



Tengxiang Technology.Inc

东莞市腾祥电子有限公司

Product Number: AG1575-04060BX

Product Name: Antenna

Specification For Approval

Date: 2026.09.01

Version: 1.0

客户名称

Customer:

客户料号

Customer P/N:

腾祥料号

T X P/N:

AG1575-04060BX

规格描述

Description :

RTK 双层陶瓷天线

OD1.13mm 黑色线 60mm+1 代端子

Tengxiang Checked By: 腾祥审核		Customer Approved By: 客户审核	
DRAWN 制作	路婷	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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Revision History (变更履历)

Revision	Date	Change Notification	Description
1.0	2026.09.01	初版	

1. Specification

 多系统兼容，可接收并利用 GPS、GLONASS、Galileo、QZSS 及北斗的民用信号，覆盖全球主要导航系统。 高信道利用率、高灵敏度和多频点兼容能力。	
Supported positioning signal bands 支持卫星信号	BDS B1+B2、GPS L1+L5、 GLONASS L1、GALILEO E1+E5
Patch Architecture 天线结构	双层陶瓷 (25*25*2+18*18*2mm)
Peak Gain 增益	3dBi
Polarization 极化方式	右旋圆极化 (RHCP)
Impedance 阻抗	50 Ohm
Axial Ration@zenith 天线轴比@天顶	≤3dB
Azimuth Coverage 水平面覆盖角度	360°
Frequency Range 工作频段	1575.45、1561.098、1176.45
Adjacent Channel Rejection 邻道抑制	≥40dB
Stopband Rejection 阻带抑制	≥38dB
LNA Gain 低噪放增益	≥40dB
Noise Figure 噪声系数	≤1.6dB
Output VSWR 输出驻波比	≤2
Operation Voltage 工作电压	2.2V~3.3V
Operation Current 工作电流	≤9mA
Dimension 天线尺寸	25 * 25 * 8.0mm
Connector 射频连接器接口	IPEX-1
Cable 线材规格	OD1.13mm 黑色线 60mm
Weight 产品重量	11.5g
Storage Temperature 存储温度	-40°C ~ +85°C
Operation Temperature 工作温度	-40°C ~ +85°C
Humidity 湿度	95% No-condensing
Salt Spray 盐雾	24H
RoHS 环保标准	RoHS2.0

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2. Test environment and equipment

暗室规格: 6m*6m*6m/7m*3m*3m

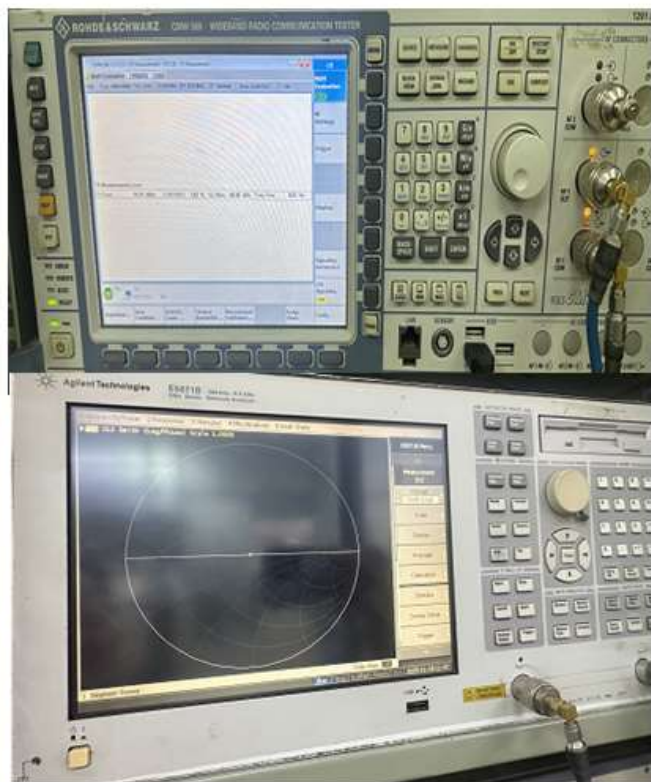
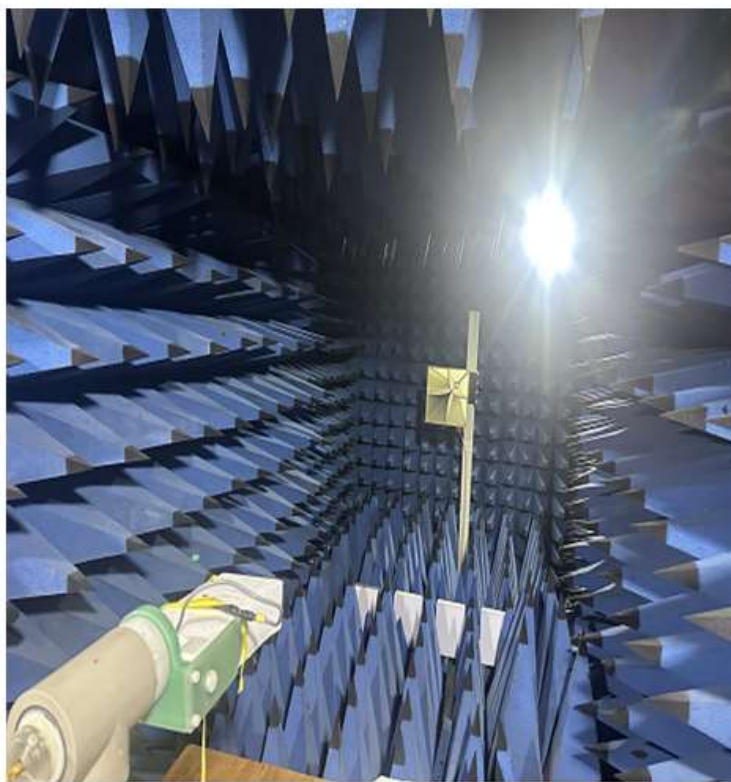
LTE-TDD/FDD-SCDMA 测试设备: ROHDE&SCHWARZ CMW500

无源效率测试设备:Agilent Technologies E5071B

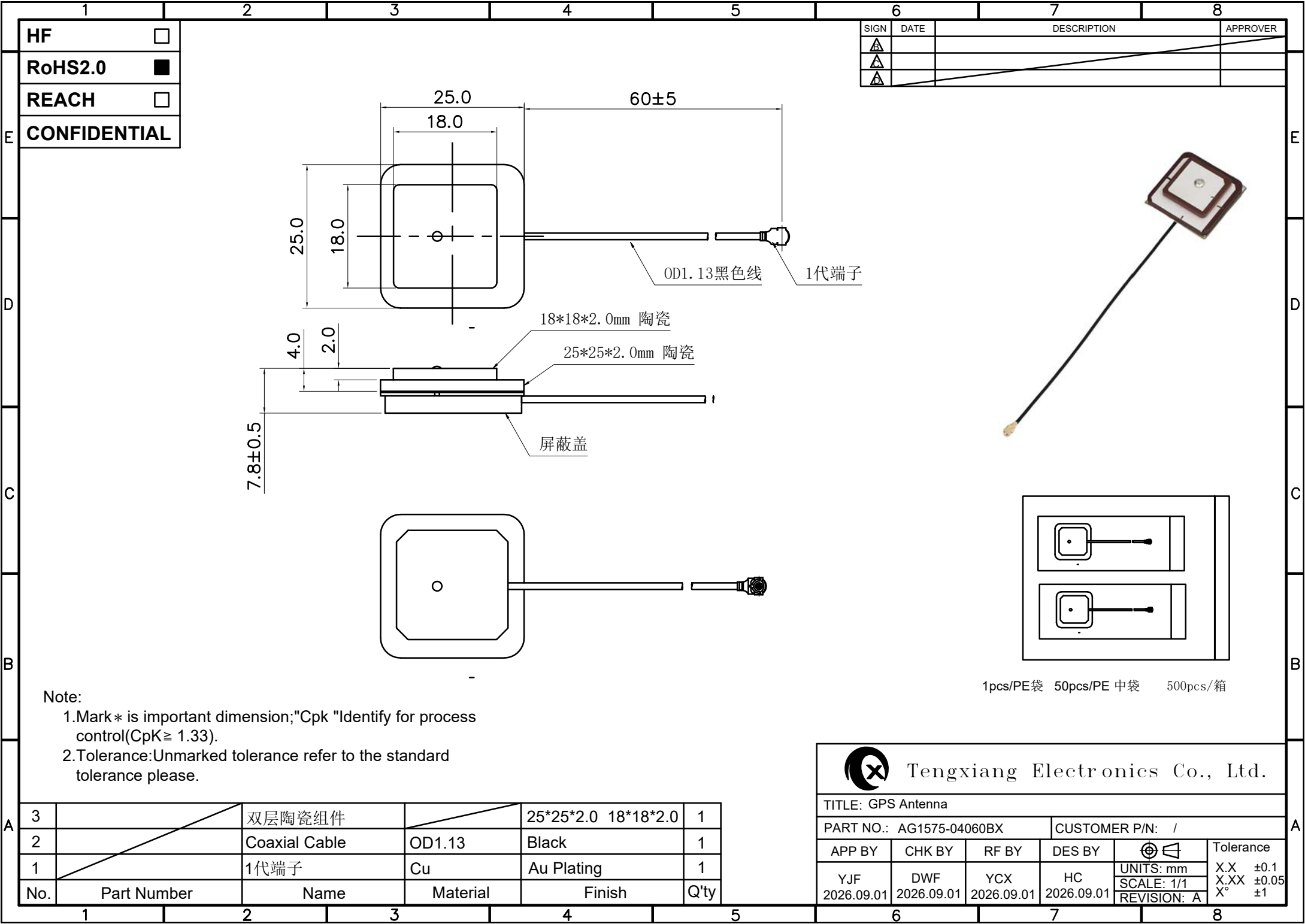


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3. Antenna Test Data (批量产品抽测搜星效果图)



HF

RoHS2.0

REACH

CONFIDENTIAL

SIGN	DATE	DESCRIPTION	APPROVER
△			
△			
△			

Note:

1.Mark* is important dimension;"Cpk "Identify for process control(CpK≥ 1.33).

2.Tolerance:Unmarked tolerance refer to the standard tolerance please.

3		双层陶瓷组件		25*25*2.0 18*18*2.0	1
2		Coaxial Cable	OD1.13	Black	1
1		1代端子	Cu	Au Plating	1
No.	Part Number	Name	Material	Finish	Q'ty

 Tengxiang Electronics Co., Ltd.						
TITLE: GPS Antenna						
PART NO.: AG1575-04060BX				CUSTOMER P/N: /		
APP BY	CHK BY	RF BY	DES BY			Tolerance
YJF 2026.09.01	DWF 2026.09.01	YCX 2026.09.01	HC 2026.09.01	UNITS: mm		X.X ±0.1
				SCALE: 1/1		X.XX ±0.05
				REVISION: A		X° ±1