



Tengxiang Technology.Inc

东莞市腾祥电子有限公司

Product Number: AN1905-04B05RS-B

Product Name: Antenna

Specification For Approval

Date: 2026.6.18

Version: 1.0

客户名称

Customer:

神牛

客户料号

Customer P/N:

腾祥料号

T X P/N:

AN1905-04B05RS-B

规格描述

Description :

1880-1930MHz 黑色天线 RP SMA 公头母针

Tengxiang Checked By: 腾祥审核		Customer Approved By: 客户审核	
DRAWN 制作	雷建洪	TESTED BY 检测	
CHECKED BY 审核	胡超	CHECKED BY 审核	
Q.C.DEPT. 品管	陈祖喜	Q.C.DEPT. 品管	
APPROVED BY 核准	袁江福	APPROVEDBY 核准	



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东莞市腾祥电子有限公司

Product Number: AN1905-04B05RS-B

Product Name: Antenna

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Revision History (变更履历)

Revision	Date	Change Notification	Description
1.0	2026.6.18	初版	

Product Number: AN1905-04B05RS-B

Product Name: Antenna

1. Specification

Sample Photo	
	
A. Electrical Characteristics	
Frequency 频率	1880-1930MHz
S.W.R. 驻波比	≤ 2.0
Antenna Gain 增益	-0.68dBi
Polarization 极化方式	Linear
Impedance 阻抗	50 Ohm
B. Material & Mechanical Characteristics	
Material of Plastic 塑胶材质	TPEE
Connector Type 连接器规格	RP SMA PLUG
C. Environmental	
Storage Temperature 存储温度	- 40 °C ~ + 80 °C
Operation Temperature 工作温度	- 40 °C ~ + 80 °C

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2. Characteristics and Reliability Test

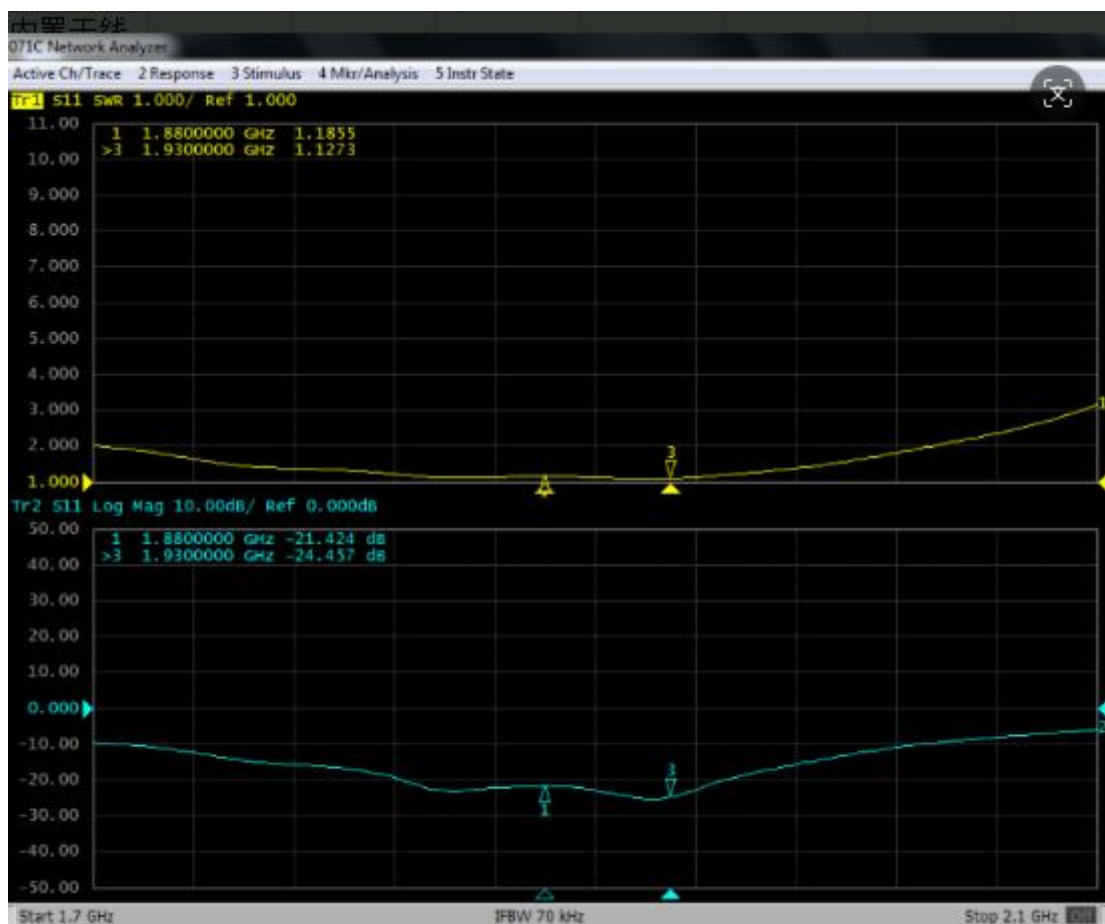
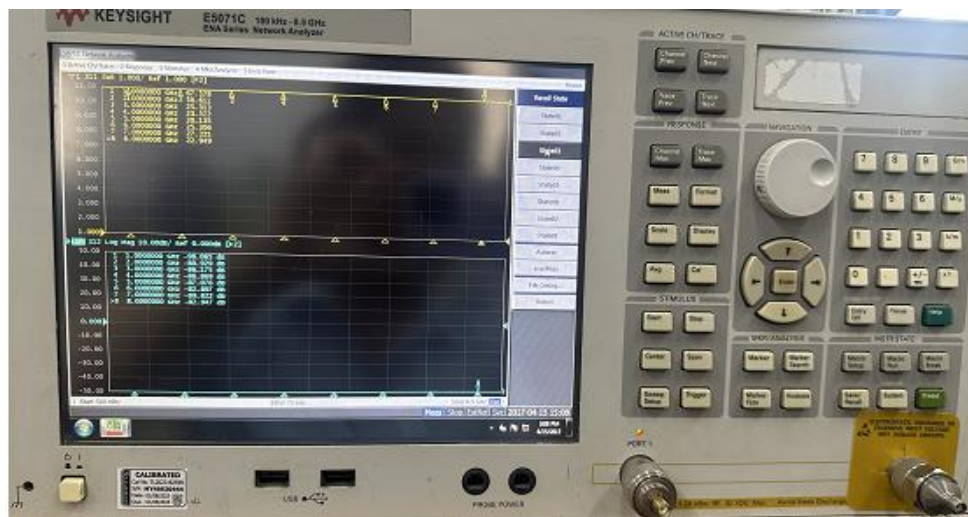
Test Items 测试项目		Test Condition and Procedure 测试方法	Requirements 要求	Result 结果
1	V.S.W.R. 电压驻波比	Set DUT on Network Analyzer; make individual calibration to test 设置网络分析仪参数进行测试	Directive DUT specification 符合待测物规范	PASS
2	Antenna Gain 天线增益	Set DUT on Antenna Chamber; make individual calibration to test 设置天线暗室参数进行测试	Directive DUT specification 符合待测物规范	PASS
3	Pull Test 拉力	Holding with individual specification; force applied to axis of terminal 单独定义产品端子拉力	1. Directive DUT specification 2. Frequency Tol. $\leq 5\%$ 符合待测物规范; 频率偏移 $\leq 5\%$	PASS
4	Torque Test 扭力	Holding with individual specification; applied clockwise and counterclockwise to the axis of terminal 单独定义产品端子之顺时针及逆时针扭力	1. Directive DUT specification 2. Frequency Tol. $\leq 5\%$ 符合待测物规范; 频率偏移 $\leq 5\%$	PASS
5	Dimension 尺寸	Inspection of dimension, color, material, package, surface process. 检查尺寸, 颜色, 材料, 包装, 表面处理	Directive DUT specification 符合待测物规范	PASS
6	Salt Spray 盐雾	GB / T 2423.17-2008 Temp: 35°C; RH: $\geq 95\%$; NaCl solution: $\geq 5\%$; Time: 24H 温度 35°C; 湿度 $\geq 95\%$; 盐水浓度 $\geq 5\%$; 测试 24H	1. No Visual Damage 2. Frequency Tol. $\leq 5\%$ 无明显外观不良; 频率偏移 $\leq 5\%$	PASS
7	Temperature and Humidity Chamber 恒温恒湿	GB / T 2423.3-2006 Temp: 80°C / 12 H; -40°C / 12H RH: $\geq 90\%$; Time: 24H 温度 80°C 测试 12H 转 -40°C 测试 12H; 湿度 $\geq 90\%$; 时间 24H	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol. $\leq 5\%$ 恢复 2H 后, 无明显外观不良; 频率偏移 $\leq 5\%$	PASS
8	Aging test 老化	GB / T 2423.2 - 2008 Temp: 80°C; Time: 24 hours 温度 80°C, 测试 24H	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol. $\leq 5\%$ 无明显外观不良; 频率偏移 $\leq 5\%$	PASS
9	RoHS	With Reference to IEC 62321:2008 with flow chart 参考 IEC 62321 测试流程	Directive RoHS 2011/65/EU 符合 RoHS 2015/863/EU 标准	PASS

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3. Antenna - S Parameter Test Data

测试仪器: VSWR 是使用安捷伦 E5071C 连接到治具来测试, 状态为自由空间。



Product Number: AN1905-04B05RS-B

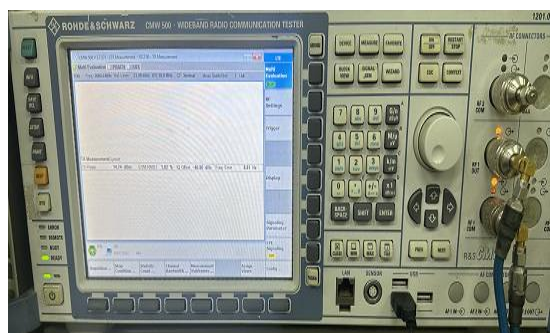
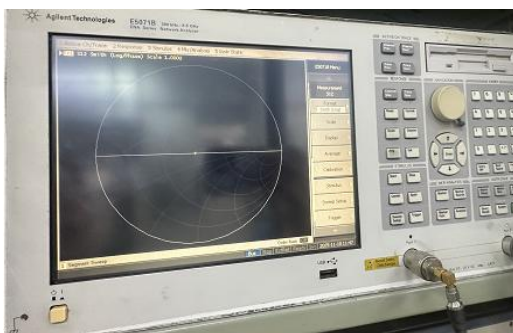
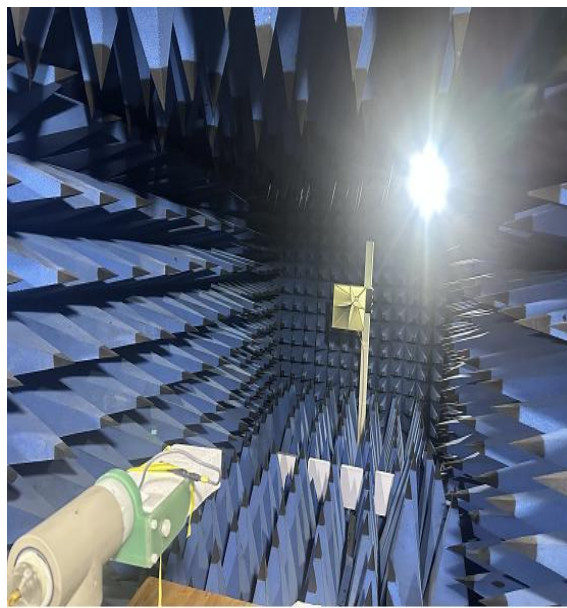
Product Name: Antenna

3. Test environment and equipment

暗室规格: 6m*6m*6m/7m*3m*3m

LTE-TDD/FDD-SCDMA 测试设备: ROHDE&SCHWARZ CMW500

无源效率测试设备:Agilent Technologies E5071B



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4. Antenna - Radiation Pattern Test Data

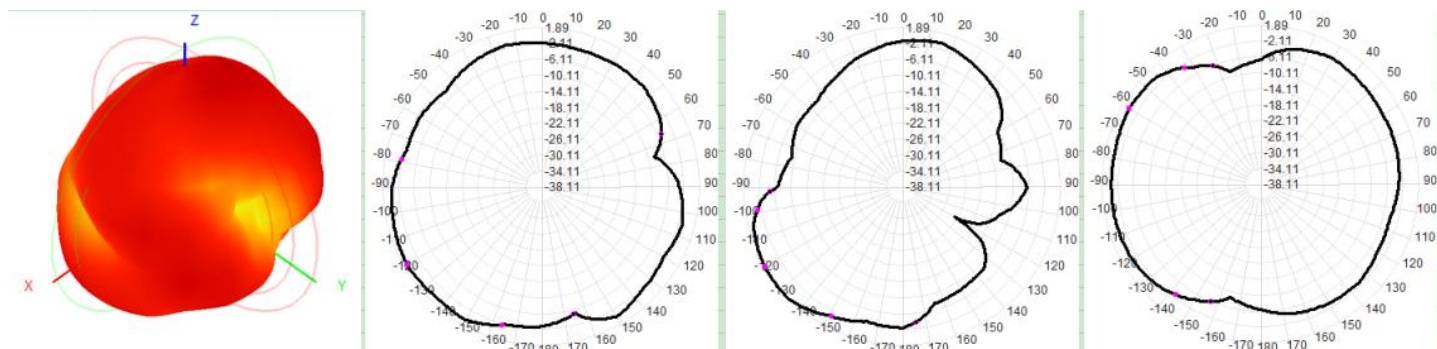
Frequency ID	1	2	3	4	5	6
Frequency (MHz)	1880.0	1890.0	1900.0	1910.0	1920.0	1930.0
Gain (dBi)	-1.08	-0.87	-0.68	-0.81	-0.88	-1.14
Efficiency (%)	53.13	53.83	55.40	55.93	54.05	53.69

XZ

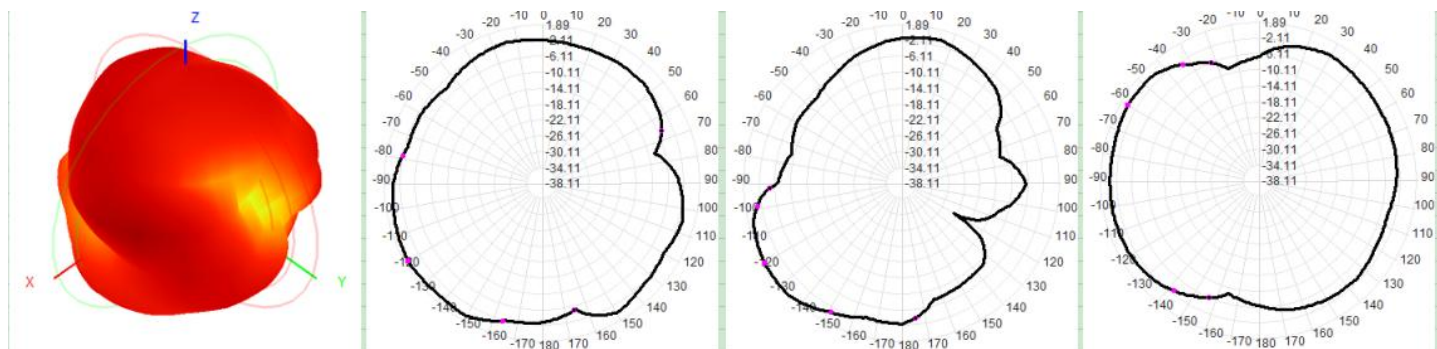
YZ

XY

1880MHz



1930MHz

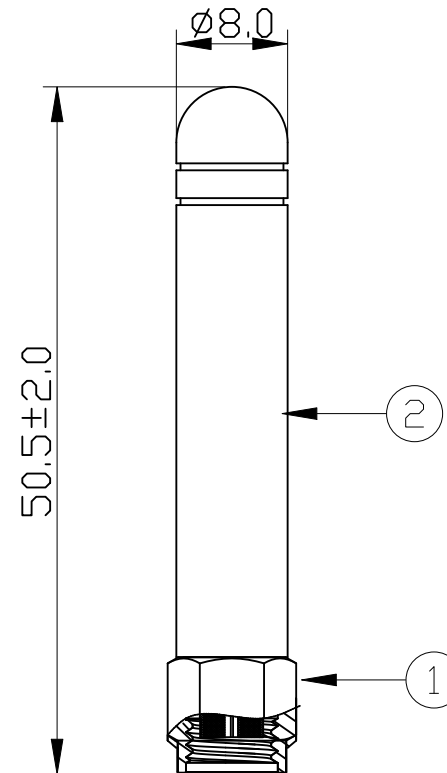


6.Mechanical Drawing See attached files

RoHS

Compatible

SIGN	DATE	DESCRIPTION	APPROVER
△			
△			
△			



Note:

1. Dimension: Take * is the important dimension
2. Tolerance: Unmarked tolerance refer to the standard tolerance please

2	AN0402-01B	Body	TPEE	Black	1
1	SMA507-G8MRAN04	RP SMA PLUG	Cu	Au Plated	1
No.	Part Number	Name	Material	Finish	Q'ty



Tengxiang Technology Inc.

TITLE: Antenna

PART NO.: AN1905-04B05RS-B

DWG NAME:

APP BY	CHK BY	RF BY	DES BY		Tolerance	
YCX	HC	YJF	DWF		UNITS: mm	X.X ±0.5
2026.06.18	2026.06.18	2026.06.18	2026.06.18		SCALE: 1/1	X.XX ±0.2
					REVISION: A	X° ±1

產品包裝規範

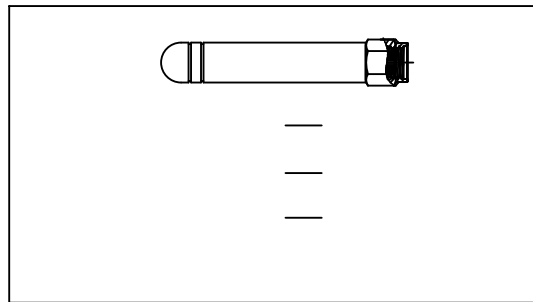
PACKING CRITERION

Date: 2026.06.18

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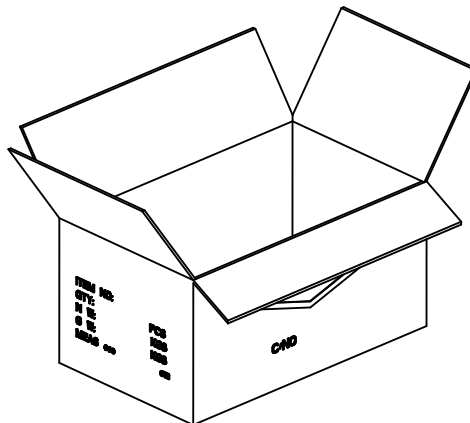
Part Number : AN1905-04B05RS-B	Revision : A
Name: Antenna	Customer : ALL

1 . Enter PE bag。



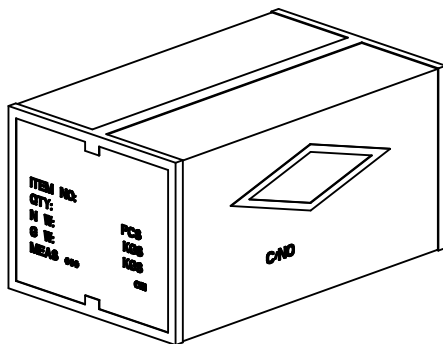
50pcs/ PE bag

2.PACKING。

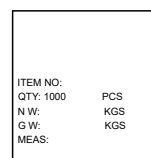


1000pcs/Carton

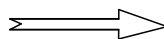
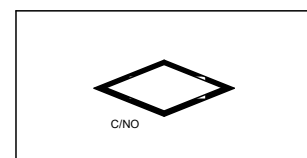
3. SEALING。



SIDE



FRONT



APPROVED BY: YCX

CHECKED BY: HC

DESIGNED BY: DWF