



**Spectrum Research
& Testing Lab., Inc.**

No. 167, Ln. 780, Shan-Tong Rd.,
Ling 8, Shan-Tong Li, Chung-Li Dist.,
Taoyuan City 320, Taiwan (R.O.C.)

TEST REPORT

Reference No.: A25060506
Report No.: ACOA25060506
Date: Jun. 12, 2025
Page: 1 of 8

ACOUSTIC NOISE TEST REPORT

Product Name : POSITIVO MASTER C4500
Model Number : POSITIVO MASTER C4500
Applicant : Positivo Tecnologia S.A.
Rua João Bettega 5200 CIC Cutiriba, PR 81350-000 BRAZIL
Date of Receipt : Jun. 12, 2025
Final date of Test : Jun. 12, 2025
Applicable Standards : ISO 7779, ISO 9296 / NBR 10152 Brazil's regulation

We, **Spectrum Research & Testing Laboratory Inc.**, hereby certify that one sample of the above was tested in our laboratory according to the specifications required by the applicant. Details of the results are given in the subsequent pages of this report. The test results in the report apply only to the sample(s) tested by SRT Lab; this report shall not be reproduced except in full, without the written approval of the laboratory.

Tested By: *JA* , Date: 6/12/2025

Approved By: *2 12* , Date: 6/12/2025



Table of Contents

1.	DOCUMENT POLICY, TEST STATEMENT.....	3
1.1	DOCUMENT POLICY	3
1.2	TEST STATEMENT	3
1.3	EUT MODIFICATION.....	3
1.4	DECISION RULE.....	3
1.5	REPORTING STATEMENTS OF CONFORMITY	3
2.	DESCRIPTION OF APPLIED SPECIFICATIONS	4
2.1	GENERAL DESCRIPTION OF EUT	4
2.2	DESCRIPTION OF EUT INTERNAL DEVICE.....	4
3.	DESCRIPTION OF APPLIED STANDARDS.....	4
4.	ACOUSTIC TEST	5
4.1	TEST EQUIPMENT	5
4.2	TEST SETUP.....	5
4.3	TEST PROCEDURE.....	5
4.4	TEST RESULT OF ACOUSTIC PRESSURE LEVEL (NOISE)	6
5.	PHOTOS OF SETUP.....	7



1. DOCUMENT POLICY, TEST STATEMENT

1.1 DOCUMENT POLICY

The report shall not be reproduced except in full, without the written approval of SRT Lab, Inc.

1.2 TEST STATEMENT

- This report provides the test procedures and the test result to verify the tested unit provided by the applicant for the following: operational capabilities under normal conditions, and operational capabilities under various environmental conditions.
- The test results in the report are applies for the EUT tested by SRT Lab.
- The data shown in this report reflects the test results for the condition described in the report.

1.3 EUT MODIFICATION

No modifications were made by SRT Lab.

1.4 DECISION RULE

- To make sure the testing report(s) meet the requirement of ISO/IEC 17025:2017 standard and meet chapter 7.1 (Review of Requests, Tenders and Contracts), chapter 7.4 (Handling of Test or Calibration Items), chapter 7.8.2 (Reporting of Results – Common Requirement for Reports (Test, Calibration or Sampling)), This decision rule will be the base of adjustment (include the disclaimer scope) from SRT Lab.
- After communicate between SRT Lab. and clients /applicants and get the agreement, SRT Lab. will do the adjustment. According to this decision rule, SRT Lab. Manager(s) will do the Pass or Fail adjustment. (But one thing needs to be concerned is, not every assessing rule suits all declaration of conformity assessing actions, it should be ruled depends on product's feature, test standard, technical regulation, test results, and also acceptance of risk of both sides.)
- This report according to the "description of applied standards and statements of conformity" on the report, as the decision rule.

1.5 REPORTING STATEMENTS OF CONFORMITY

Base on ISO/IEC 17025, the statements of conformity requirement of testing results.

- It does not need to provide the statements of conformity.
- It need to provide the statements of conformity and
 - Uses the Procedure 2 Accuracy Method & IEC EE OD-5014 Accuracy Limits of IEC guide 115, not need for measurement uncertainty.
 - It need to provide additional uncertainty of the testing results or data on the report(s).

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2. DESCRIPTION OF APPLIED SPECIFICATIONS

2.1 General description of EUT

Product Name	POSITIVO MASTER C4500
Model Number	POSITIVO MASTER C4500

NOTE: For more detailed information, please refer to the EUT's specification or user's manual provided by manufacturer.

2.2 Description of EUT Internal Device

DEVICE	Brand / maker	MODEL #	remark
AC/DC ADAPTER	POSITIVO	PI-ADAP120-A	Input: 100-240V~ 50/60Hz 2.0A Max Output: +19V=6.32A, 120.0W
Metal Enclosure	POSITIVO	UFG03R	---
Motherboard	POSITIVO	POS-RAX600FK	---
Processor	AMD	AMD Ryzen™ 7 PRO 8700GE	Base Clock: 4.2 GHz (Max. Boost: Up to 5.1 GHz)
Memory	interchangeable	Interchangeable	DDR5 SODIMM, 16 GB (8 GB x 2 pcs)
Solid State Drive	interchangeable	interchangeable	1024 GB

3. DESCRIPTION OF APPLIED STANDARDS

The tested unit was tested according the specification required by applicant. The test specifications are described below:

Item	Requirement	Standard	Description
1	Acoustic pressure level (Noise) at idle	ISO 7779 ISO 9296 NBR 10152 Brazil's regulation	Maximum acoustic pressure level must be measured and provided.
2	Acoustic pressure level (Noise) at background task		Maximum acoustic pressure level must be measured and provided. Software PassMark Burn-in test at 50% workload for CPU and memory.
3	Acoustic pressure level (Noise) at full load		Maximum acoustic pressure level must be measured and provided. Software PassMark Burn-in test at 100% workload for CPU, GPU, HDD, memory and ODD.



4. ACOUSTIC TEST

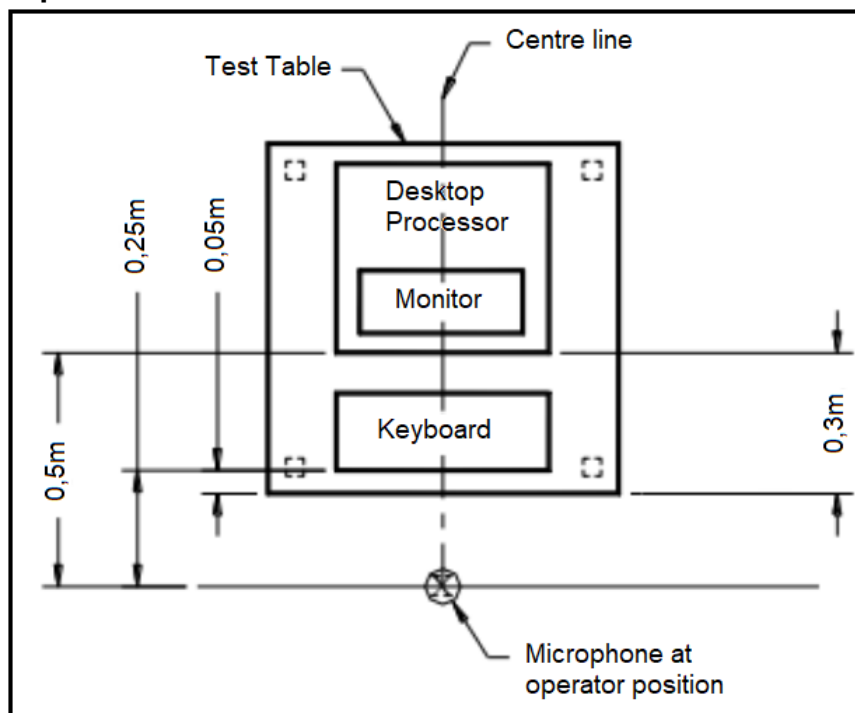
4.1 Test Equipment

The following test equipment was used for the test:

NOTE: The calibration interval of the test equipments above is one year.

Equipment / Facilities	Manufacturer	Model # / Serial #
Chamber	SRT	A01 / SRT001
Sound Level Meter	Lutron	SL-4012 / I.99880

4.2 Test Setup



4.3 Test Procedure

The test procedure is according to "ISO 7779, ISO 9296 / NBR 10152 Brazil's regulation", but the mother of setup is following the requirement from customer:

The microphone (sound level meter) was positioned centrally, in front of the computer, at a distance of 0.5 meters from its front edge, at a height of 1.18 m in relation to the floor, and inclined 30° in relation to the horizontal plane (pointing towards the EUT).

4.4 Test Result of Acoustic pressure level (Noise)

Temperature:	25.3°C	Humidity:	73.3%R.H
Tested By:	Jacky Cheng	Tested Date:	Jun. 12, 2025

Item	Status	Inclined Angle of Horizontal	Received Noise (dB)	Limit (dB)	Test Result
1	Ambient	0°	24.6	33	Pass
2	EUT (Idel)	+30°	24.6	45	Pass
3		0°	24.8	45	Pass
4		-30°	24.7	45	Pass
5	EUT (Background Task)	+30°	24.7	45	Pass
6		0°	24.8	45	Pass
7		-30°	24.8	45	Pass
8	EUT (Full Load)	+30°	25.2	45	Pass*
9		0°	24.7	45	Pass
10		-30°	24.9	45	Pass

*: The worst result.





5. PHOTOS OF SETUP

Ambient



Inclined Angle of Horizontal: +30°





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Reference No.: A25060506
Report No.: ACOA25060506
Date: Jun. 12, 2025
Page: 8 of 8

Inclined Angle of Horizontal: 0°



Inclined Angle of Horizontal: -30°



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