



**TEST REPORT N°: AQMP-ESH-P24110083B-A3**  
 Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

## EMC TEST REPORT

Applicant :	Ningbo Congyao Electric Appliance Co., LTD
Address :	Floor 1-5, Building 5, No.228, Pengmin Branch Road, Pengqiao Village, Henghe Town, Cixi City, Ningbo, Zhejiang Province, China
Manufacturer :	Ningbo Congyao Electric Appliance Co., LTD
Address :	Floor 1-5, Building 5, No.228, Pengmin Branch Road, Pengqiao Village, Henghe Town, Cixi City, Ningbo, Zhejiang Province, China
Factory :	Ningbo Congyao Electric Appliance Co., LTD
Address :	Floor 1-5, Building 5, No.228, Pengmin Branch Road, Pengqiao Village, Henghe Town, Cixi City, Ningbo, Zhejiang Province, China
This document includes : 35 pages	

Product :	Air fryer	
Model name :	Refer to Clause 3.1	
Trade mark :	--	
Rated voltage :	AC 220-240V, 50-60Hz	
Rated input power :	2200W	
Highest clock frequency :	≤15 MHz	
Protection class :	I	
Tests realised :	Refer to Clause 3.1	
Test date :	Jun. 23 to Jun.24, 2025	

Standards used (date) :	EN IEC 55014-1:2021 EN IEC 55014-2:2021 EN IEC 61000-3-2:2019+A1:2021+A2:2024 EN 61000-3-3:2013+A1:2019+A2:2021
Clauses examined :	All Clauses Relevant.

**CONCLUSION :The sample does satisfy the clauses examined .**

Test done by:	Approved by:
Name : Tony MAO Date : Jul.24, 2025	Name : Wen ZHU Date : Jul.24, 2025

This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at <http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

LCIE China Company Limited 必维欧亚电气技术咨询服务有限公司	Building 4, No. 518, Xin Zhuan Road, CaoHejing Songjiang High-Tech Park, Shanghai, CHINA	Tel: +86 21 6195 7000 Fax: +86 21 6195 7001 Email: BVLCIEMKT@bureauveritas.com
--	--	--



**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

**Table of Content**

Table of Content..... 2

Release control record..... 4

1 Summary of test results ..... 5

2 General information of laboratory ..... 6

    2.1 Test facility..... 6

    2.2 Measurement uncertainty..... 6

3 General product information..... 7

    3.1 Specification of product..... 7

    3.2 Description of auxiliary equipment and associated equipment ..... 9

    3.3 Operation conditions ..... 9

    3.4 Photograph of sample ..... 9

4 Test procedure and results for emission..... 10

    4.1 Continuous disturbances, AC mains port (150 kHz – 30 MHz)..... 10

        4.1.1 Test condition ..... 10

        4.1.2 Test results..... 12

    4.2 Continuous disturbances, Auxiliary port (150 kHz – 30 MHz)..... 14

        4.2.1 Test condition ..... 14

        4.2.2 Test results..... 14

    4.3 Magnetic field strength (9 kHz – 30 MHz)..... 15

        4.3.1 Test condition ..... 15

        4.3.2 Test results..... 15

    4.4 Disturbance power (30 MHz – 300 MHz)..... 16

        4.4.1 Test condition ..... 16

        4.4.2 Test results..... 17

    4.5 Radiated emission (below 1GHz)..... 18

        4.5.1 Test condition ..... 18

        4.5.2 Test results..... 18

    4.6 Radiated emission (above 1GHz)..... 19

        4.6.1 Test condition ..... 19

        4.6.2 Test results..... 19

    4.7 Discontinuous disturbances (9 kHz – 30 MHz)..... 20

        4.7.1 Test condition ..... 20

        4.7.2 Test results..... 21

    4.8 Harmonics current emissions ..... 22

        4.8.1 Test condition ..... 22

        4.8.2 Test results..... 23

    4.9 Voltage fluctuation and flicker..... 24

        4.9.1 Test condition ..... 24

        4.9.2 Test results..... 25

5 Test condition and results for immunity ..... 26

    5.1 General information..... 26

    5.2 Electrostatic discharge immunity test (ESD) ..... 27

        5.2.1 Test condition ..... 27

        5.2.2 Test results..... 28

    5.3 Radiated, Radio-frequency, Electromagnetic field immunity test (RS)..... 29

        5.3.1 Test condition ..... 29

        5.3.2 Test results..... 29

    5.4 Electrical fast transient/Burst immunity test (EFT)..... 30

        5.4.1 Test condition ..... 30

        5.4.2 Test results..... 30



**LCIE**

**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

5.5	Surges	31
5.5.1	Test condition	31
5.5.2	Test results	31
5.6	Immunity to conducted disturbances induced by RF fields (CS), 0.15 MHz to 230 MHz	32
5.6.1	Test condition	32
5.6.2	Test results	32
5.7	Voltage dips	33
5.7.1	Test condition	33
5.7.2	Test results	33
6	Conclusion	34
	Appendix A: Photograph of sample	35



**LCIE**

**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

**Release control record**

<b>Report No.</b>	<b>Description</b>	<b>Date Issued</b>
AQMP-ESH-P24110083B	Original release	25/12/2024
AQMP-ESH-P24110083B-A1	Updating standards	21/01/2025
AQMP-ESH-P24110083B-A2	Adding IEC standards	27/02/2025
AQMP-ESH-P24110083B-A3	Adding new models	24/07/2025

**LCIE China Company Limited**  
必维欧亚电气技术咨询服务(上海)有限公司

**Building 4, No. 518, Xin Zhuan Road,  
CaoHejing Songjiang High-Tech Park,  
Shanghai, CHINA**

Tel: +86 21 6195 7000  
Fax: +86 21 6195 7001  
Email: [BVLCIEMKT@bureauveritas.com](mailto:BVLCIEMKT@bureauveritas.com)



**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

# 1 Summary of test results

No.	Item	Result
<b>Emission part:</b>		
1	Continuous disturbances	PASS
2	Magnetic field strength	NA
3	Disturbance power	PASS
4	Radiated disturbances electric field	PASS
5	Discontinuous disturbances	PASS
6	Harmonic current emission	PASS
7	Voltage fluctuation and flicker	PASS
<b>Immunity part:</b>		
8	Electrostatic discharge	PASS
9	RF electromagnetic fields	NA
10	Fast transients	PASS
11	Surge	PASS
12	Injected current	PASS
13	Voltage dips	PASS



**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

**2 General information of laboratory**

**2.1 Test facility**

- Laboratory name:** LCIE China Company Limited  
**Testing location:** Building C, No. 829, Xinzhuan Road, Shanghai, P.R.China (201612)
- The tests done in this report are subcontracted to :  
**Laboratory name:** Ningbo Customs District Technology Center  
**Testing location:** Block E3 & G1, Ningbo Qianwan Integrated Free Trade Zone, Ningbo, Zhejiang, China (Electric Testing Laboratory Qianwan Branch)

**2.2 Measurement uncertainty**

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

This lab's measurement uncertainty U<sub>Lab</sub>, is low than U<sub>Cispr</sub>, Table 1 – Values of U<sub>Cispr</sub> of CISPR 16-4-2, therefore compliance is deemed to occur if no measured disturbance exceeds the disturbance limit.

No.	Item	Measurement Uncertainty
1	Conducted Emission at mains port using AMN	2.64dB (9kHz to 150kHz)
		2.64dB (150kHz to 30MHz)
2	Conducted Emission at mains port using VP	1.82dB (150kHz to 30MHz)
3	Conducted Emission at telecommunication port using AAN	4.41dB (150kHz to 30MHz)
4	Radiated Power	3.40dB
5	Radiated emission	Horizontal: 4.54dB (30MHz-1GHz) Vertical: 4.68dB (30MHz-1GHz)
		Horizontal: 3.88 dB (1GHz-6GHz) Vertical: 4.00 dB (1GHz-6GHz)
6	Click	2.72dB (150kHz to 30MHz)
7	Harmonic Current Emissions	2.38%
8	Voltage Fluctuations and Flicker	2.38%



**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

### 3 General product information

#### 3.1 Specification of product

- Operating modes:**
- Mode A: The apparatus was worked continuously.
  - Mode B:
  - Mode C:

- Types of port:**
- AC mains port
  - auxiliary port
  - wired network port
  - fence port
  - enclosure port

**Special comments:** This report is updated report based on history report AQMP-ESH-P24110083B-A2 for adding new models, which were marked in "**Bold**" in below model list. Alternative new main PCB 2 and display PCB 2 for all models. So all EMC tests were performed on model CY-10005-E with new main PCB 2 and display PCB 2. Other test results can refer to history report AQMP-ESH-P24110083B-A2.

**Model list:**

Model	Rated input Power	Rated Voltage / Frequency	Control type	Main board	Display board
CY-10001-E	2200W	220-240V 50-60Hz	electrical	PCB 1 or <b>PCB 2</b>	PCB 1 or <b>PCB 2</b>
<b>CY-10005-E</b>	2200W	220-240V 50-60Hz	electrical	PCB 1 or <b>PCB 2</b>	PCB 1 or <b>PCB 2</b>
<b>CY-10006-E</b>	2200W	220-240V 50-60Hz	electrical	PCB 1 or <b>PCB 2</b>	PCB 1 or <b>PCB 2</b>
<b>CY-10007-E</b>	2200W	220-240V 50-60Hz	electrical	PCB 1 or <b>PCB 2</b>	PCB 1 or <b>PCB 2</b>
<b>CY-10008-E</b>	2200W	220-240V 50-60Hz	electrical	PCB 1 or <b>PCB 2</b>	PCB 1 or <b>PCB 2</b>
<b>CY-10009-E</b>	2200W	220-240V 50-60Hz	electrical	PCB 1 or <b>PCB 2</b>	PCB 1 or <b>PCB 2</b>
<b>CY-10010-E</b>	2200W	220-240V 50-60Hz	electrical	PCB 1 or <b>PCB 2</b>	PCB 1 or <b>PCB 2</b>
<b>CY-10011-E</b>	2200W	220-240V 50-60Hz	electrical	PCB 1 or <b>PCB 2</b>	PCB 1 or <b>PCB 2</b>
<b>CY-10012-E</b>	2200W	220-240V 50-60Hz	electrical	PCB 1 or <b>PCB 2</b>	PCB 1 or <b>PCB 2</b>
<b>CY-10013-E</b>	2200W	220-240V 50-60Hz	electrical	PCB 1 or <b>PCB 2</b>	PCB 1 or <b>PCB 2</b>
<b>CY-10014-E</b>	2200W	220-240V 50-60Hz	electrical	PCB 1 or <b>PCB 2</b>	PCB 1 or <b>PCB 2</b>
<b>CY-10015-E</b>	2200W	220-240V 50-60Hz	electrical	PCB 1 or <b>PCB 2</b>	PCB 1 or <b>PCB 2</b>
<b>CY-10016-E</b>	2200W	220-240V 50-60Hz	electrical	PCB 1 or <b>PCB 2</b>	PCB 1 or <b>PCB 2</b>



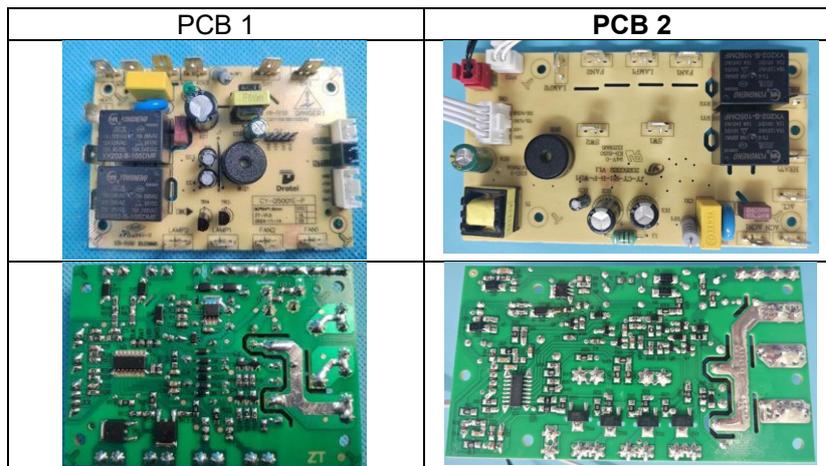
**LCIE**

**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

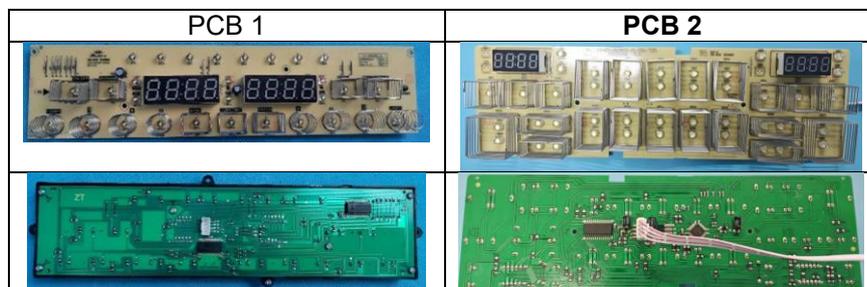
Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

<b>CY-10017-E</b>	2200W	220-240V 50-60Hz	electrical	PCB 1 or <b>PCB 2</b>	PCB 1 or <b>PCB 2</b>
<b>CY-10018-E</b>	2200W	220-240V 50-60Hz	electrical	PCB 1 or <b>PCB 2</b>	PCB 1 or <b>PCB 2</b>
<b>CY-10019-E</b>	2200W	220-240V 50-60Hz	electrical	PCB 1 or <b>PCB 2</b>	PCB 1 or <b>PCB 2</b>
<b>CY-10020-E</b>	2200W	220-240V 50-60Hz	electrical	PCB 1 or <b>PCB 2</b>	PCB 1 or <b>PCB 2</b>
<b>CY-10021-E</b>	2200W	220-240V 50-60Hz	electrical	PCB 1 or <b>PCB 2</b>	PCB 1 or <b>PCB 2</b>
<b>CY-10022-E</b>	2200W	220-240V 50-60Hz	electrical	PCB 1 or <b>PCB 2</b>	PCB 1 or <b>PCB 2</b>
<b>CY-10003-E</b>	2200W	220-240V 50-60Hz	electrical	PCB 1 or <b>PCB 2</b>	PCB 1 or <b>PCB 2</b>
<b>CY-10002-E</b>	2200W	220-240V 50-60Hz	electrical	PCB 1 or <b>PCB 2</b>	PCB 1 or <b>PCB 2</b>
<b>CY-10004-E</b>	2200W	220-240V 50-60Hz	electrical	PCB 1 or <b>PCB 2</b>	PCB 1 or <b>PCB 2</b>

**Main board:**



**Display board:**





**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

**3.2 Description of auxiliary equipment and associated equipment**

N/A

**3.3 Operation conditions**

The EUT operating and testing at below conditions:

<b>Ambient conditions:</b>	Temperature	:	21-24 °C
	Relative humidity	:	48-55 %
	Atmospheric pressure	:	101 kPa

**3.4 Photograph of sample**

Refer to Appendix A

<b>LCIE China Company Limited</b> 必维欧亚电气技术咨询服务(上海)有限公司	<b>Building 4, No. 518, Xin Zhuan Road, CaoHejing Songjiang High-Tech Park, Shanghai, CHINA</b>	Tel: +86 21 6195 7000 Fax: +86 21 6195 7001 Email: <a href="mailto:BVLCIEMKT@bureauveritas.com">BVLCIEMKT@bureauveritas.com</a>
Page 9 of 35		
TEST REPORT EN IEC 55014-1:2021 VER.1.0		



**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

**4 Test procedure and results for emission**

**4.1 Continuous disturbances, AC mains port (150 kHz – 30 MHz)**

**4.1.1 Test condition**

<b>Applicable Standard:</b>	<b>EN IEC 55014-1:2021</b>	
Applied limit class:	<input type="checkbox"/>	Table 2 (Equipment with active IPT function which are 100 V rated and without an earth connection); AC mains port
	<input type="checkbox"/>	Table 2 (Equipment with active IPT function; Other appliances); AC mains port
	<input checked="" type="checkbox"/>	Table 5 (Columns 2 and 3); AC mains port
	<input type="checkbox"/>	Table 6 (Columns 2 and 3); AC mains port; $P \leq 700 \text{ W}$
	<input type="checkbox"/>	Table 6 (Columns 4 and 5); AC mains port; $700 \text{ W} < P \leq 1000 \text{ W}$
	<input type="checkbox"/>	Table 6 (Columns 6 and 7); AC mains port; $P > 1000 \text{ W}$
	<input type="checkbox"/>	Other: --
Test setup description:	<input type="checkbox"/>	Setup Type A (40 cm distance to vertical ground plane, 80 cm over ground plane)
	<input checked="" type="checkbox"/>	Setup Type B (40 cm distance to horizontal ground plane)
	<input type="checkbox"/>	Floor standing equipment setup (10 cm over ground plane)
	<input type="checkbox"/>	Other: --
	<input type="checkbox"/>	Artificial hand applied
Test method applied:	<input checked="" type="checkbox"/>	Artificial mains network
	<input type="checkbox"/>	Other: --
Remark:	--	



**LCIE**

**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

<b>Limits for AC mains port of equipment with active IPT functions</b>				
<b>Frequency range (MHz)</b>	<b>Appliances which are 100 V rated and without an earth connection</b>		<b>All other appliances</b>	
	<b>Quasi-peak (dBµV)</b>	<b>Average (dBµV)</b>	<b>Quasi-peak (dBµV)</b>	<b>Average (dBµV)</b>
0.009-0.05	122	-	110	-
0.05-0.15	Decreasing linearly with logarithm of frequency from: 102-92	-	Decreasing linearly with logarithm of frequency from: 90-80	-
0.15-0.5	Decreasing linearly with logarithm of frequency from:			
	72-62	62-52	66-56	56-46
0.5-5	56	46	56	46
5-30	60	50	60	50

<b>General limits</b>						
<b>Frequency range (MHz)</b>	<b>Quasi-peak (dBµV)</b>			<b>Average (dBµV)</b>		
0.15-0.5	Decreasing linearly with logarithm of frequency from:					
	66-56			59-46		
0.5-5	56			46		
5-30	60			50		
<b>Tools</b>						
<b>Frequency range (MHz)</b>	<b>P ≤ 700 W</b>		<b>700 W &lt; P ≤ 1000</b>		<b>P &gt; 1000 W</b>	
	<b>Quasi-peak (dBµV)</b>	<b>Average (dBµV)</b>	<b>Quasi-peak (dBµV)</b>	<b>Average (dBµV)</b>	<b>Quasi-peak (dBµV)</b>	<b>Average (dBµV)</b>
0.15-0.35	Decreasing linearly with logarithm of frequency from:					
	66-59	59-49	70-63	63-53	76-69	69-59
0.35-5	59	49	63	53	69	59
5-30	64	54	68	58	74	64

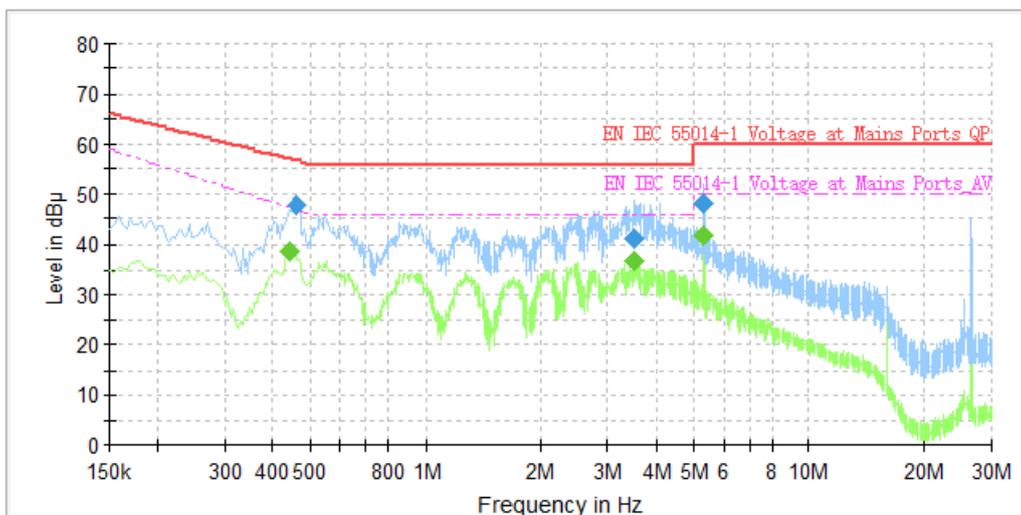


**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

**4.1.2 Test results**

Model:	<b>CY-10005-E</b>
Test mode:	Mode A
Test voltage:	AC 230V, 50Hz



**Final Result**

Frequency (MHz)	QuasiPeak (dB μV)	CAverage (dB μV)	Limit (dB μ)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter
0.442000	---	38.43	47.33	8.90	1000.0	9.000	L1	OFF
0.462000	47.63	---	56.66	9.03	1000.0	9.000	L1	OFF
3.482000	---	36.78	46.00	9.22	1000.0	9.000	L1	OFF
3.506000	41.20	---	56.00	14.80	1000.0	9.000	L1	OFF
5.334000	48.30	---	60.00	11.70	1000.0	9.000	L1	OFF
5.334000	---	41.82	50.00	8.18	1000.0	9.000	L1	OFF

(continuation of the "Final\_Result" table from column 14 ...)

Frequency (MHz)	Corr. (dB)	Comment
0.442000	10.3	
0.462000	10.3	
3.482000	10.4	
3.506000	10.4	
5.334000	10.5	
5.334000	10.5	

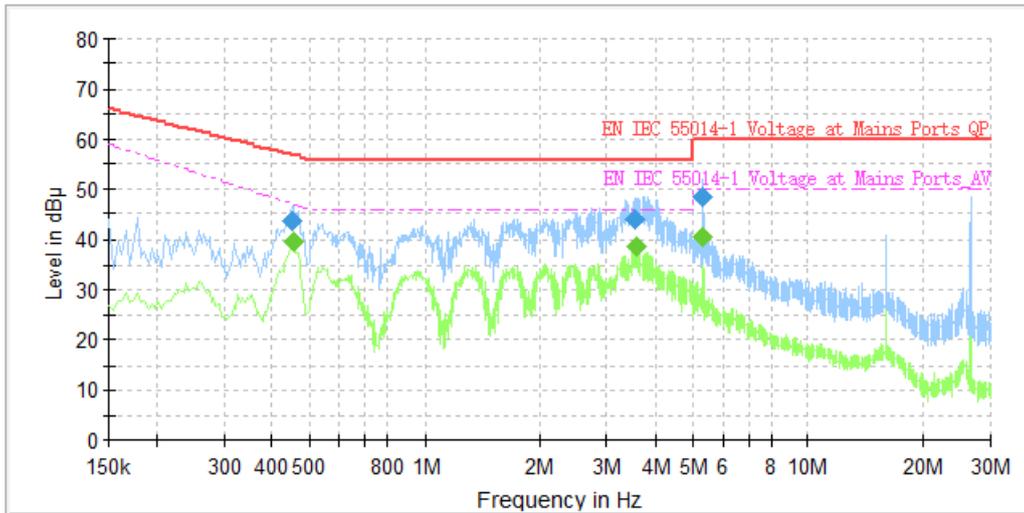


**LCIE**

**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

Model:	<b>CY-10005-E</b>
Test mode:	Mode A
Test voltage:	AC 230V, 50Hz



**Final Result**

Frequency (MHz)	QuasiPeak (dB µV)	CAverage (dB µV)	Limit (dB µ)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter
0.454000	43.62	---	56.80	13.18	1000.0	9.000	N	OFF
0.458000	---	39.59	46.95	7.36	1000.0	9.000	N	OFF
3.554000	44.16	---	56.00	11.84	1000.0	9.000	N	OFF
3.594000	---	38.46	46.00	7.54	1000.0	9.000	N	OFF
5.334000	48.40	---	60.00	11.60	1000.0	9.000	N	OFF
5.334000	---	40.49	50.00	9.51	1000.0	9.000	N	OFF

(continuation of the "Final\_Result" table from column 14 ...)

Frequency (MHz)	Corr. (dB)	Comment
0.454000	10.2	
0.458000	10.2	
3.554000	10.4	
3.594000	10.4	
5.334000	10.5	
5.334000	10.5	



**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

**4.2 Continuous disturbances, Auxiliary port (150 kHz – 30 MHz)**

**4.2.1 Test condition**

<b>Applicable Standard:</b>	<b>EN IEC 55014-1:2021</b>	
Applied limit class:	<input type="checkbox"/>	Table 5 (Columns 4 and 5); Auxiliary port; Disturbance voltage
	<input type="checkbox"/>	Table 5 (Columns 6 and 7); Auxiliary port; Disturbance current
	<input type="checkbox"/>	Wired Network port according to CISPR 32 class B
	<input type="checkbox"/>	Other: --
Test setup description:	<input type="checkbox"/>	Setup Type A (40 cm distance to vertical ground plane, 80 cm over ground plane)
	<input type="checkbox"/>	Setup Type B (40 cm distance to horizontal ground plane)
	<input type="checkbox"/>	Floor standing equipment setup (10 cm over ground plane)
	<input type="checkbox"/>	Other: --
	<input type="checkbox"/>	Artificial hand applied
Test method applied:	<input type="checkbox"/>	Voltage probe
	<input type="checkbox"/>	Current probe according to CISPR 14-1
	<input type="checkbox"/>	Wired network port: CDN according to IEC 61000-4-6
	<input type="checkbox"/>	Wired network port: Current probe and capacitive voltage probe (CVP)
	<input type="checkbox"/>	Wired network port: ISN
	<input type="checkbox"/>	Wired network port (Shielded): 150 Ohm and current probe
	<input type="checkbox"/>	Artificial mains network used as voltage probe
	<input type="checkbox"/>	Other: --
Remark:	--	

Limits for auxiliary port				
Frequency range (MHz)	Disturbance voltage		Disturbance current	
	Quasi-peak (dBµV)	Average (dBµV)	Quasi-peak (dBµA)	Average (dBµA)
0.15-0.5	80	70	Decreasing linearly with logarithm of frequency from:	
			40-30	30-20
0.5-5	74	64	30	20
5-30	74	64		

**4.2.2 Test results**

N/A



**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

**4.3 Magnetic field strength (9 kHz – 30 MHz)**

**4.3.1 Test condition**

<b>Applicable Standard:</b>	<b>EN IEC 55014-1:2021</b>	
Applied limit class:	<input type="checkbox"/>	Table 3; Magnetic field; Equipment with active IPT function
	<input type="checkbox"/>	Table 4; Magnetic field induced current; Equipment with active IPT function be fully encompassed by an imaginary sphere having a diameter less than or equal to 1.6 m
	<input type="checkbox"/>	Other: --
Test set up description:	<input type="checkbox"/>	Equipment on a table of 80 cm height
	<input type="checkbox"/>	Equipment on the floor (isolated from ground plane)
	<input type="checkbox"/>	Other: --
Test method applied:	<input type="checkbox"/>	3 m distance, 0.6 m small loop antenna
	<input type="checkbox"/>	2 m large loop antenna system (LLAS)
	<input type="checkbox"/>	Other: --
Remark:	--	

<b>Limits</b>		
<b>Magnetic field strength limits</b>		
<b>Frequency range (MHz)</b>	<b>Quasi-peak (dBµA/m)</b>	
0.009-0.07	69	
0.07-0.15	Decreasing linearly with logarithm of frequency from: 69-39	
0.15-4	Decreasing linearly with logarithm of frequency from: 39-3	
4-30	3	
<b>Magnetic field induced current limits</b>		
<b>Frequency range (MHz)</b>	<b>Horizontal component Quasi-peak (dBµA)</b>	<b>Vertical component Quasi-peak (dBµA)</b>
0.009-0.07	88	106
0.07 -0.15	Decreasing linearly with logarithm of frequency from:	
	88-58	106-76
0.15-3	Decreasing linearly with logarithm of frequency from:	
	58-22	76-40

**4.3.2 Test results**

N/A



**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

**4.4 Disturbance power (30 MHz – 300 MHz)**

**4.4.1 Test condition**

<b>Applicable Standard:</b>	<b>EN IEC 55014-1:2021</b>	
Applied limit class:	<input checked="" type="checkbox"/>	Table 7 (Columns 2 and 3); General
	<input type="checkbox"/>	Table 7 (Columns 4 and 5); Tools, Power ≤ 700 W
	<input type="checkbox"/>	Table 7 (Columns 6 and 7); Tools, 700 W < Power ≤ 1000 W
	<input type="checkbox"/>	Table 7 (Columns 8 and 9); Tools, Power > 1000 W
Test set up description:	<input checked="" type="checkbox"/>	Equipment on table of 80 cm height
	<input type="checkbox"/>	Equipment on support of 10 cm height
	<input type="checkbox"/>	Other: --
Supplementary test set-up description:	The distance between the clamp test set-up (the EUT, the mains lead and the absorbing clamp) and any other conductive objects (including persons, walls and ceiling, but excluding the floor) shall be at least 0,8 m. The EUT shall be placed on a non-metallic support parallel to the floor. The lead under test shall be placed in a straight line at a height of (0,8 ± 0,05) m from the floor for a length specified in 5.3.3.2.2.	
Conditions for exemption from measurements above 300 MHz:	<input checked="" type="checkbox"/>	1) the disturbance power emission from the EUT is lower than the limits of Table 7 reduced by the values of Table 8;
	<input checked="" type="checkbox"/>	2) the maximum clock frequency is less than 30 MHz
Remark:	The manufacturer chooses the disturbance power test method according to clause 4.3.4.2 in this standard.	

Limits						
General						
Frequency range (MHz)	Quasi-peak (dBpw)		Average (dBpw)			
30-300	Increasing linearly with the frequency from:					
	45-55		35-45			
Tools						
Frequency range (MHz)	P ≤ 700 W		700 W < P ≤ 1000		P > 1000 W	
	Quasi-peak (dBpw)	Average (dBpw)	Quasi-peak (dBpw)	Average (dBpw)	Quasi-peak (dBpw)	Average (dBpw)
30-300	Increasing linearly with the frequency from:					
	45-55	35-45	49-59	39-49	55-65	45-55

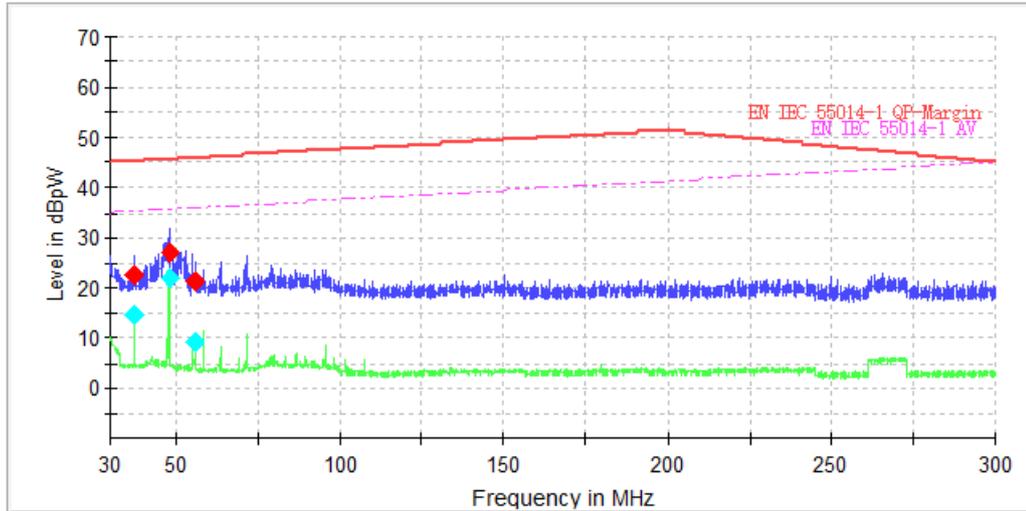


**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

**4.4.2 Test results**

Model:	<b>CY-10005-E</b>
Test mode:	Mode A
Test voltage:	AC 230V, 50Hz



**Limit and Margin-QP**

Frequency (MHz)	QuasiPeak (dBpW)	Meas. Time (ms)	Bandwidth (kHz)	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBpW)
37.320000	22.7	1000.0	120.000	5.3	22.6	45.3
48.000000	27.0	1000.0	120.000	4.6	18.7	45.7
55.640000	21.1	1000.0	120.000	4.5	24.9	46.0

**Limit and Margin-CAV**

Frequency (MHz)	CAverage (dBpW)	Meas. Time (ms)	Bandwidth (kHz)	Corr. (dB)	Margin - CAV (dB)	Limit - CAV (dBpW)
37.320000	14.6	1000.0	120.000	5.3	20.7	35.3
48.000000	21.7	1000.0	120.000	4.6	14.0	35.7
55.640000	9.4	1000.0	120.000	4.5	26.6	36.0



**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

**4.5 Radiated emission (below 1GHz)**

**4.5.1 Test condition**

<b>Applicable Standard:</b>	<b>EN IEC 55014-1:2021</b>	
Applied limit class:	<input type="checkbox"/>	Table 9; Radiated disturbance limits 30 MHz to 1000 MHz
	<input type="checkbox"/>	Other: --
Test set up description:	<input type="checkbox"/>	Equipment on a table of 80 cm height
	<input type="checkbox"/>	Equipment on the floor (isolated from ground plane)
	<input type="checkbox"/>	Other (e.g. height of pallet):
Supplementary test set-up description for <b>SAC</b> :	Measurements were made in semi-anechoic chamber that complies to CISPR 16. The EUT was rotated 360° about its azimuth with the receive antenna located at various heights in horizontal and vertical polarities. Final measurements with quasi-peak detector for below 1GHz were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4 m. All frequencies were investigated in both horizontal and vertical antenna polarity, where applicable.	
Test method applied (30 MHz to 1000 MHz):	<input type="checkbox"/>	OATS or SAC with measurement distance [m]: 3 m
	<input type="checkbox"/>	FAR/FAC CISPR 16-2-3 with measurement distance [m]: 3 m
	<input type="checkbox"/>	FAR/FAC IEC 61000-4-22 with measurement distance [m]: 3 m
	<input type="checkbox"/>	TEM Waveguide according to IEC 61000-4-20
Remark:	The EUT does not contain any internal clock frequency or clock generator operating at frequency higher than 30MHz and the margin for the disturbance power test results between 200MHz and 300MHz fulfilled the margin's requirement in Table 8, the EUT is deemed to comply with this requirement without further testing.	

Limits for SAC 3 m distance	
Frequency range (MHz)	Quasi-peak (dBµV/m)
30-230	40
230-1000	47

**4.5.2 Test results**

N/A



**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

**4.6 Radiated emission (above 1GHz)**

**4.6.1 Test condition**

<b>Applicable Standard:</b>	<b>EN IEC 55014-1:2021</b>	
Applied limit class:	<input type="checkbox"/>	Table 11; Radiated electric field disturbance limits 1000 MHz to 6000 MHz
	<input type="checkbox"/>	Other: --
Test set up description:	<input type="checkbox"/>	Equipment on a table of 80 cm height
	<input type="checkbox"/>	Equipment on the floor (isolated from ground plane)
	<input type="checkbox"/>	Other:
Supplementary test set-up description for <b>SAC</b> :	Measurements were made in semi-anechoic chamber with RF absorber on the RGP which complies to CISPR 16. The EUT was rotated 360° about its azimuth with the receive antenna located at various heights in horizontal and vertical polarities. Final measurements with peak and average detector were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4 m. All frequencies were investigated in both horizontal and vertical antenna polarity, where applicable.	
Test method applied (1000 MHz to 6000 MHz):	<input type="checkbox"/>	FSOATS with measurement distance [m]: 3 m
	<input type="checkbox"/>	SAC/OATS with RF absorbers on the RGP with measurement distance [m]: 3 m
	<input type="checkbox"/>	FAR CISPR 16-2-3 with measurement distance [m]: 3 m
Remark:	--	

Limits for SAC with RF absorbers 3 m distance		
Frequency range (MHz)	Peak (dBµV/m)	Average (dBµV/m)
1000 – 3000	70	50
3000 – 6000	74	54

**4.6.2 Test results**

N/A



**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

**4.7 Discontinuous disturbances (9 kHz – 30 MHz)**

**4.7.1 Test condition**

<b>Applicable Standard:</b>	<b>EN IEC 55014-1:2021</b>	
Test setup description:	<input type="checkbox"/>	Setup Type A (40 cm distance to vertical ground plane, 80 cm over ground plane)
	<input checked="" type="checkbox"/>	Setup Type B (40 cm distance to horizontal ground plane)
	<input type="checkbox"/>	Floor standing equipment setup (10 cm over ground plane)
	<input type="checkbox"/>	Other: --
	<input type="checkbox"/>	Artificial hand applied
CDN applied:	<input checked="" type="checkbox"/>	Artificial mains network
	<input type="checkbox"/>	Artificial mains network used as voltage probe
	<input type="checkbox"/>	Voltage probe
	<input type="checkbox"/>	Other: --
Applied method for discontinuous disturbances:	<input type="checkbox"/>	Click rate determined on base of switching operations
	<input checked="" type="checkbox"/>	Click rate determined on base of clicks measurements
	<input type="checkbox"/>	Other: --
Remark:	The measured click rate is not more than five and the duration of each click at 150 kHz or 500 kHz is not more than 10 ms. So requirement of clause 5.4.3.4 is met.	



LCIE

TEST REPORT N°: AQMP-ESH-P24110083B-A3

Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

4.7.2 Test results

Model:	CY-10005-E
Test mode:	Mode A
Test voltage:	AC 230V, 50Hz

Time Test: 00:54:45.05

	150 kHz	500 kHz	1.4 MHz	30 MHz
<b>First Run</b>				
Limit [dBuV]	66	56	56	60
Short	40	0	0	0
Long	0	0	0	0
Long (10< t ≤20 ms)	0	0	0	0
Tot. Clicks Corr	40	0	0	0
Events	0	0	0	0
Time(s)	0.00	0.00	0.00	0.00
5.4.3.5 events	0	0	0	0
N	0.73	0.00	0.00	0.00
	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>



**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

**4.8 Harmonics current emissions**

**4.8.1 Test condition**

<b>Applicable Standard:</b>	<b>EN IEC 61000-3-2:2019+A1:2021+A2:2024</b>	
Test set up description:	Floor standing equipment set-up (10 cm over ground plane)	
Limit classification in accordance with the standard:	<input checked="" type="checkbox"/>	Class A
	<input type="checkbox"/>	Class B
	<input type="checkbox"/>	Class C, rated power > 25 W
	<input type="checkbox"/>	Class C, 5 W ≤ rated power ≤ 25 W
	<input type="checkbox"/>	Class D
Observation period	2.5 min	
Remark:	--	



**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

**4.8.2 Test results**

Model:	<b>CY-10005-E</b>
Test mode:	Mode A
Test voltage:	AC 230V, 50Hz

Current Harmonics (values at the end of test)

Harm No.	Harm. Ave.	Limit (100%)	% Of Limits	Result (Ave.)	Result (Max.)	Harm. Win.	Win. (150%)	% Of Max
2	0.0155	1.0800	1.4	PASS	PASS	0.0347	1.6200	2.1
3	0.0163	2.3000	0.7	PASS	PASS	0.0283	3.4500	0.8
4	0.0118	0.4300	2.7	PASS	PASS	0.0168	0.6450	2.6
5	0.0100	1.1400	0.9	PASS	PASS	0.0150	1.7100	0.9
6	0.0104	0.3000	3.5	PASS	PASS	0.0140	0.4500	3.1
7	0.0092	0.7700	1.2	PASS	PASS	0.0115	1.1550	1.0
8	0.0090	0.2300	3.9	PASS	PASS	0.0117	0.3450	3.4
9	0.0082	0.4000	2.1	PASS	PASS	0.0096	0.6000	1.6
10	0.0078	0.1840	4.3	PASS	PASS	0.0095	0.2760	3.4
11	0.0070	0.3300	2.1	PASS	PASS	0.0082	0.4950	1.6
12	0.0064	0.1533	4.2	PASS	PASS	0.0077	0.2300	3.4
13	0.0055	0.2100	2.6	PASS	PASS	0.0059	0.3150	1.9
14	0.0053	0.1314	4.0	PASS	PASS	0.0064	0.1971	3.3
15	0.0044	0.1500	2.9	PASS	PASS	0.0052	0.2250	2.3
16	0.0040	0.1150	3.4	PASS	PASS	0.0042	0.1725	2.5
17	0.0035	0.1324	2.7	PASS	PASS	0.0039	0.1986	1.9
18	0.0030	0.1022	3.0	PASS	PASS	0.0033	0.1533	2.1
19	0.0027	0.1184	2.3	PASS	PASS	0.0029	0.1776	1.6
20	0.0024	0.0920	2.6	PASS	PASS	0.0027	0.1380	1.9
21	0.0023	0.1071	2.1	PASS	PASS	0.0028	0.1607	1.7
22	0.0020	0.0836	2.4	PASS	PASS	0.0025	0.1254	2.0
23	0.0020	0.0978	2.1	PASS	PASS	0.0031	0.1467	2.1
24	0.0018	0.0767	2.4	PASS	PASS	0.0028	0.1151	2.4
25	0.0016	0.0900	1.8	PASS	PASS	0.0022	0.1350	1.6
26	0.0017	0.0708	2.4	PASS	PASS	0.0024	0.1062	2.3
27	0.0016	0.0833	1.9	PASS	PASS	0.0024	0.1250	1.9
28	0.0015	0.0657	2.3	PASS	PASS	0.0020	0.0986	2.0
29	0.0015	0.0776	1.9	PASS	PASS	0.0019	0.1164	1.6
30	0.0013	0.0613	2.1	PASS	PASS	0.0014	0.0920	1.5
31	0.0012	0.0720	1.6	PASS	PASS	0.0014	0.1080	1.3
32	0.0012	0.0575	2.1	PASS	PASS	0.0014	0.0863	1.7
33	0.0012	0.0682	1.8	PASS	PASS	0.0016	0.1023	1.6
34	0.0011	0.0541	2.0	PASS	PASS	0.0013	0.0812	1.6
35	0.0010	0.0643	1.6	PASS	PASS	0.0012	0.0965	1.2
36	0.0010	0.0511	1.9	PASS	PASS	0.0012	0.0767	1.5
37	0.0008	0.0608	1.4	PASS	PASS	0.0012	0.0912	1.3
38	0.0009	0.0484	1.8	PASS	PASS	0.0011	0.0726	1.6
39	0.0009	0.0577	1.5	PASS	PASS	0.0012	0.0866	1.4
40	0.0007	0.0460	1.5	PASS	PASS	0.0010	0.0690	1.4



**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

**4.9 Voltage fluctuation and flicker**

**4.9.1 Test condition**

<b>Applicable Standard:</b>	<b>EN 61000-3-3:2013+A1:2019+A2:2021</b>	
Test set up description:	Floor standing equipment set-up (10 cm over ground plane)	
Test method:	<input checked="" type="checkbox"/>	4.2.2 Flickermeter according to IEC 61000-4-15
	<input type="checkbox"/>	4.2.3 Simulation
	<input type="checkbox"/>	4.2.4 Analytical method
	<input checked="" type="checkbox"/>	4.2.5 Use of $P_{st} = 1$ curve
	<input type="checkbox"/>	4.3 Long-Term flicker value $P_{lt}$
Observation time selected:	<input checked="" type="checkbox"/>	10 Minutes
	<input type="checkbox"/>	120 Minutes
	<input type="checkbox"/>	24 times switching
	<input type="checkbox"/>	Other: --
Limit for $d_{max}$ applied:	<input checked="" type="checkbox"/>	4 %
	<input type="checkbox"/>	6 %
	<input type="checkbox"/>	7 %
Remark:	--	



**LCIE**

**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

**4.9.2 Test results**

Model:	<b>CY-10005-E</b>				
Test mode:	Mode A				
Test voltage:	AC 230V, 50Hz				
Parameter:	<b>P<sub>It</sub></b>	<b>P<sub>st</sub></b>	<b>dt (ms)</b>	<b>dc (%)</b>	<b>d<sub>max</sub> (%)</b>
Measured value:	NA	0.428	0.000	1.047	1.426
Limit value:	NA	1	500	3.30	4.00



**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

## 5 Test condition and results for immunity

### 5.1 General information

Performance criteria as defined by the standard EN IEC 55014-2:2021	
Criterion	Description from standard
A	The apparatus shall continue to operate as intended during the test. No degradation of performance or loss of function is allowed below a performance level (or permissible loss of performance) specified by the manufacturer, when the apparatus is used as intended. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and from what the user may reasonably expect from the apparatus if used as intended.
B	The apparatus shall continue to operate as intended after the test. No degradation of performance or loss of function is allowed below a performance level (or permissible loss of performance) specified by the manufacturer, when the apparatus is used as intended. During the test, degradation of performance is allowed, however no change of actual operating state or stored data is allowed to persist after the test. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and from what the user may reasonably expect from the apparatus if used as intended.
C	Temporary loss of function is allowed, provided the function is selfrecoverable or can be restored by the operation of the controls, or by any operation specified in the instructions for use.
Other:	--

Category of test item:	<input type="checkbox"/>	Category I: equipment containing no electronic control circuitry.
	<input checked="" type="checkbox"/>	Category II: mains operated equipment containing electronic control circuitry with no clock frequency higher than 15 MHz.
	<input type="checkbox"/>	Category III: battery operated equipment not included in Category I.
	<input type="checkbox"/>	Category IV: mains operated equipment containing electronic control circuitry with a highest clock frequency greater than 15 MHz but lower than or equal to 200 MHz.
	<input type="checkbox"/>	Category V: mains operated equipment containing electronic control circuitry with a highest clock frequency greater than 200 MHz.
Remark:	--	



**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

**5.2 Electrostatic discharge immunity test (ESD)**

**5.2.1 Test condition**

<b>Basic standard:</b>	<b>IEC 61000-4-2:2008 / EN 61000-4-2:2009</b>	
Test set up:	<input checked="" type="checkbox"/>	Table-top equipment
	<input type="checkbox"/>	Floor standing equipment
	<input type="checkbox"/>	Wall or ceiling mounted equipment (Treated as table top)
Supplementary test set up description:	Measurements were made on a ground plane that extends 0.5 m minimum beyond all sides of the system under test and the minimum distance between the equipment under test and any laboratory walls or any other metallic surfaces shall be at least 1 m. Air discharges were applied to non-metallic parts of the system. Contact discharges were applied to all accessible metallic parts. Discharges were also applied to the Horizontal and Vertical Coupling Planes, where applicable.	
Discharge impedance:	330 ohm / 150 pF	
Size of horizontal coupling plate:	1.6 x 0.8 m	
Size of vertical coupling plate:	0.5 x 0.5 m	
Number of discharges for each test point:	10	
Discharge interval:	1 s	
Performance criterion:	<input checked="" type="checkbox"/>	B
	<input type="checkbox"/>	C (For toys not using score or data entered by the user)
Remark:	--	

**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

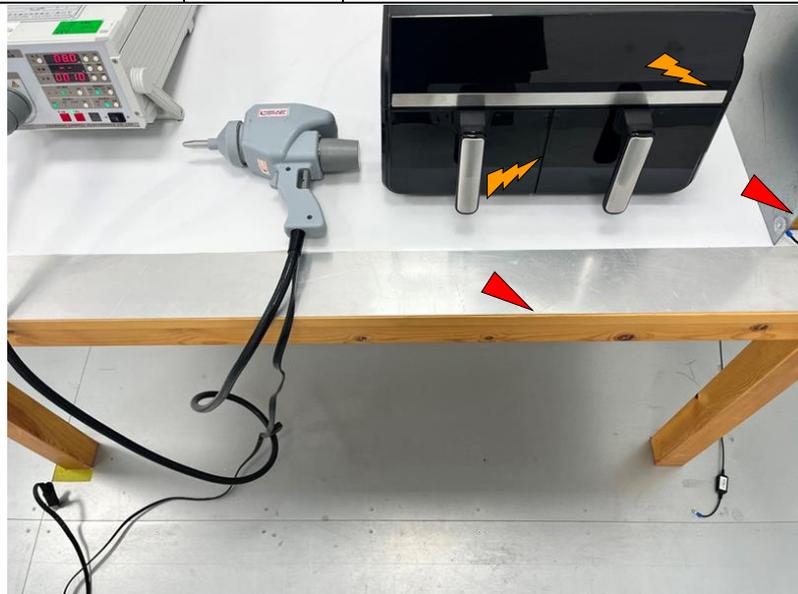
**5.2.2 Test results**

Operating mode:	Mode A			
Ambient temperature:	20 °C			
Relative humidity:	40 %			
Atmospheric pressure:	101.1 kPa			
Supplementary information:	--			
<b>Location of discharge</b>	<b>Test level (kV)</b>	<b>Polarity</b>	<b>Type</b>	<b>Observations</b>
Vertical coupling plate	4	+	Contact discharge	Note 1
Vertical coupling plate	4	-	Contact discharge	Note 1
Horizontal coupling plate	4	+	Contact discharge	Note 1
Horizontal coupling plate	4	-	Contact discharge	Note 1
Points on non-conductive surface as indicated in the picture below	8	+	Air discharge	Note 1
Points on non-conductive surface as indicated in the picture below	8	-	Air discharge	Note 1

Note 1: EUT worked as intended during and after test.

**Photos of test points:**

Symbols identifying discharge applied:		Contact discharge
		Air discharge





**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

**5.3 Radiated, Radio-frequency, Electromagnetic field immunity test (RS)**

**5.3.1 Test condition**

<b>Basic standard:</b>	<b>IEC 61000-4-3:2020 / EN IEC 61000-4-3:2020</b>	
<b>Test setup:</b>	<input type="checkbox"/>	Equipment on the table (0.8 m height)
	<input type="checkbox"/>	Equipment standing on floor (0.05 m to 0.15 m height)
	<input type="checkbox"/>	Other: --
<b>Supplementary test set up description:</b>	Measurements were made in a semi or full anechoic chamber or TEM or reverberation chamber and the indicated field strength was pre-calibrated prior to placement of the system under test. For semi or full anechoic chamber the tests were performed in both the horizontal and vertical polarities, where applicable. The antenna was placed between 1 and 3 m from the product under test.	
<b>Antenna height:</b>	1.5 m	
<b>Distance antenna to EUT:</b>	3 m	
<b>Modulation:</b>	80 % AM with 1 kHz	
<b>Dwell time:</b>	3 s	
<b>Step size:</b>	1%	
<b>Applied testing method:</b>	<input type="checkbox"/>	IEC 61000-4-3 Radiated Field with Antenna
	<input type="checkbox"/>	IEC 61000-4-22 Radiated emission and immunity measurements in fully anechoic rooms (FARs)
	<input type="checkbox"/>	IEC 61000-4-20 Emission and immunity testing in transverse electromagnetic (TEM) waveguides
<b>Performance criterion:</b>	A	
<b>Remark:</b>	The highest clock frequency $\leq$ 15 MHz	

**5.3.2 Test results**

N/A



**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

**5.4 Electrical fast transient/Burst immunity test (EFT)**

**5.4.1 Test condition**

<b>Basic standard:</b>	<b>IEC 61000-4-4:2012 / EN 61000-4-4:2012</b>	
<b>Test setup:</b>	<input checked="" type="checkbox"/>	Equipment on the table (0.1 ± 0.01) m above ground plane
	<input type="checkbox"/>	Equipment standing on floor at (0.1 ± 0.05) m above ground plane
	<input type="checkbox"/>	Artificial hand applied
<b>Supplementary test set up description:</b>	The ground reference plane shall project beyond the EUT by at least 0.1 m on all sides. The minimum distance between the EUT and all other conductive structures (including the generator, AE and the walls of a shielded room), except the ground reference plane, shall be more than 0.5 m. All cables to the EUT shall be placed on the insulation support 0.1 m above the ground reference plane. Cables not subject to test shall be routed as far as possible from the cable under test to minimize the coupling between the cables. Either a direct coupling network or a capacitive clamp shall be used for the application of the test voltages.	
<b>Test time:</b>	1 min	
<b>Repetition frequency:</b>	5 kHz	
<b>Impulse wave shape:</b>	5/50 ns	
<b>Burst duration:</b>	15 ms for 5kHz repetition frequency	
<b>Burst period:</b>	300 ms	
<b>Performance criterion:</b>	B	
<b>Remark:</b>	--	

**5.4.2 Test results**

<b>Operating mode:</b>		Mode A			
<b>Supplementary information:</b>		--			
<b>Port</b>	<b>Test line</b>	<b>Test level (kV)</b>	<b>Polarity</b>	<b>Coupling method</b>	<b>Observations</b>
Input AC power ports	L1	1	+/-	CDN	Note 1
	N				
	PE				
	L1+N				
	L1+PE				
	N+PE				
	L1+N+PE				
Note 1: EUT worked as intended during and after test.					



**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

**5.5 Surges**

**5.5.1 Test condition**

<b>Basic Standard:</b>	<b>IEC 61000-4-5:2014+A1:2017 / EN 61000-4-5:2014+A1:2017</b>	
Test set up description:	Floor standing equipment set-up (10 cm over ground plane)	
Supplementary test set up description:	Tests were conducted with the product connected to a Coupling/Decoupling Network (CDN)	
Wave-Shape:	1.2/50 $\mu$ s open circuit voltage, 8/20 $\mu$ s short circuit current	
Repetition rate:	60 s	
Number of pulses for each coupling:	5 positive and 5 negative	
Performance criterion:	<input checked="" type="checkbox"/>	B
	<input type="checkbox"/>	C (Exception 7.2.7 of EN IEC 55014-2:2021 applied)
		Technical justification: --
Remark:	--	

**5.5.2 Test results**

Operating mode:	Mode A				
Supplementary information:	--				
Port	Coupling	Test level in kV	phase in degrees	Polarity	Observations
Input AC power ports	L1 – N	1	90°	+	Note 1
Input AC power ports	L1 – N	1	270°	-	Note 1
Input AC power ports	L1 - PE	2	90°	+	Note 1
Input AC power ports	L1 - PE	2	270°	-	Note 1
Input AC power ports	N - PE	2	90°	+	Note 1
Input AC power ports	N - PE	2	270°	-	Note 1
Note 1: EUT worked as intended during and after test.					



**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

**5.6 Immunity to conducted disturbances induced by RF fields (CS), 0.15 MHz to 230 MHz**

**5.6.1 Test condition**

<b>Basic Standard:</b>	<b>IEC 61000-4-6:2013 / EN 61000-4-6:2014</b>	
<b>Test setup:</b>	<input checked="" type="checkbox"/>	Equipment located (0,1 ± 0,05) m above ground plane
	<input type="checkbox"/>	Elevated ground plane.
	<input type="checkbox"/>	Artificial hand applied.
<b>Supplementary test set up description:</b>	Measurements were made on a ground plane that extends 0.5 m minimum beyond all sides of the system under test. The EUT was located 0.1 m above the reference ground plane and any associated cables attached to the EUT were located between 30 - 50mm above the ground plane. The indicated field was pre-calibrated prior to placement of the system under test.	
<b>Modulation:</b>	80 % AM with 1 kHz	
<b>Dwell time:</b>	3 s	
<b>Step size:</b>	1%	
<b>Performance criterion:</b>	A	
<b>Remark:</b>	--	

**5.6.2 Test results**

<b>Operating mode:</b>		Mode A			
<b>Supplementary information:</b>		--			
<b>Frequency range</b>	<b>Port</b>	<b>Test line</b>	<b>Test level (V)</b>	<b>CDN type</b>	<b>Observations</b>
0.15 MHz – 230 MHz	Input AC power ports	AC mains line	3	CDN	Note 1
Note 1: EUT worked as intended during and after test.					



**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

**5.7 Voltage dips**

**5.7.1 Test condition**

Basic Standard:	IEC 61000-4-11:2020 / EN IEC 61000-4-11:2020
Test set up description:	Floor standing equipment set-up (10 cm over ground plane)
Supplementary test set up description:	Testing was performed with the product connected directly to a generator capable of simulating the voltage drops.
Repetition rate:	10 s
Number of dips or interruptions:	3
Performance criterion:	C
Remark:	--

**5.7.2 Test results**

Operating mode:	Mode A			
Supplementary information:	--			
Applied mains voltage / frequency ( $U_N$ )	Test level in % of $U_N$	Duration in cycles	Phase angle in degrees	Observations
AC 230V, 50Hz	0	0.5	0°, 180°	Note 1
AC 230V, 50Hz	40	10	0°	Note 1
AC 230V, 50Hz	70	25	0°	Note 1
Note 1: EUT worked as intended during and after test.				



**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

## 6 Conclusion

The apparatus Air fryer and models Refer to Clause 3.1 are in compliance with the requirements of the standards EN IEC 55014-1:2021, EN IEC 55014-2:2021, EN IEC 61000-3-2:2019+A1:2021+A2:2024 and EN 61000-3-3:2013+A1:2019+A2:2021.



<b>LCIE China Company Limited</b> 必维欧亚电气技术咨询服务(上海)有限公司	<b>Building 4, No. 518, Xin Zhuan Road, CaoHejing Songjiang High-Tech Park, Shanghai, CHINA</b>	Tel: +86 21 6195 7000 Fax: +86 21 6195 7001 Email: <a href="mailto:BVLCIEMKT@bureauveritas.com">BVLCIEMKT@bureauveritas.com</a>
<b>Page 34 of 35</b>		TEST REPORT EN IEC 55014-1:2021 VER.1.0



LCIE

**TEST REPORT N°: AQMP-ESH-P24110083B-A3**

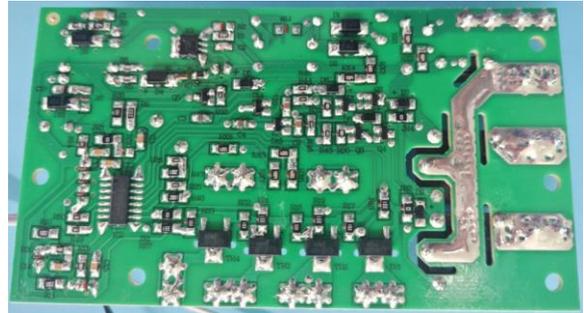
Supplement "A3" to test report No.: AQMP-ESH-P24110083B-A2 dated on 2025-02-27

**Appendix A: Photograph of sample**

Alt. Main PCB 2 view



Alt. Main PCB 2 view



Alt. display PCB 2 view



Alt. display PCB 2 view

