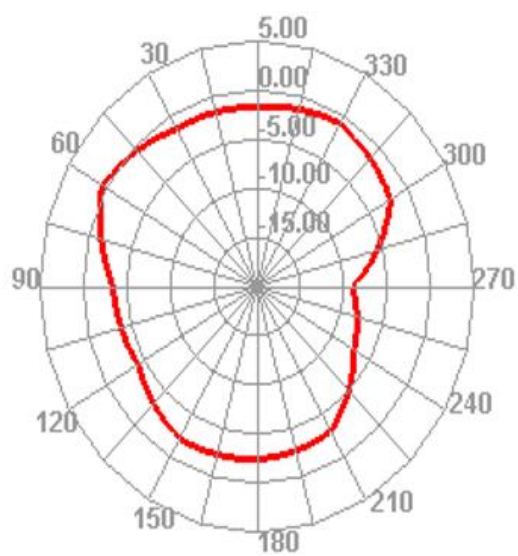
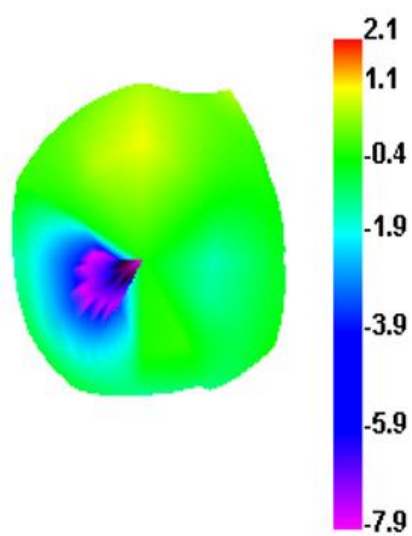
E1

5650.000MHz E2



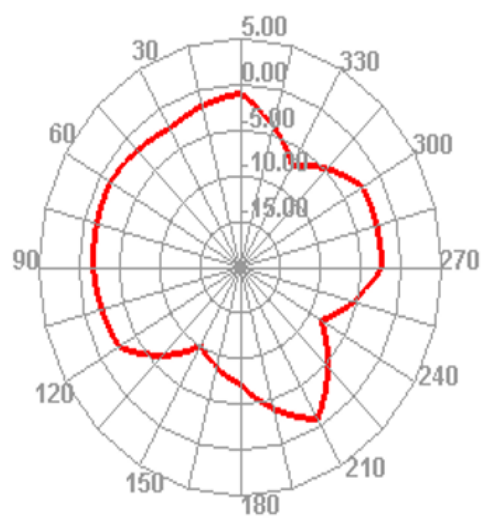
E2

F=5800MHZ

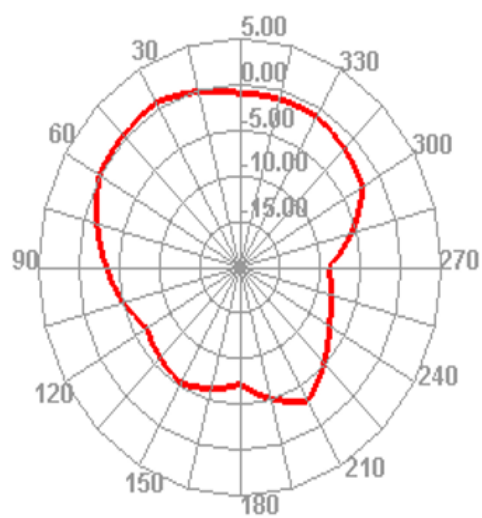


3D

H



E1



E2