



深圳锐锋电子技术有限公司

SPECIFICATION FOR APPROVAL

客 户:

CUSTOMER: Actions Microelectronics Co., Ltd.

客户料号:

CUSTOMER PART No.: ANT-524-DPB001

型 号:

RF10007

Model Number:

品名/规格:

Item description/ Rod antenna length 178MM 2.4~2.5GHz&5.15~5.85GHz

Specification: SMA ROHS

本厂料号:

PART No.: C009-10007-A

制造地址:

Production address: Floor 4, Building B5, Xinfu Industrial Zone, Fuyong Heping
Chongqing Road, Bao 'an District, Shenzhen City, Guangdong
Province

日 期:

DATE: 2020.12.14

出样签章Sample signature

核准 APPROVED BY	确认 CHECKED BY	制作 DRAWED BY

客户承认签章The customer acknowledges the seal

核准 APPROVED BY	确认 CHECKED BY	检查 TESTED BY



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1. Contents 项目表

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2. Revision history变更履历

Revision 版本	Date 日期	Change the content 变更内容
X0	2020.12.14	

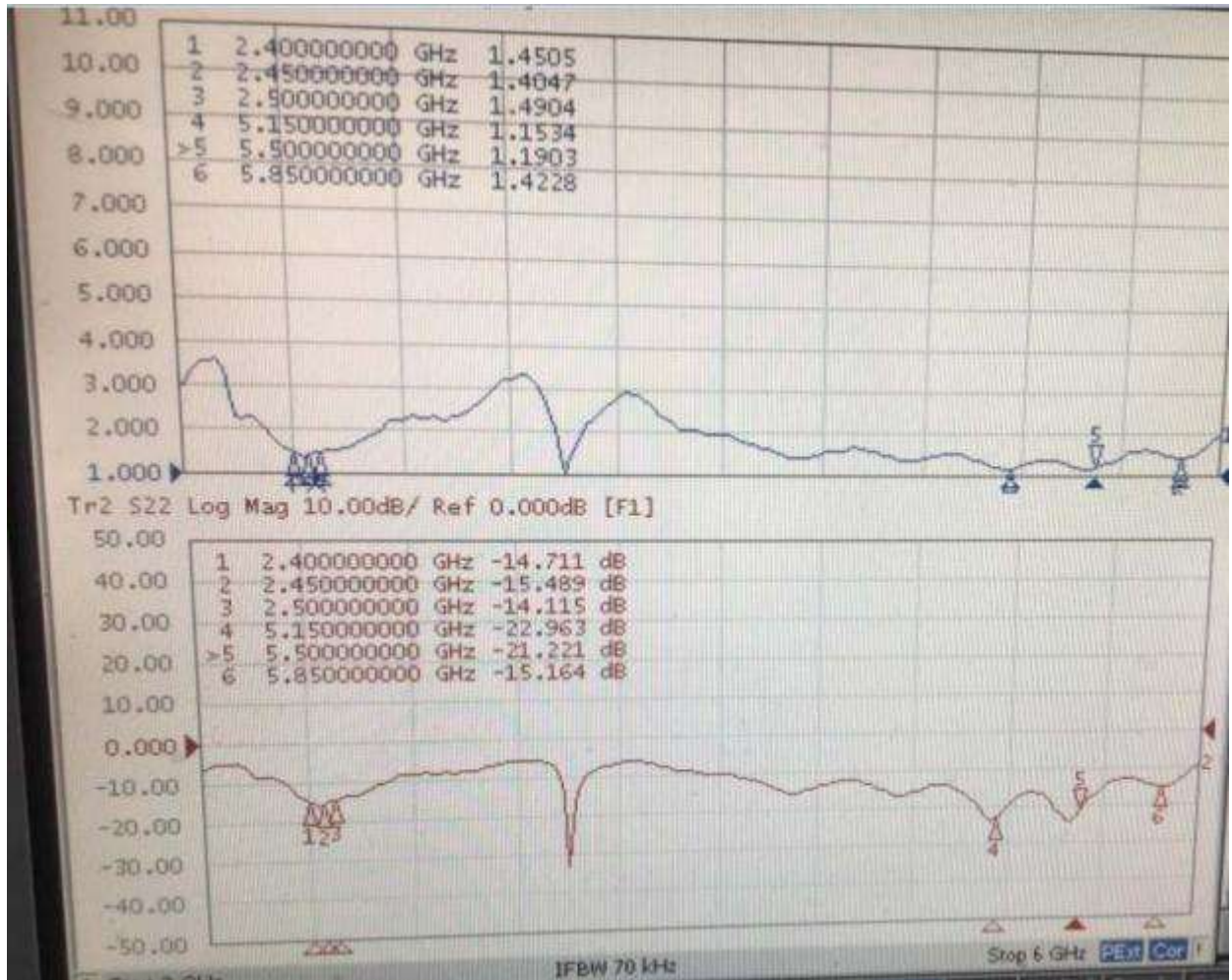
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3. 规格表 Specification

A. Electrical Properties	
Frequency Rang 频段范围	2.40-2.50GHz 5.15-5.85GHz
Impedance 特性阻抗	50 Ω Nominal
VSWR 电压驻波比	2.0Max.
Gain(peak) 增益 (峰值)	5.0dBi
Out of roundness 不圆度	3.0dB (Max.)
Radiation 辐射方式	Omni-Directional/全向
Polarization 极化方式	Linear Vertical/垂直
B. Physical Properties	
Connector Type 连接方式	SMA
Cable 线材	RG-178
Antenna Radiator 天线振子体	PCB FR
Antenna Plastic 天线塑胶	Body:TPE Hinge:PC+PBT Holder:PC+PBT
C. Environmental	
Storage Temp 存储环境范围	-40°C~+85°C
Operating Temp 工作环境	-10°C~+65°C
Storage humidity 存储湿度	95%
Working humidity 工作湿度	5%~95%

4. 电性测试报告Electrical Test Report

4.1 网络分析仪测试报告Network analyzer test report



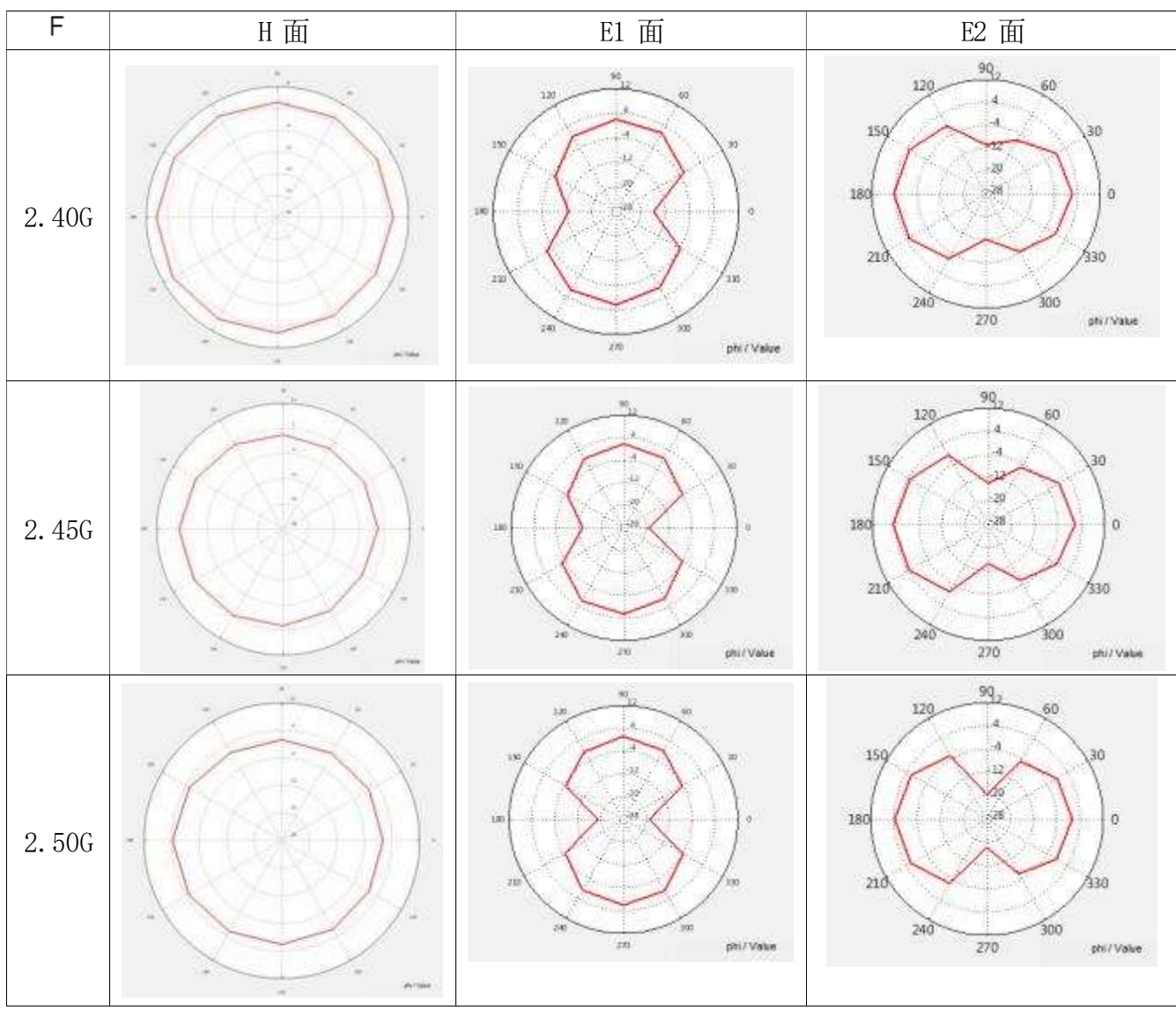
4.2 暗室无源测试数据Dark room passive test data

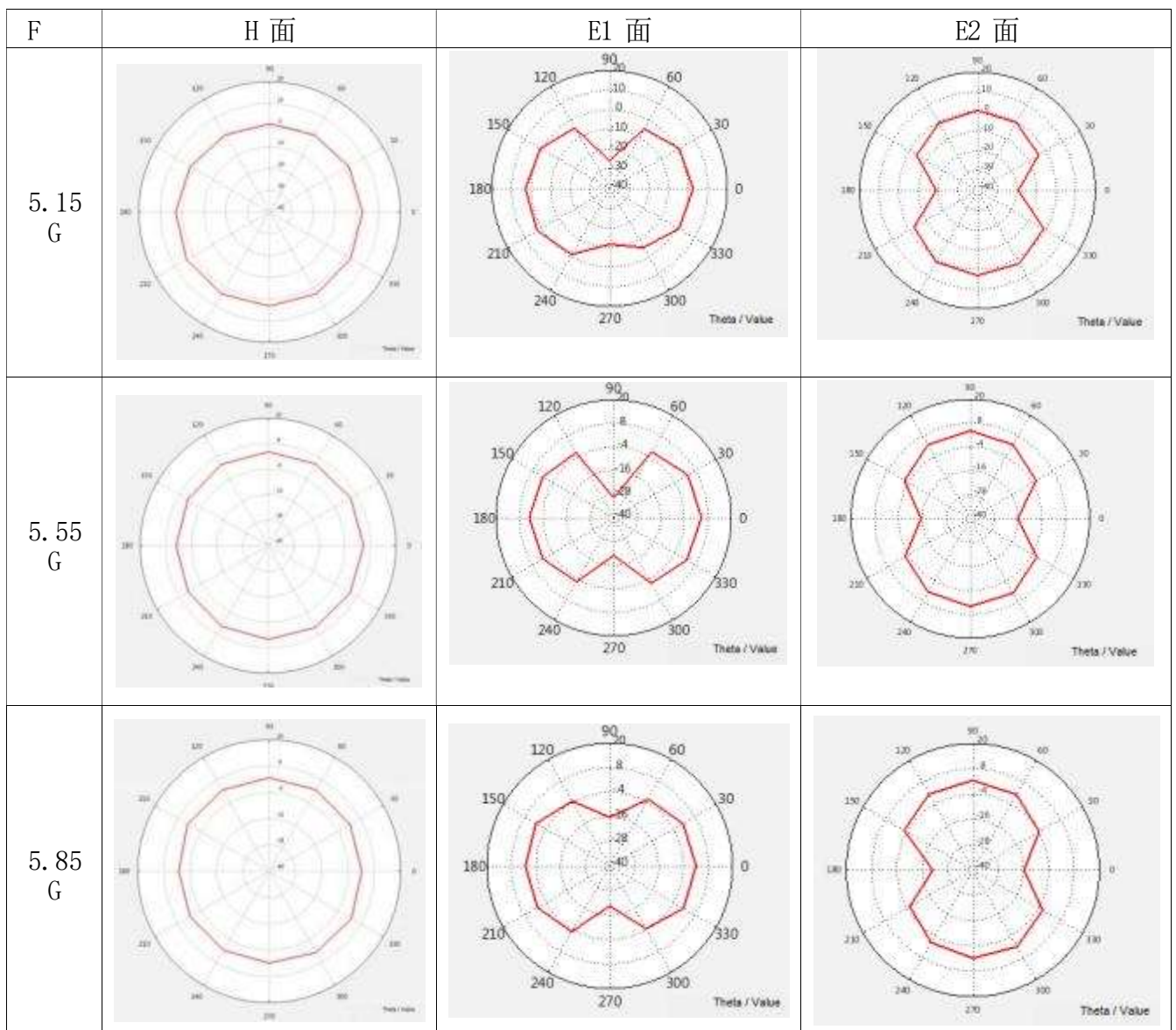
Frequency	2.4GHz	2.41GHz	2.42GHz	2.43GHz	2.44GHz	2.45GHz	2.46GHz	2.47GHz	2.48GHz	2.49GHz	2.5GHz
Efficiency (%)	74.3	77.09	82.04	79.25	76.21	77.8	77.98	82.79	84.72	87.3	88.31
Gain (dBi)	1.87	2.02	2.46	2.44	2.34	2.48	2.54	2.8	3	3.18	3.16

Frequency	5.15GHz	5.2GHz	5.25GHz	5.3GHz	5.35GHz	5.4GHz	5.45GHz	5.5GHz	5.55GHz	5.6GHz	5.65GHz	5.7GHz	5.75GHz	5.8GHz	5.85GHz
Efficiency (%)	63.83	59.43	61.09	62.37	61.38	60.53	67.61	63.97	63.24	67.76	67.45	75.34	77.62	80.35	76.56
Gain (dBi)	2.1	5	2.52	3.29	3.3	2.79	3.66	3.38	3.4	3.73	3.55	3.71	3.7	5	3.1

4.3 暗室2D、3DRaditation Pattern

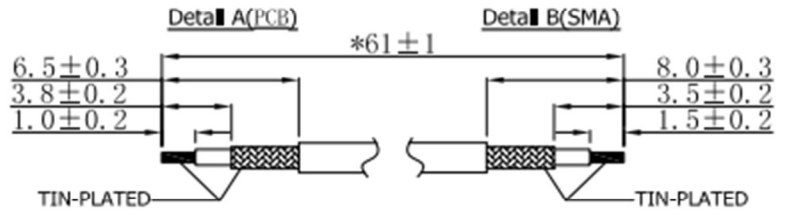
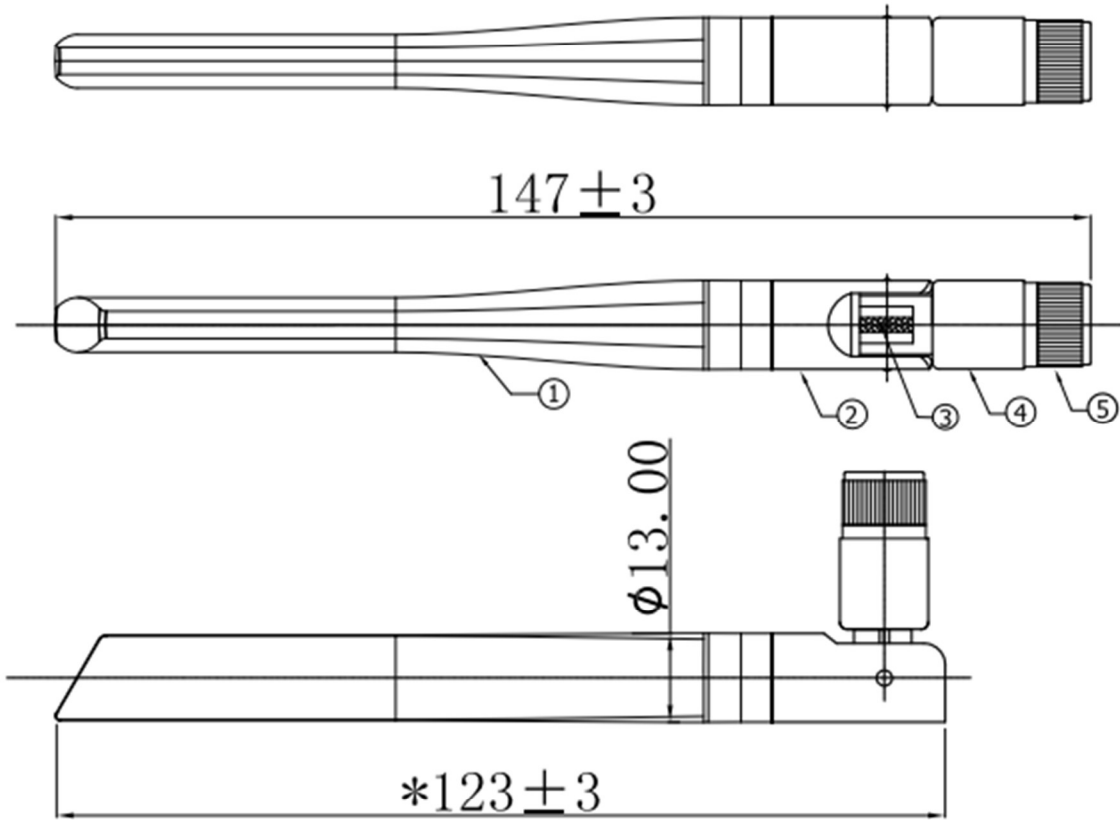
2. 4G





工程图

SIGN	DATE	DESCRIPTION	APPROVER
X0	20.12.18	New drawing	JOHN.LIU



6	P40-02002-R	PCB板	FR-4	双面覆铜 OSP 绿油 PCB009	1
5	P20-01002-R	SMA公头母针	BRASS	黑色POM外壳	1
4	P50-03003-R	下固定座	PC+PBT	黑色 CD-13 免打铆钉 小圆孔	1
3	P10-04001-R	RG-178 CABLE	镀锡铜	50Ω 棕色 L:61mm	1
2	P50-02003-R	上固定座	PC+PBT	黑色 CD-374 免打铆钉	1
1	—	杆套	TPE	黑色 刀锋	1
No.	Part Number	Name	Material	Describe	Q'ty

NOTE:
1. 带“*”为重点管制尺寸;
2. 电测:
Frequency Rang:2.4&5.8GHz
Impedance:50Ω
VSWR:2.0MAX
Gain(Peak):2.0dBi
3. 工作环境:-10℃~+65℃;
4. 环保要求: RoHS 2.0;

TITLE:		外置可拧天线		深圳锐锋电子技术有限公司							
P/N:		---									
CUSTOMER:		锐锋									
DRAW NO.:		C009-10007-A				APPROVED					
DIMENSIONS TOLERANCES UNLESS OTHERWISE NOTED						CHECKED					
一般公差 TOLERANCE		.XXX	±0.1	XX,	±5	SHEET: 1/1	SCALE: NONE	UNIT: mm	REV.X0	DRAWED	JOHN. LIU
		.XX	±0.3								
		.X	±1.0								
		X	±3.0								