

Case Number: 201902211741000000000

Date: 2019.03.14

Version: A0

Specification

Antenna Model: 6015ANT

B&T Part Number: _____ Specification

Description: 2.4G built-in antenna (Φ 5.0 ×23.5)-black 1. 13 wire-terminal, wire length 33mm

Factory Stamp:

Write	Review	Approve
Cuiping Qiu	Hailin Tang	Qian Xie

Customer signature:

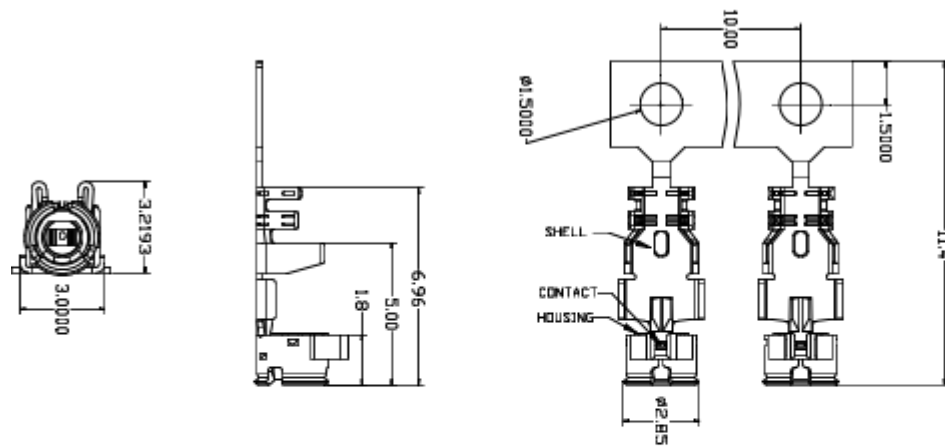
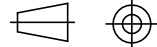
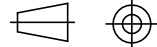
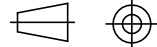
Check	Review	Approve

Contact B & T

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Product drawing

文件编号		单位: mm		版次	修订	日期
				A0	新增产品	19-03-14
<p>技术要求</p> <p>1: 线缆尺寸要准确, 电性能符合要求;</p> <p>2: 外观要求不可有色差, 污渍;</p> <p>3: “*”为重点检验尺寸。</p>						
设计		名称		2.4G内置天线(Φ 5.0×23.5)-黑色1.13线-端子, 见线长33mm		
审核		客户料号				
批准		料号				
		重量		数量比例		
		0.0		2:11		
		0.0		第 张 共 2 张		
		0.00		项目号 201902211741000000000		
		0°		中山市博安通通信技术有限公司		
外观		目视		极外观检验规范		
端子		GD/NG		插拔力 0KG左右		
线缆阻抗		C=0		插拔力 0KG左右		
VSWR		GD/NG		拉力计/挂重		
见线长		MAX		频率为2400~2500MHz		
检测内容		±3		网分仪		
		公差		尺		
		AQL=0.25		测试工具		
				备注		

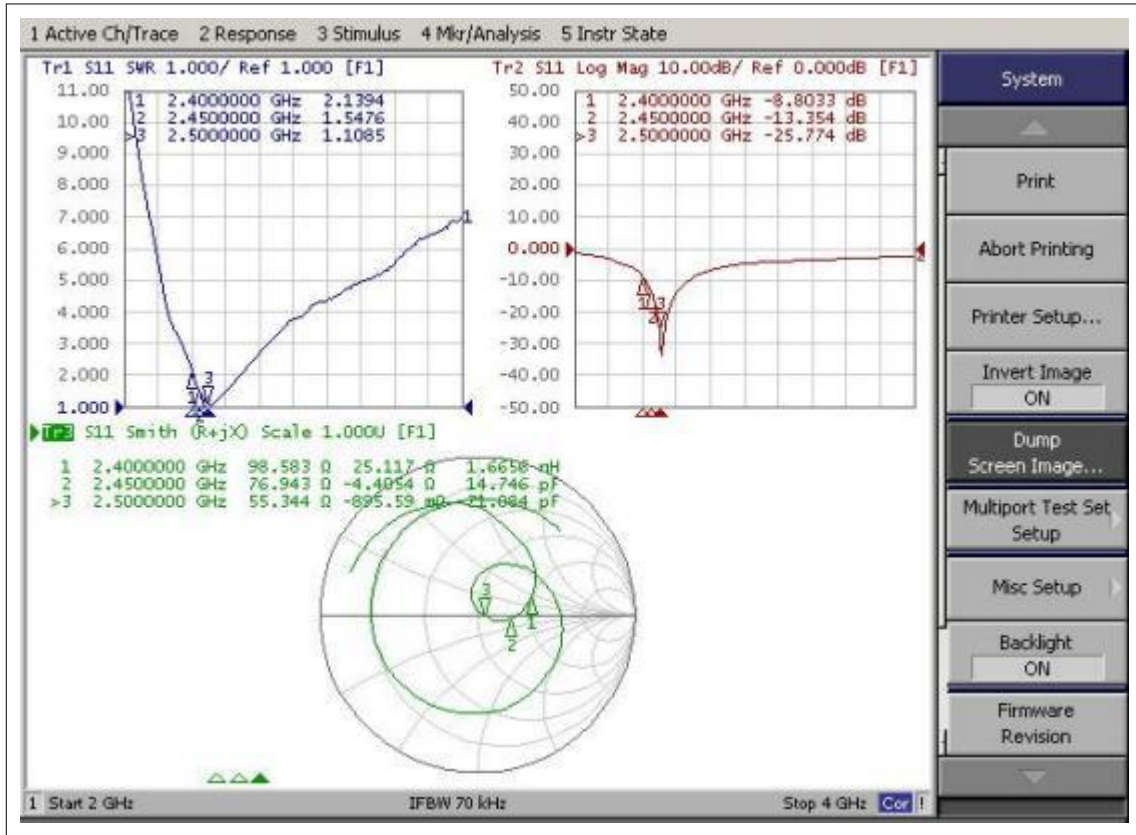
1 Number	3	Version	Mark	7 Update description	8 Date																																		
		A0		2014-10-30																																			
单位: mm																																							
																																							
<p>NOTES:</p> <ol style="list-style-type: none"> VOLTAGE RATING: 50V AC/DC CURRENT VS. TEP. RISE: 0.3A AC/DC, 30 C RISE Max ; INSULATION RESISTANCE: 100 MEGOHMS Min. DIELECTRIC WITHSTANDING VOLTAGE : 200V AC/Minute IMPEDANCE: 50±5 OHMS MATING FORCE: 3.5Kgf Max, UNMATING FORCE: ≥3N CABLE RETENTION FORCE: 1.0Kgf MIN. 																																							
		<table border="1" data-bbox="1227 1169 1630 1452"> <tr> <td>设计</td> <td>胡海军</td> <td rowspan="2">  </td> <td>名称</td> <td>IPEX端子-1.13</td> </tr> <tr> <td>审核</td> <td></td> <td>料号</td> <td>DG-112833-0449</td> </tr> <tr> <td>批准</td> <td></td> <td>重量</td> <td></td> <td></td> </tr> <tr> <td>0.</td> <td></td> <td>比例</td> <td>1:1</td> <td></td> </tr> <tr> <td>0.0</td> <td></td> <td>单位</td> <td>mm</td> <td></td> </tr> <tr> <td>0.00</td> <td></td> <td colspan="3">第 张 共 张</td> </tr> <tr> <td>0°</td> <td></td> <td colspan="3">中山市博安通通信技术有限公司</td> </tr> </table>		设计	胡海军		名称	IPEX端子-1.13	审核		料号	DG-112833-0449	批准		重量			0.		比例	1:1		0.0		单位	mm		0.00		第 张 共 张			0°		中山市博安通通信技术有限公司			<p>ZHONGSHAN B&T TECHNOLOGY Co., Ltd</p>	
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Performance parameters

Electrical parameters	
Frequency Range	2400~2500MHz
Input resistance	50Ω
VSWR	Refer to the test pattern
Gain	2.13dBi
Power Capacity	< 10w
Polarization mode	wirear polarization
Radiation direction	Omnidirectional
connector type	terminal
Mechanical parameters	
wire length	33±3mm
Sustainability	1Kg
Insertion force	/
Coaxial cable	Black 1. 13 wire
Salt spray test	24H
Environmental parameters	
Operating temperature	-30℃~65℃

Electrical Performance Test Report

S11 Parameter



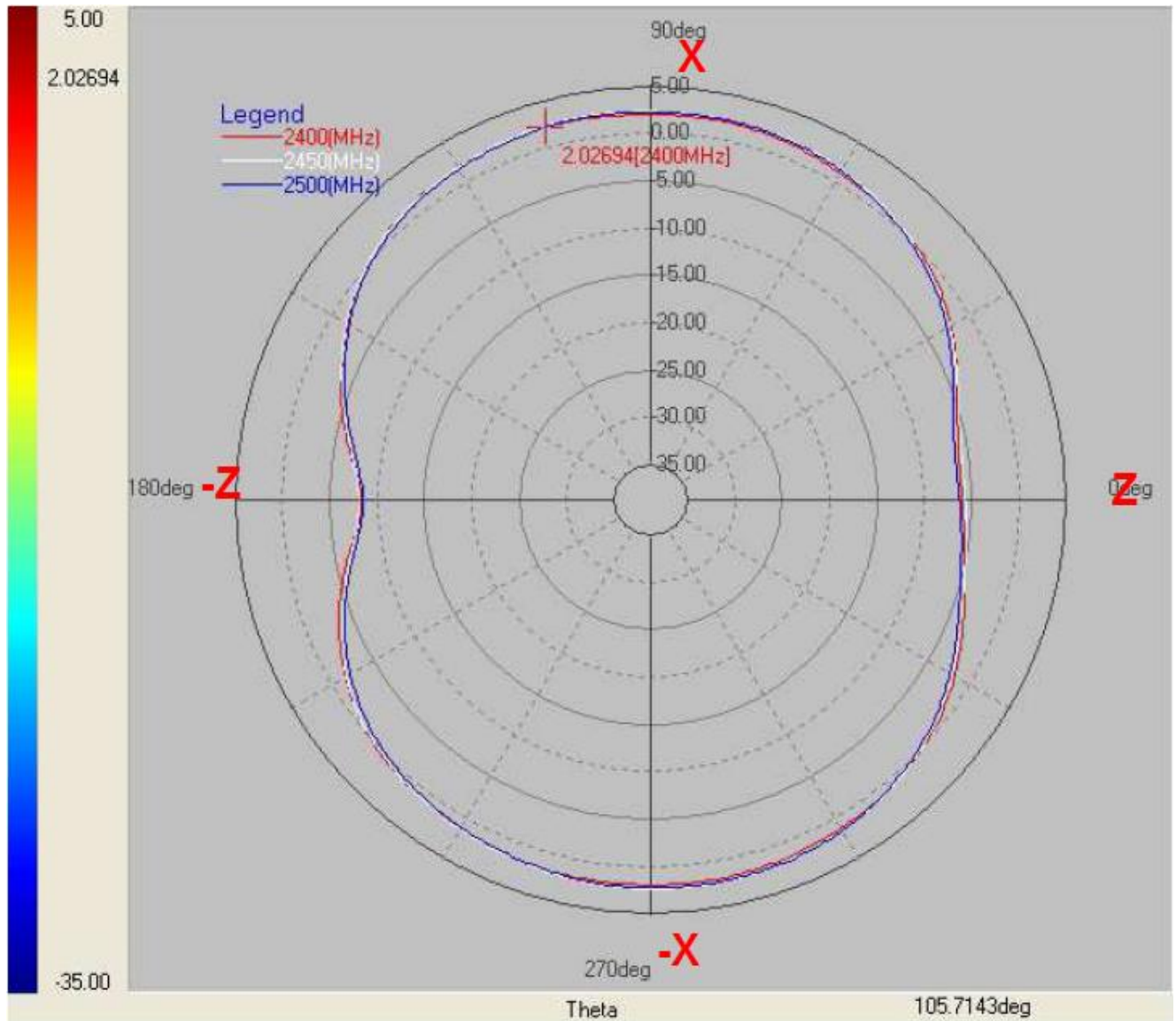
Antenna pattern

2400~2500 MHz

X-Z Plane

Phi=0.00deg

Gain . dBi



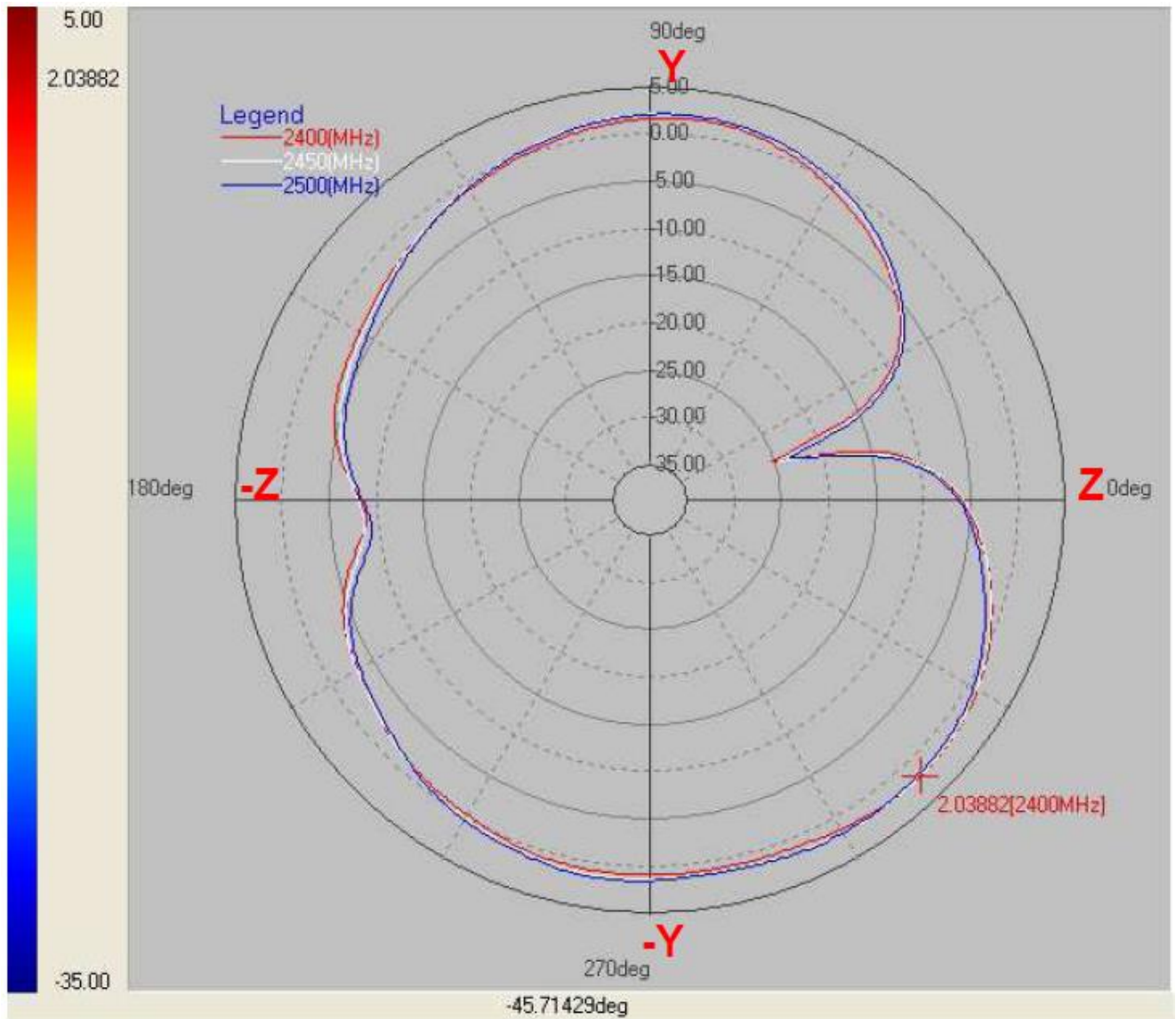
Layer	Max value	Min value	Average
2400(MHz)	2.03	-8.37	-0.17
2450(MHz)	2.10	-8.08	-0.04
2500(MHz)	2.12	-8.53	-0.21

2400~2500 MHz

Y-Z Plane

Phi=90.00deg

Gain . dBi



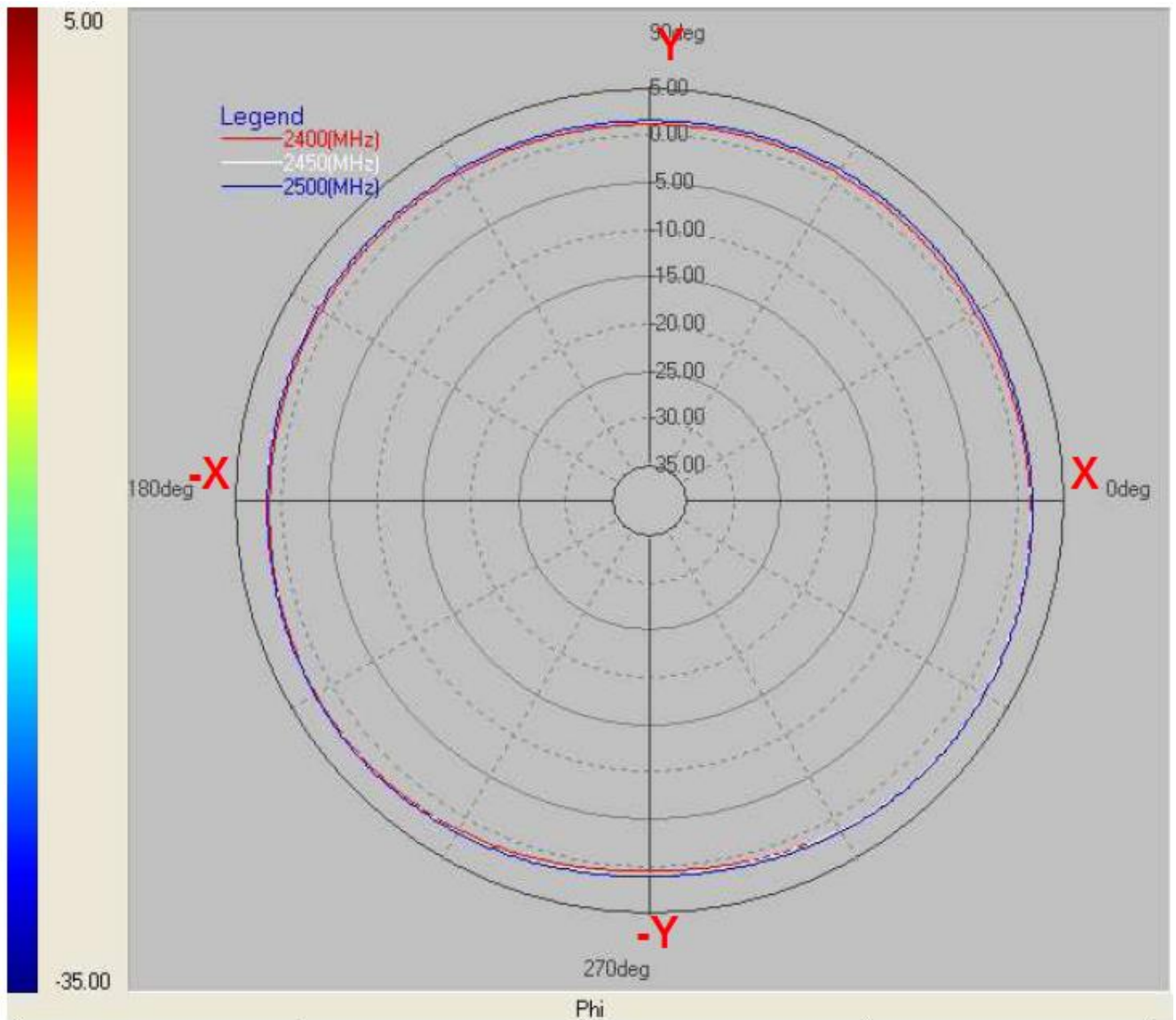
Layer	Max value	Min value	Average
2400(MHz)	2.04	-25.82	-1.07
2450(MHz)	2.02	-25.22	-0.82
2500(MHz)	2.01	-23.79	-1.07

2400~2500 MHz

X-Y Plane

Theta=90.00deg

Gain . dBi



Layer	Max value	Min value	Average
2400(MHz)	2.10	0.35	1.32
2450(MHz)	2.08	0.65	1.55
2500(MHz)	2.13	0.91	1.60