

天线规格书说明书

Product Specification

客户名称 **Actions Microelectronics Co., Ltd.**
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2nd Road, Central High-Tech Zone, Nanshan District, Shenzhen
Customer : City, Guangdong Province, P.R.China

产品名称

Product Description: **2.4/5G WIFI Antenna**

料号

Part NO.: **ANT-PCB-T02**

客户料号

Customer Part NO.:

版本

Version: **V1.0**

日期

Date: **2018.10.20**

	供应商确认 Manufacturer Signature	客户确认 Customer Signature
Approved by:		
Date:		

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版本 Revised History

Date	Version	Revised Record

规格表 Antenna Specification

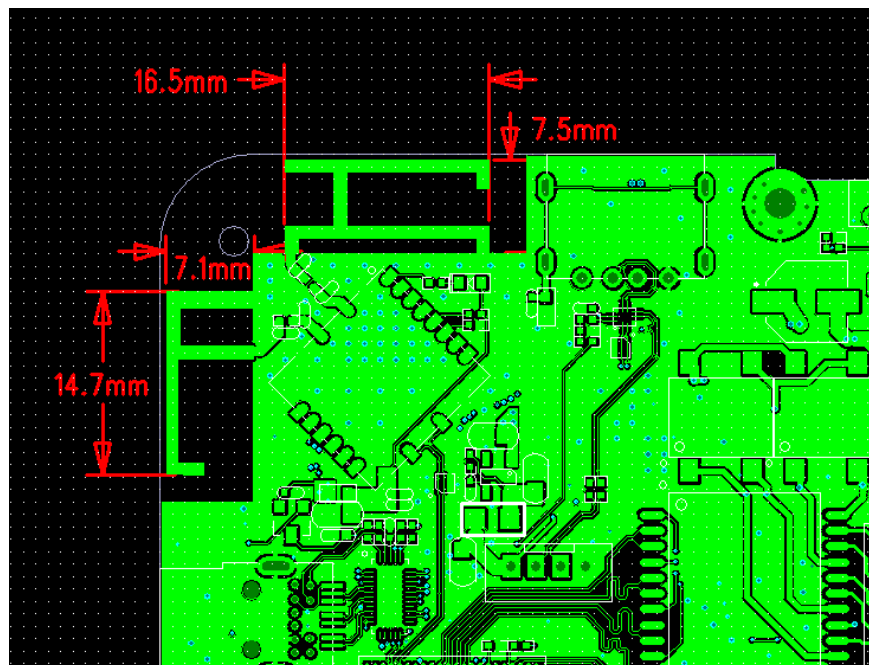
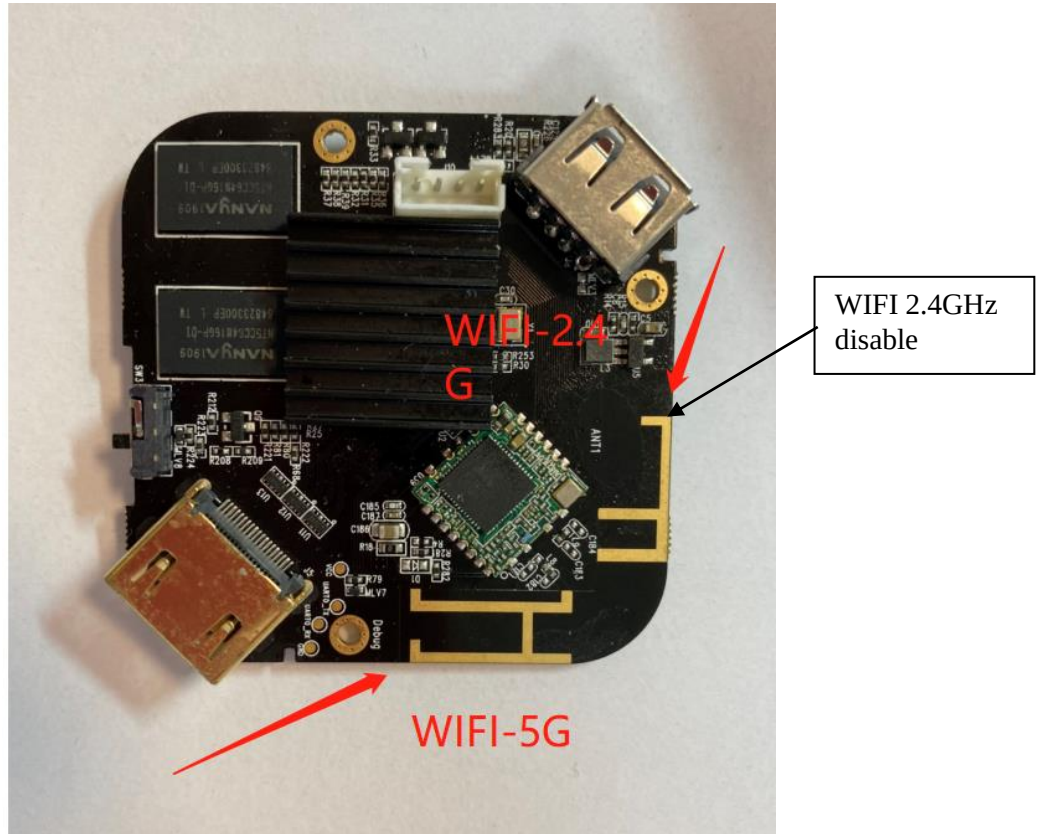
电气特性 Electrical Properties

功能 Function	2.4/5G WIFI Antenna
频率范围 Frequency Range (GHz)	2.4-2.5 ;5.1-5.85
电压驻波比 VSWR	≤ 2.5
增益 Gain (dBi)	1dBi@2.4g;1.8dBi@5g;
输入阻抗 Input Impedence (Ω)	50
极化方式 Polarization Type	Liner, Vertical
天线形式 Antenna Type	PCB

物理特性 Physical Properties

功能 Function	2.4/5G WIF Antenna
天线外观尺寸 Antenna Length	
天线材质 Antenna Material	PCB
天线颜色 Antenna Color	
电缆类型 Cable Type	
连接器型号 Connector Type	
工作温度 working temperature	-40℃-65℃
存储温度 storage temperature	-40℃-80℃

成品图 Antenna Assembly (2.4-5G)



产品图

P
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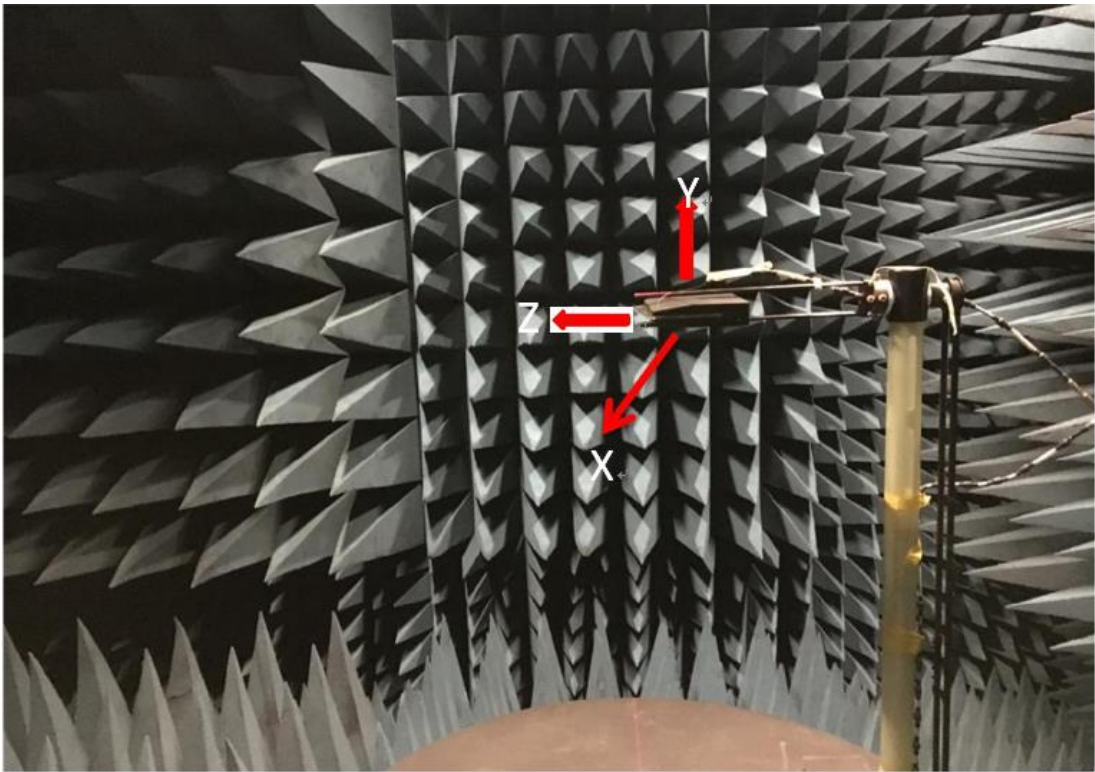
Photo

测试报告 Test Report

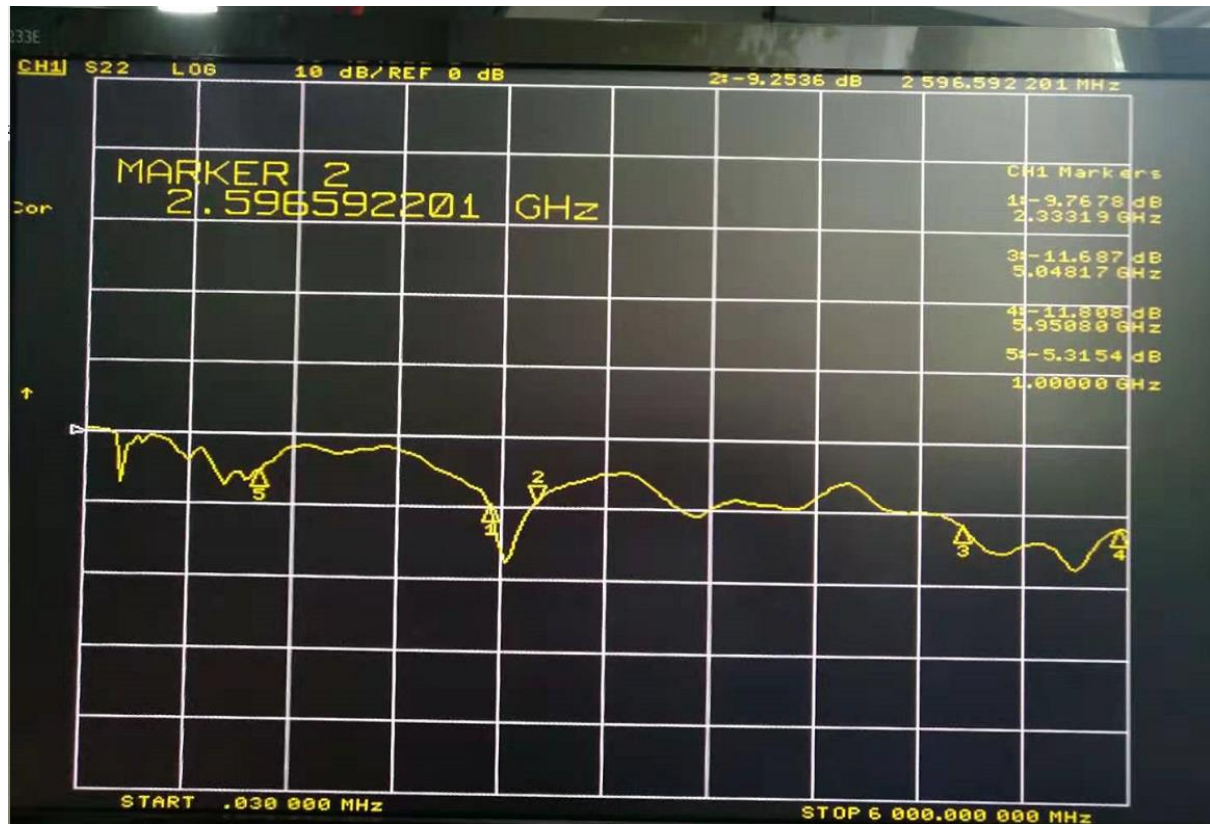
测试设备 Test Equipment

Serial	Equipment name	Equipment picture	Measurement index	Environment
1	Atenlab 3D Microwave Anechoic chamber		Passive Performance	
2	Agilent E5071C network Analyzer			Normal

Test Environment
测试环境



Return Loss/VSWR/Smith chart (2.4-5G) :





Return Loss/VSWR/Smith chart (**2.4-5G**)

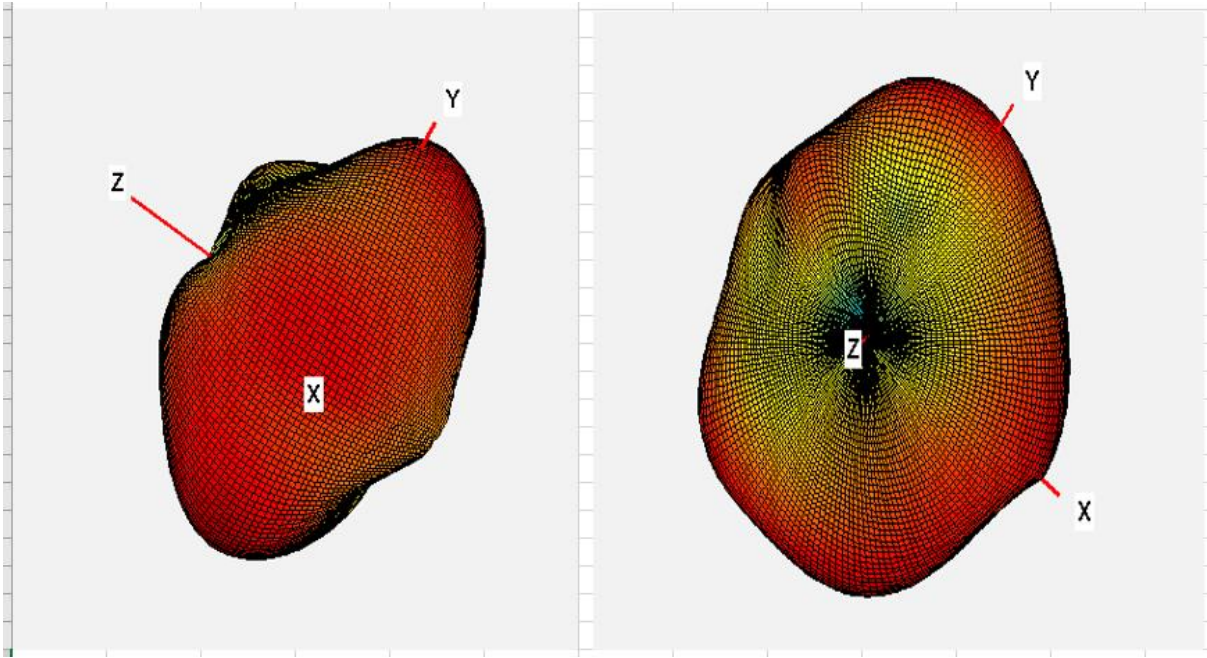
Frequency (GHZ)	2.4	2.68	5.20	6
Return loss(dB)	-9.6	-10	-8	-10

VSWR	2	1.87	2.32	1.89
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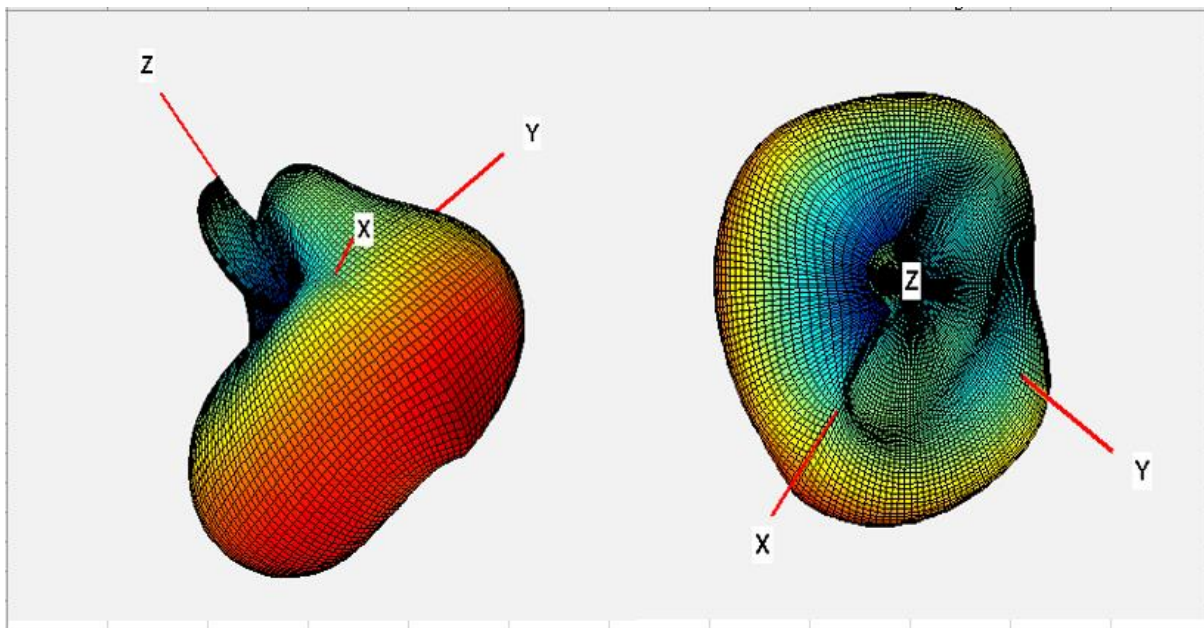
Antenna gain/Efficiency

Frequency(GHz)	2.4	2.41	2.42	2.43	2.44	2.45	2.46	2.47	2.48
Efficiency(%)	38.84	29.51	24.72	37.06	32.58	31.36	36.73	37.15	36.56
Peak Gain(dBi)	0.73	0.8	0.76	0.45	0.52	1.0	0.36	0.66	0.44
Frequency(GHz)	5	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8
Efficiency(%)	21.88	28.12	35.12	37.15	38.73	48.87	42.27	39.36	40.64
Peak Gain(dBi)	0.71	0.6	1.80	1.48	0.26	0.92	1.26	1.54	1.46

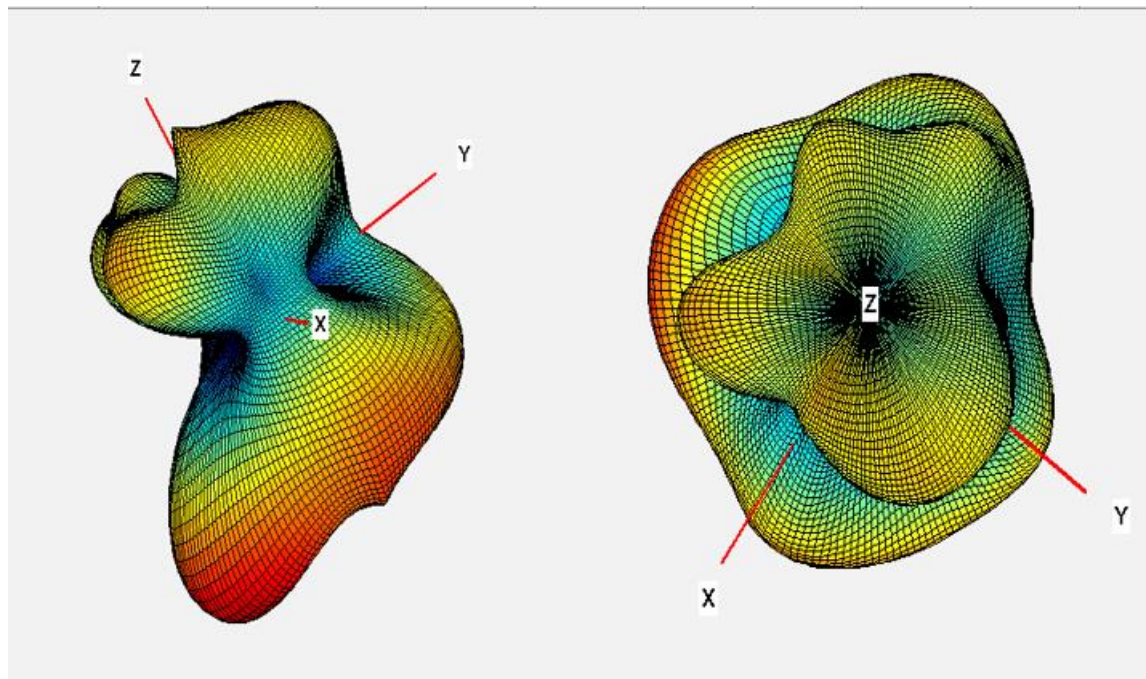
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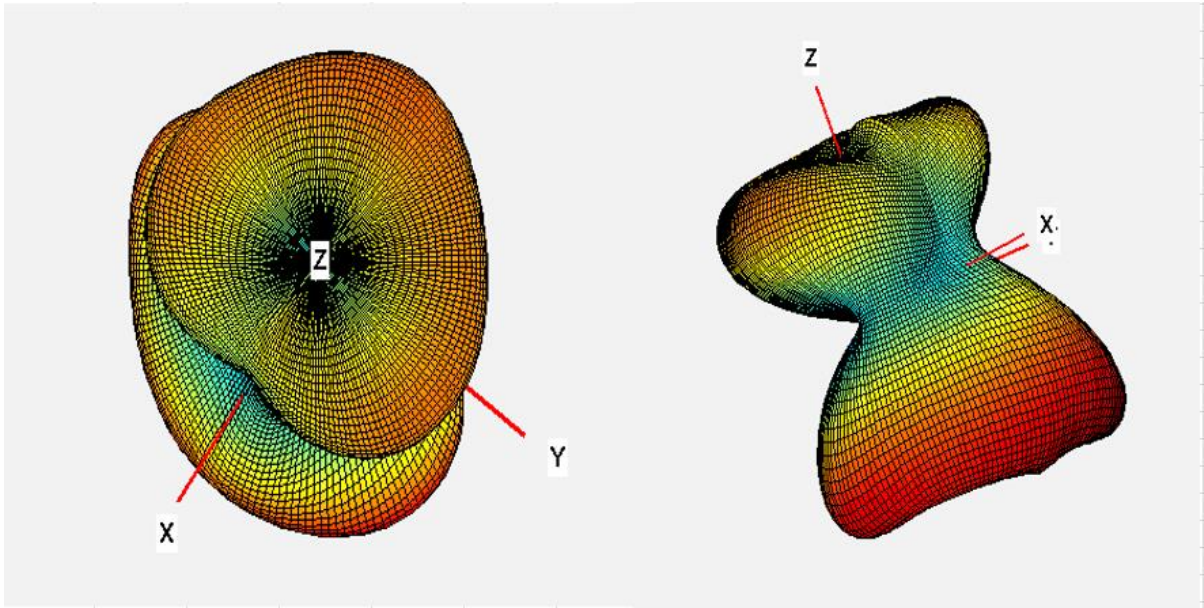
2400



5250



5500



5800