

Forschungsgesellschaft der FH Kärnten mbH
EMV- Mess- und -Prüflabor
Warmbader Straße 5, A-9500 Villach

Accredited test laboratory no. 185
for electromagnetic compatibility
according to directive 2014/30/EU



Test report

No.: PB21G558v11



customer:	Philips Domestic Appliances Austria GmbH
device under test:	Mexico Juicer HR1832 220-240 V / 50 Hz, ROW and 220 V / 60 Hz, MEA

test engineer - official in charge
(Patrick Vrdoljak)

head of test laboratory
(Michael Reil)

Villach, August 2, 2021

File name:	PB21G558v11
Rev.:	1.1

This test report must not be copied in parts. The test results and this test report are in exclusive connection to the described device under test.

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and signatory of the MRAs for the scopes "Testing, Calibration and Inspection".



test report

customer:	Philips Domestic Appliances Austria GmbH		
device under test:	Mexico Juicer HR1832 220-240 V / 50 Hz, ROW and 220 V / 60 Hz, MEA		
	Product audit 2021 (emc/emf)		
author:	Patrick Vrdoljak	check:	Michael Reil
distribution:	Mario Janschitz		
file:	PB21G558v11		
instruction:	The device under test was tested according to the following standards and directives: CISPR 14-1:2020 (Ed. 7.0) EN 55014-1 (April 2017) CISPR 14-2:2020 (Ed. 3.0) EN 55014-2 (April 2015) IEC 61000-3-2:2018/AMD1:2020 (Ed. 5.1) EN IEC 61000-3-2 (March 2019) IEC 61000-3-3:2013/AMD1:2017/AMD2:2021 (Ed. 3.2) EN 61000-3-3+A1 (August 2013 +A1 August 2019) IEC 62233:2005 (Ed. 1.0) EN 62233 (April 2008), modified		
result:	PASS (for detailed results see chapter 1.4 and chapter 1.5)		
note:	The test results and this test report are in exclusive connection to the described device under test.		

Additional information:

The measurements were performed at request of the customer in the course of an internal product audit!

revision history:				
revision	date	author	check	comment
1.0	May 31, 2021	P. Vrdoljak	M. Reil	replaced by rev1.1
1.1	August 2, 2021	P. Vrdoljak	M. Reil	Type numbers HR1833/** and HR1837/** added, Annex A added

Revision changes are marked with bold vertical line on the left side of the text and/or chapter

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	Checked by: M. Reil	
	File: PB21G558v11 Rev.:1.1	Page/Pages: 2/41

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1 GENERAL INFORMATION

1.1 Device under test (DUT) / Instruction

Name/Model/Type: **Mexico Juicer** HR1832/00/AJ
HR1832/**; HR1833/**, HR1836/**, HR1837/**
220 – 240 V / 50 Hz, ROW and 220 V / 60 Hz, MEA
400 – 500 W

Serial numbers: 2111

Date of fabrication: week 11, 2021

Hardware release: none (analog version)

Software release: none (analog version)

Internal frequency: none (analog version)

Instruction: **Product audit:** Inspection of the electromagnetic compatibility (emc/emf) of **one sample** according to CISPR 14-1 (emission), IEC 61000-3-2, IEC 61000-3-3, CISPR 14-2 (immunity) and IEC 62233 (emf).

The device under test is shown from Picture 1 to Picture 2.

For detailed system descriptions look up the reference manuals of the manufacturer. Manuals and schematics by Philips Domestic Appliances Austria GmbH

1.2 Costumer / Address

Philips Domestic Appliances Austria GmbH
Koningsbergerstraße 11
9020 Klagenfurt
Austria

1.3 Test laboratory / Address

Accredited test laboratory no. 185 for electromagnetic compatibility
according to directive 2014/30/EU.

Forschungsgesellschaft der FH Kärnten mbH

EMC- test laboratory
Warmbader Straße 5
A-9500 Villach

management – head office
Villacher Straße 1
A-9800 Spittal/Drau
FN 141367v

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1.4 Results

The device under test was tested according to the following standards:

CISPR 14-1:2020 (Ed. 7.0)

Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission

EN 55014-1 (April 2017)

CISPR 14-2:2020 (Ed. 3.0)

Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family standard

EN 55014-2 (April 2015)

IEC 61000-3-2:2018/AMD1:2020 (Ed. 5.1)

Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emission (equipment input current ≤ 16 A per phase)

EN IEC 61000-3-2 (March 2019)

IEC 61000-3-3:2013/AMD1:2017/AMD2:2021 (Ed. 3.2)

Electromagnetic compatibility (EMC) – Part 3-3: Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection.

EN 61000-3-3+A1 (August 2013 + August 2019)

IEC 62233:2005 (Ed. 1.0)

Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure

EN 62233 (April 2008), modified

RESULTS: The device under test fulfills the requirements of the performed tests according emission and immunity.

The device under test has shown compliance with the requirements in standard IEC 62233:2005 (Ed. 1.0) and EN 62233 (April 2008), modified.

For detailed results see chapter 1.5 and chapter 3.

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1.5 Summary of test results

1.5.1 Summary: emission

test	frequency range	port	result	chapter
CISPR 14-1: RF disturbance voltage	0,15 – 30 MHz	AC power port	PASS	see 3.1.1
CISPR 14-1: RF disturbance voltage	0,15 – 30 MHz	other line / port	n.a.	
CISPR 14-1: RF disturbance power	30 – 300 MHz	AC power port	PASS	see 3.1.2
CISPR 14-1: RF disturbance power	30 – 300 MHz	other line / port	n.a.	
CISPR 14-1: radiated disturbances CISPR 16-2-3	30 M – 1 GHz	enclosure	n.a.	
CISPR 14-1: Clicks	0,15 – 30 MHz	AC power port	n.a.	see 3.1.3
IEC 62233: EMF	10 Hz – 400 kHz	enclosure	PASS	see 3.1.4

n.a... not applicable

1.5.2 Summary: harmonics and flicker

test	port	result	chapter
IEC 61000-3-2: harmonic current emissions	AC power port	PASS	see 3.1.5
IEC 61000-3-3: voltage fluctuations and flicker	AC power port	PASS	see 3.1.6

n.a... not applicable

1.5.3 Summary: immunity

The device under test is classified and tested as a **Category I** device. For devices of category I, it is believed without testing, that they fulfill the requirements concerning immunity!

test	port	result	chapter
IEC 61000-4-2: Electrostatic discharge	enclosure	n.a.	
IEC 61000-4-3: Radiated radio frequency, rf-fields	enclosure	n.a.	
IEC 61000-4-4: Fast transients (Burst)	DC power port Signal/control line	n.a.	
IEC 61000-4-4: Fast transients (Burst)	AC power port	n.a.	
IEC 61000-4-5: Surge	AC power port	n.a.	
IEC 61000-4-6: Conducted disturbances	DC I/O power port Signal/control line	n.a.	
IEC 61000-4-6: Conducted disturbances	AC power port	n.a.	
EN 61000-4-11: Voltage dips and interrupts	AC power port	n.a.	

n.a... not applicable

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2 DESCRIPTION – DEVICE UNDER TEST

(Information by Philips Domestic Appliances Austria GmbH)

2.1 Short description / Function

The device under test (**HR1832/00/AJ**) is a mixer for salads and vegetables.

Tested model: HD1832/00/AJ

Input: 220 – 240 VAC / 50 – 60 Hz; 400W – 500W

The devices with type numbers

HR1832/**/**; HR1833/**/**, HR1836/**/**, HR1837/**/**
220 – 240V; 50 – 60 Hz; 400W – 500W

are identical in all mechanical and electrical aspects (e.g. design, construction, properties, components). The difference is only the color and the accessories.

Where /** could be a combination of numbers or letters between 00 and 99 or AA to ZZ that indicate the difference of the appliance in terms of colour, country code and accessories.

(information by Philips Domestic Appliances Austria GmbH)

For detailed system descriptions look up the reference manuals of the manufacturer.

Manuals and schematics by Philips Domestic Appliances Austria GmbH

2.2 Dimensions

height: 310 mm

diameter: 190 mm

weight: approx. 1,9 kg
(rough values)

2.3 Operating modes

The device under test was tested in a complete system configuration.

All tests were done under following operating conditions: (see chapter 3)

- **Mode 1: ON - motor running (without load)**
During the measurements the DUT was air cooled.

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2.4 Date and locations of testing

The device under test was tested in the period from May 25, 2021 to May 28, 2021.

External present during tests: none

Test engineer: Patrick Vrdoljak

Location: Forschungsgesellschaft der FH Kärnten mbH
EMV- Mess- und -Prüflabor
Warmbader Straße 5
A-9500 Villach

Tests (standards) /date:

Emission:

CISPR 14-1	rf disturbance voltage	/ May 26, 2021
CISPR 14-1	rf disturbance power	/ May 25, 2021
IEC 62233	EMF - Test	/ May 26, 2021
IEC 61000-3-2	Harmonics	/ May 28, 2021
IEC 61000-3-3	Flicker	/ May 28, 2021

Environmental conditions:

	desired range	during tests	result
temperature	15 - 35 °C	22,3 - 22,8 °C	OK/PASS
humidity	30 - 60 %_{rh}	43 - 45 %_{rh}	OK/PASS
air pressure	860 - 1060 mbar	958 - 962 mbar	OK/PASS

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3 APPLIED STANDARDS / TEST RESULTS

3.1 Emission

CISPR 14-1:2020 (Ed. 7.0)

Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission EN 55014-1 (April 2017)

3.1.1 CISPR 14-1: Disturbance voltage (150 kHz - 30 MHz)

Test setup: tested interface: mains power in
The device was located on a wooden table, 80 cm above the ground plane in a shielded chamber.

Operating mode: Mode 1

Limits: table 5 – General limits, column 2 and 3 (see CISPR 14-1)

The DUT was operated at the rated voltage and rated frequency (see CISPR 14-1, chapter 6.2.1 and 6.2.2). The mains voltage was set to **230 V / 50 Hz** and **220 V / 60 Hz**. Significant to accord the standard are the results of the Quasipeak detector and the Average detector.

The test setup according CISPR 14-1 is shown in Picture 3.

Test parameter:	
• Frequency range:	150 kHz to 30 MHz
• Resolution bandwidth:	9 kHz / Peak, Quasipeak, Average
• Step / duration:	4 kHz (auto) / 10 ms (P,AV), 1 s (QP)

The results are shown from Picture 8 to Picture 13.

230 V / 50 Hz: Disturbance voltage on power supply lines:
(P ...Peak, QP ... Quasipeak, AV ... Average)

Picture 8:	power supply lines 230 V / 50 Hz (Mode 1)	P+QP+AV
Picture 9:	power supply lines 230 V / 50 Hz (Mode 1)	QP-table
Picture 10:	power supply lines 230 V / 50 Hz (Mode 1)	AV-table

220 V / 60 Hz: Disturbance voltage on power supply lines:
(P ...Peak, QP ... Quasipeak, AV ... Average)

Picture 11:	power supply lines 220 V / 60 Hz (Mode 1)	P+QP+AV
Picture 12:	power supply lines 220 V / 60 Hz (Mode 1)	QP-table
Picture 13:	power supply lines 220 V / 60 Hz (Mode 1)	AV-table

Result: PASS - The results are within the limits!

3.1.2 CISPR 14-1: Disturbance power (30 MHz – 300 MHz)

Test setup: tested interface: mains power in
The device was located on a wooden table, 80 cm above the ground plane in a shielded chamber. The distance to all other metal plates is 80 cm in minimum.

Operating mode: Mode 1

Limits: table 7, General limits, column 2 and 3 and table 8 (reduction applicable to table 7 limits) (see CISPR 14-1)

The DUT was operated at the rated voltage and rated frequency (see CISPR 14-1, chapter 6.2.1 and 6.2.2). The mains voltage was set to **230 V / 50 Hz** and **220 V / 60 Hz**. Significant to accord the standard are the results of the Quasipeak detector and the Average detector.

The test setup according CISPR 14-1 is shown in Picture 4.

Test parameter:	
• Frequency range:	30 MHz to 300 MHz
• Resolution bandwidth:	120 kHz / Peak, Quasipeak, Average
• Step / duration:	40 kHz (auto) / 10 ms (P,AV), 1 s (QP)

The results are shown from Picture 14 to Picture 21.

230 V / 50 Hz: Disturbance power on power supply lines:
(P ...Peak, QP ... Quasipeak, AV ... Average)

Picture 14:	power supply lines 230 V / 50 Hz (Mode 1)	P+QP+AV
Picture 15:	power supply lines 230 V / 50 Hz (Mode 1)	QP-table
Picture 16:	power supply lines 230 V / 50 Hz (Mode 1)	QP-table
Picture 17:	power supply lines 230 V / 50 Hz (Mode 1)	AV-table

220 V / 60 Hz: Disturbance power on power supply lines:
(P ...Peak, QP ... Quasipeak, AV ... Average)

Picture 18:	power supply lines 220 V / 60 Hz (Mode 1)	P+QP+AV
Picture 19:	power supply lines 220 V / 60 Hz (Mode 1)	QP-table
Picture 20:	power supply lines 220 V / 60 Hz (Mode 1)	QP-table
Picture 21:	power supply lines 220 V / 60 Hz (Mode 1)	AV-table

Result: PASS - The results are within the limits!

3.1.3 CISPR 14-1: Discontinuous disturbances (Clicks)

The test does not have to be performed, because the device under test has no source of discontinuous disturbances (clicks). The device under test is deemed to comply with the requirements without testing. (see CISPR 14-1, chapter 4.1 and also the measured spectrum - Disturbance voltage in this test report).

Result: n.a. – not applicable!

3.1.4 IEC 62233: EMF - Test

3.1.4.1 Standard and environmental field condition

Standard applied	IEC 62233:2005 / EN 62233 (April 2008)
Measuring method	Time domain evaluation (clause 5.5.2)
Measuring instrument	ELT-400 2304/04 with ELT-Probe 100cm ² 2300/90.10
Measurement uncertainty	Only applicable when measured result is > 75% of limit.
Background values	≤ 0,168 % of limit (allowed max. 5%)

3.1.4.2 Test conditions

Measuring distance	30 cm from surface
Sensor location	all around
Operating conditions	Mode 1: ON - motor running (without load)
Coupling factor	Not used. Maximum measured field ≤ 100 % of limit
Supply voltage 1	230 V / 50 Hz
Supply voltage 2	220 V / 60 Hz
Test setup	see Picture 5 and Picture 6

3.1.4.3 Test result 1 (230 V / 50 Hz)

Position of max. value	bottom right side
Max. value according to standard	≤ 2,982 % of limit (requirement ≤ 100 %)
Result	OK/PASS - The device under test has shown compliance with the requirements in standard IEC 62233:2005 and EN 62233 (April 2008)

3.1.4.4 Test result 2 (220 V / 60 Hz)

Position of max. value	bottom right side
Max. value according to standard	≤ 2,946 % of limit (requirement ≤ 100 %)
Result	OK/PASS - The device under test has shown compliance with the requirements in standard IEC 62233:2005 and EN 62233 (April 2008)

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3.1.5 IEC 61000-3-2: Harmonic current emissions

3.1.5.1 Harmonic current emissions (supply voltage 230 V / 50 Hz)

The test was performed corresponding to IEC 61000-3-2 and is shown in Picture 7.

Operating mode: Mode 1

The test was performed on the power supply line in accordance with the following table:

Test parameter:	
• power supply:	230 V _{AC} , 50 Hz
• minimum power:	75 W
• harmonics:	2. - 40.
• Observation period:	2.5 min
• Class:	A (table 1)

The result is shown in Picture 22.

Picture 22: harmonic current emissions Mode 1 - final table

Result: PASS - The results are within the limits!

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3.1.5.2 Harmonic current emissions (supply voltage 220 V / 60 Hz)

The test was performed corresponding to IEC 61000-3-2 and is shown in Picture 7.

Operating mode: Mode 1

The test was performed on the power supply line in accordance with the following table:

Test parameter:	
• power supply:	220 V _{AC} , 60 Hz
• minimum power:	75 W
• harmonics:	2. - 40.
• Observation period:	2.5 min
• Class:	A (table 1)

The result is shown in Picture 23.

Picture 23: harmonic current emissions Mode 1 - final table

Result: PASS - The results are within the limits!

3.1.6 IEC 61000-3-3: Voltage fluctuations and flicker

3.1.6.1 Voltage fluctuations and flicker (supply voltage 230 V / 50 Hz)

The test was performed corresponding to IEC 61000-3-3 and is shown in Picture 7.

Operating mode: Mode 1

Test condition: IEC 61000-3-3, annex B (Test conditions and procedures for measuring $d_{\max}$ voltage changes caused by manual switching) and annex A.8 (Test conditions for food mixers)

The test was performed on the power supply lines in accordance with the following table:

Test parameter and limits:	
• power supply:	230 V _{AC} , 50 Hz
• test duration:	24 x manual switching (observation interval = each 1 min)
• $d_{\max}$:	max. 7 %
• dc:	< 3,3 %
• T _{max} :	< 0,5 s

The results are shown in Picture 24.

Picture 24: manual switching results – Mode 1 - final table

Result: PASS - The results are within the limits!

3.1.6.2 Voltage fluctuations and flicker (supply voltage 220 V / 60 Hz)

The standard is applicable to electrical and electronic equipment having an input current equal to or less than 16 A per phase, intended to be connected to public low-voltage distribution systems of between 220 V and 250 V line to neutral at **50 Hz**, and not subject to conditional connection (see IEC 61000-3-3, chapter 1)

Result: n.a. – not applicable!

4 TEST SETUP

4.1 Lines / Type of lines

line	definition	spec. length	tested length	tested (YES/NO)
AC Power line	1 cable 2-wire (L, N) 220-240 V / 50 Hz (L, N) 220 V / 60 Hz	-	-	YES

5 TEST EQUIPMENT

The measuring equipment is subject to the "FGmbH-EMC-laboratory calibration regulation" - all measuring relevant devices are equipped with current calibration certificates. The measurement uncertainty of the equipment fulfils CISPR 16-4-2 and the related European and national standards. Calibration data are on file and available from the test laboratory upon request.

5.1 Measuring instruments

Inv. no.	Pcs.	Excerpt from inventory list – FGmbH Type of equipment	Manufacturer	Type	last calibration
G21	1	EM-clamp 30MHz-1000MHz	Lüthi	MDS-21	2020-08
G120	1	Artificial Mains Network	R&S	ESH3-Z5	2020-02
G229	1	EMI Receiver	R&S	ESCI 7	2019-06
G242	1	ELT-400 Exposure Level Tester/B-Field Probe 100 cm ³	Narda	ELT-400	2020-03
G261	1	EMC testsystem for EN 61000-3-2 and EN 61000-3-3	Spitzenberger & Spies	EMV D 15000/PAS	2020-08
G288	1	Digital-Hygro-/Thermometer	Greisinger	GFTH 95	2020-11
G289	1	Digital Barometer	Greisinger	GPB 3300	2020-11

5.2 Measurement uncertainty

5.2.1 Emission and EMF:

chapter	standard	title	measurement uncertainty
3.1.1	CISPR 14-1	disturbance voltage, test setup with G229+G120	$U_{LAB} = 2,48 \text{ dB}$ (150 kHz-30 MHz)
3.1.2	CISPR 14-1	interference power, test setup with G229+G21	$U_{LAB} = 3,85 \text{ dB}$ (30 kHz-300 MHz)
3.1.4	IEC 62233	EMF test (G242)	12,67 % (1 Hz – 10 Hz) 1,92 % (10 Hz – 120 kHz) 3,83 % (120 kHz – 400 kHz)
3.1.5	IEC 61000-3-2	Harmonic currents, test setup with G261	$\pm 0,2\%$ of the measured value (Voltage) $\pm 0,2\%$ of the measured value (Current) $\pm 8 \text{ mA}$ (20 A), $\pm 1,6 \text{ mA}$ (4 A), $\pm 0,32 \text{ mA}$ (0,8 A), $\pm 0,2 \text{ mA}$ (0,16 A)
3.1.6	IEC 61000-3-3	Flicker, test setup with G261	Pst: $\pm 5\%$ in relation to Pst = 1 d-value: 0,2% Un

(rev. 2.21.2)

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Picture 1: Device under test (DUT)

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Picture 2: Device under test (DUT)

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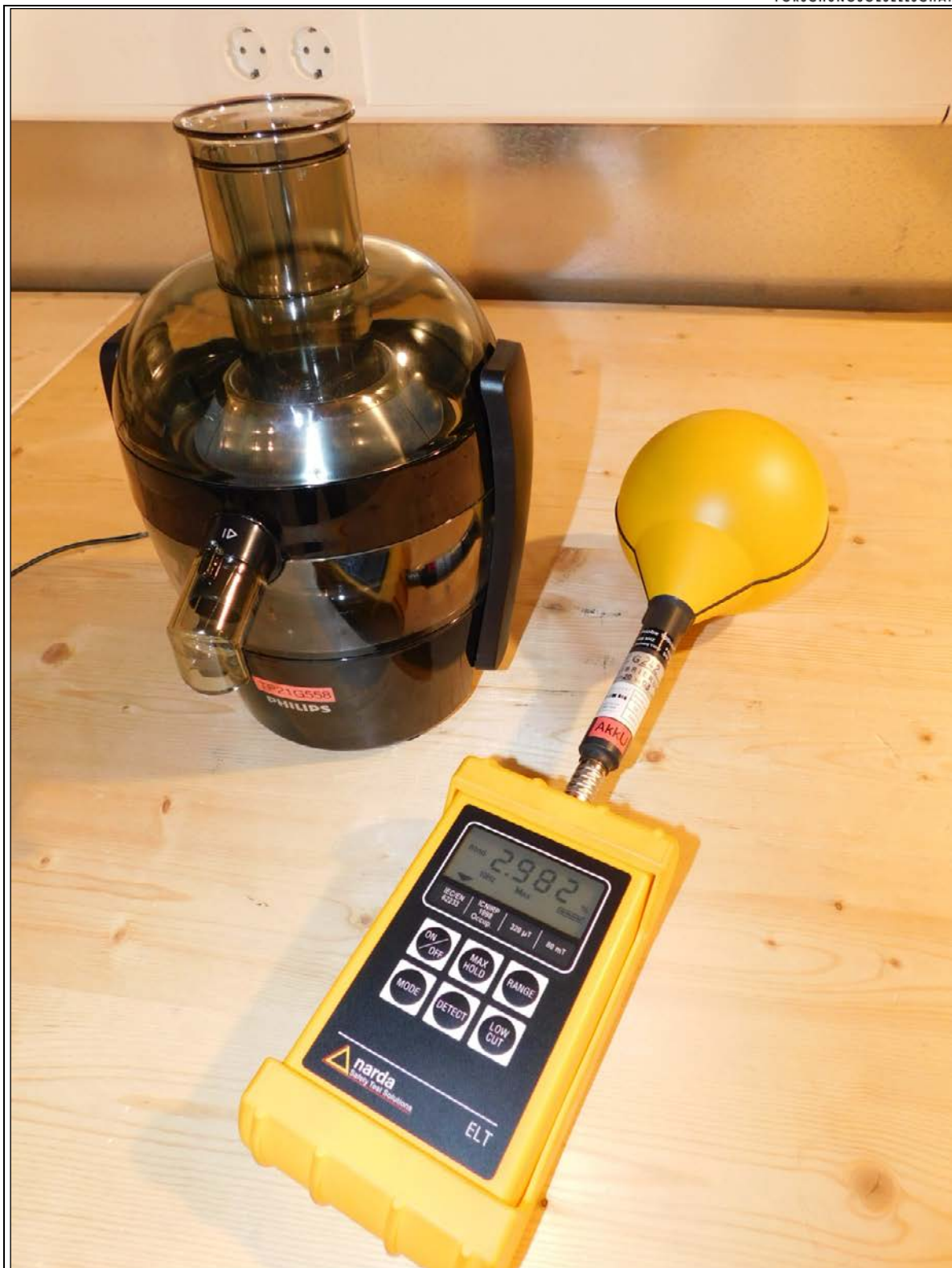
Picture 3: Test setup CISPR 14-1 disturbance voltage
 on AC power supply lines

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Picture 4: Test setup CISPR 14-1 disturbance power
 on AC power supply lines

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Picture 5: Test setup IEC 62233 EMF test (230 V / 50 Hz)

 (symbolic picture)

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Picture 6: Test setup IEC 62233 EMF test (220 V / 60 Hz)
 (symbolic picture)

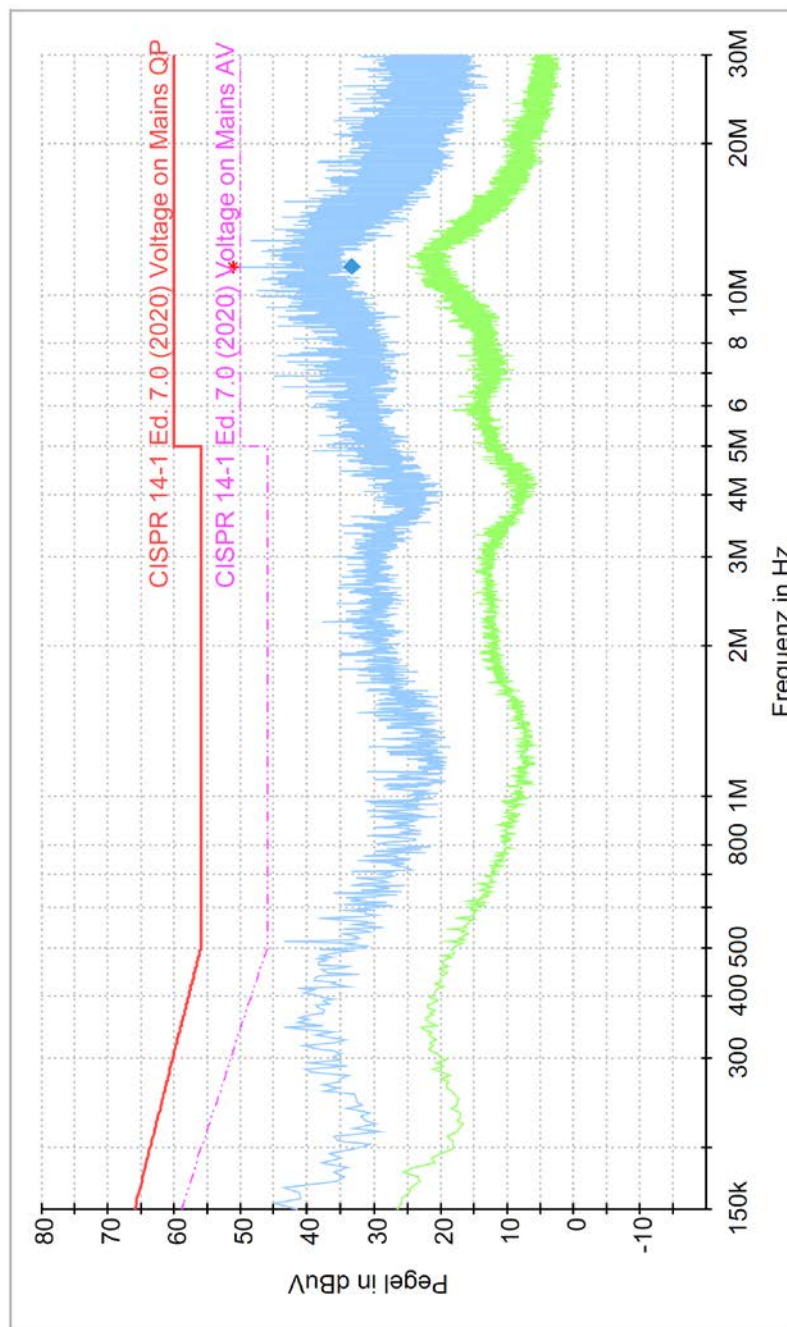
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Picture 7: Test setup IEC 61000-3-2
 harmonic currents / IEC 61000-3-3 flicker

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Full Spectrum



Picture 8: Test result CISPR 14-1, Mode 1
 disturbance voltage, power supply lines (230 V_{AC} / 50 Hz)



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Final Result QPK

Frequenz (MHz)	QuasiPeak (dBuV)	Limit (dBuV)	Margin (dB)	Messzeit (ms)	Bandbreite (kHz)	Leiter	PE	Korr. (dB)	Kommentar
11.306000	33.37	60.00	26.63	1000.0	9.000	N	GND	0.4	

Picture 9: Test result CISPR 14-1, Mode 1
disturbance voltage, power supply lines (230 V_{AC} / 50 Hz) QP-table

Forschungsgesellschaft der FH Kärnten mbH

EMV- Mess- und -Prüflabor

A-9500 Villach, Warmbader Straße 5

Written by: P. Vrdoljak

Checked by: M. Reil

File: **PB21G558v11** Rev.:1.1

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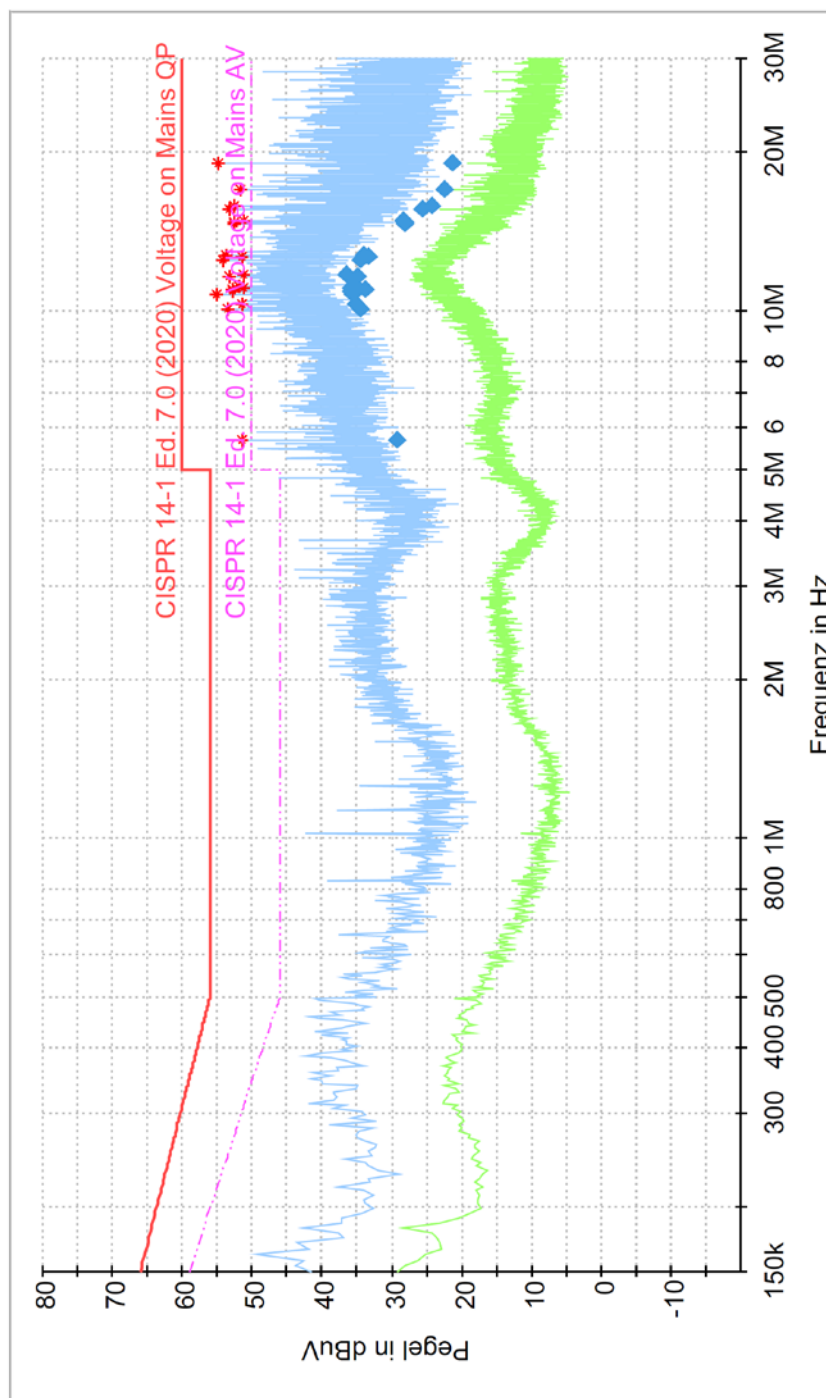
no final results!

*Picture 10: Test result CISPR 14-1, Mode 1
disturbance voltage, power supply lines (230 V_{AC} / 50 Hz) AV-table*

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This test report must not be copied in parts.

Full Spectrum



Picture 11: Test result CISPR 14-1, Mode 1
 disturbance voltage, power supply lines (220 V_{AC} / 60 Hz)

Final Result QPK

Frequenz (MHz)	QuasiPeak (dBuV)	Limit (dBuV)	Margin (dB)	Messzeit (ms)	Bandbreite (kHz)	Leiter	PE	Korr. (dB)	Kommentar
5.682000	29.29	60.00	30.71	1000.0	9.000	N	GND	0.4	
10.038000	34.34	60.00	25.66	1000.0	9.000	N	GND	0.4	
10.262000	35.08	60.00	24.92	1000.0	9.000	N	GND	0.4	
10.694000	35.65	60.00	24.35	1000.0	9.000	N	GND	0.4	
10.842000	35.76	60.00	24.24	1000.0	9.000	N	GND	0.4	
10.962000	33.72	60.00	26.28	1000.0	9.000	L1	GND	0.4	
11.014000	35.70	60.00	24.30	1000.0	9.000	N	GND	0.4	
11.134000	35.17	60.00	24.83	1000.0	9.000	N	GND	0.4	
11.566000	34.79	60.00	25.21	1000.0	9.000	L1	GND	0.4	
11.682000	36.47	60.00	23.53	1000.0	9.000	N	GND	0.4	
12.442000	34.42	60.00	25.58	1000.0	9.000	N	GND	0.4	
12.650000	33.20	60.00	26.80	1000.0	9.000	N	GND	0.4	
12.710000	33.91	60.00	26.09	1000.0	9.000	N	GND	0.4	
14.598000	28.11	60.00	31.89	1000.0	9.000	N	GND	0.5	
14.626000	28.04	60.00	31.96	1000.0	9.000	N	GND	0.5	
14.754000	28.21	60.00	31.79	1000.0	9.000	N	GND	0.5	
15.574000	25.55	60.00	34.45	1000.0	9.000	N	GND	0.5	
15.722000	24.23	60.00	35.77	1000.0	9.000	N	GND	0.5	
16.982000	22.47	60.00	37.53	1000.0	9.000	N	GND	0.5	
18.986000	21.17	60.00	38.83	1000.0	9.000	N	GND	0.5	

Picture 12: Test result CISPR 14-1, Mode 1
disturbance voltage, power supply lines (220 V_{AC} / 60 Hz) QP-table

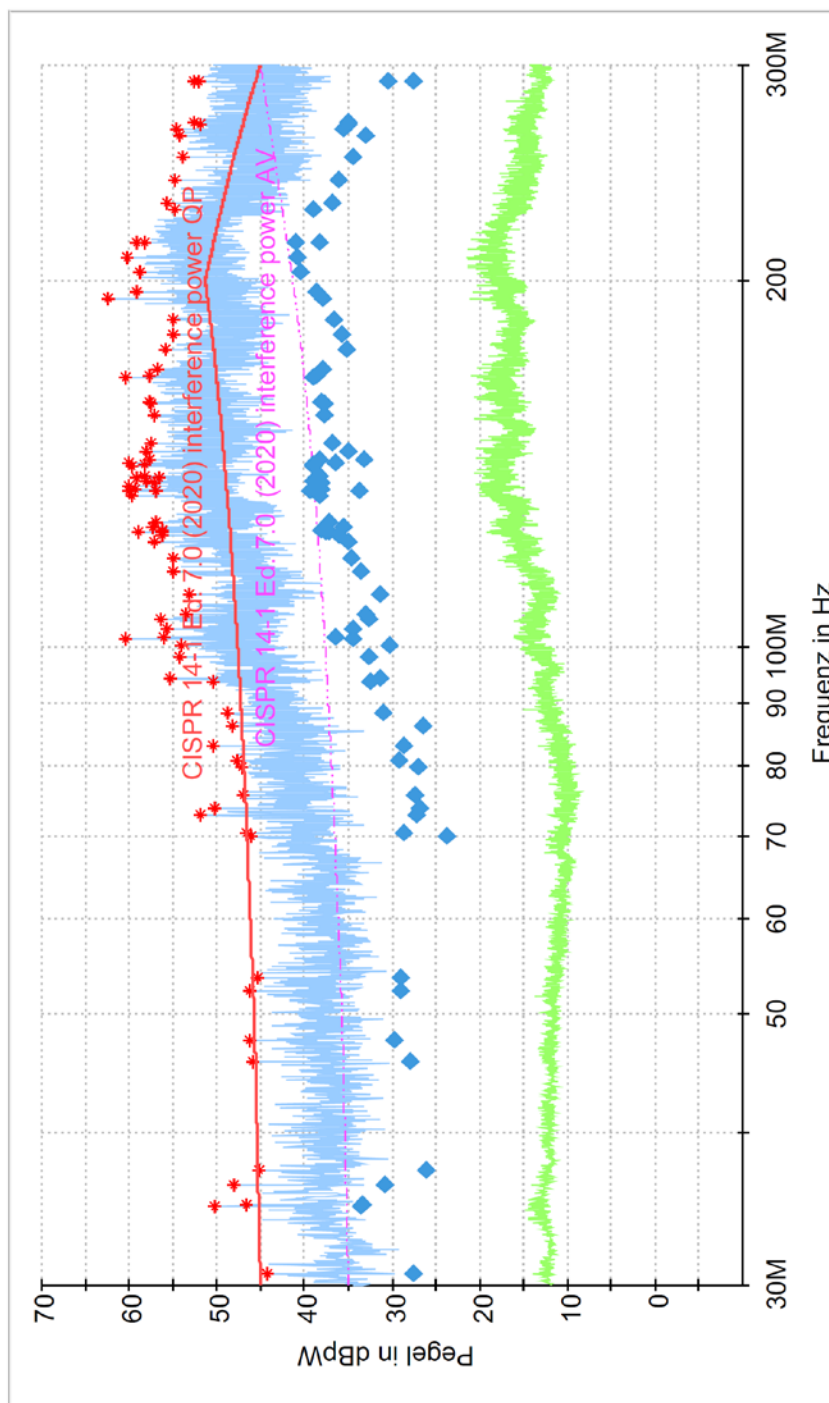


no final results!

*Picture 13: Test result CISPR 14-1, Mode 1
disturbance voltage, power supply lines (220 V_{AC} / 60 Hz) AV-table*

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Full Spectrum



Picture 14: Test result CISPR 14-1 rf disturbance power
 Mode 1, AC power supply lines (230 V_{AC} / 50 Hz)

Final Result QPK

Frequenz (MHz)	QuasiPeak (dBpW)	Limit (dBpW)	Margin (dB)	Messzeit (ms)	Bandbreite (kHz)	Position (cm)	Korr. (dB)	Kommentar
30.640000	27.49	45.03	17.54	1000.0	120.000	372.0	12.1	
34.840000	33.50	45.21	11.71	1000.0	120.000	298.0	11.7	
34.920000	33.30	45.21	11.91	1000.0	120.000	298.0	11.7	
36.240000	30.84	45.26	14.42	1000.0	120.000	298.0	11.5	
37.240000	26.06	45.30	19.24	1000.0	120.000	238.0	11.5	
45.760000	27.89	45.58	17.69	1000.0	120.000	190.0	10.7	
47.640000	29.68	45.63	15.95	1000.0	120.000	190.0	10.5	
52.320000	28.96	45.81	16.85	1000.0	120.000	152.0	10.1	
53.600000	29.01	45.87	16.86	1000.0	120.000	152.0	9.9	
69.920000	23.79	46.53	22.74	1000.0	120.000	238.0	8.6	
70.520000	28.72	46.55	17.83	1000.0	120.000	98.0	8.5	
72.760000	27.12	46.63	19.51	1000.0	120.000	465.0	8.3	
73.720000	26.77	46.66	19.89	1000.0	120.000	465.0	8.3	
75.720000	27.45	46.73	19.28	1000.0	120.000	78.0	8.1	
79.760000	26.97	46.89	19.92	1000.0	120.000	238.0	8.4	
80.640000	29.13	46.93	17.80	1000.0	120.000	62.0	8.5	
83.000000	28.64	47.02	18.38	1000.0	120.000	62.0	8.6	
86.280000	26.55	47.14	20.59	1000.0	120.000	98.0	8.9	
88.200000	30.98	47.21	16.23	1000.0	120.000	62.0	9.0	
93.840000	32.53	47.40	14.87	1000.0	120.000	190.0	8.9	
94.160000	31.41	47.41	16.01	1000.0	120.000	465.0	8.9	
98.280000	32.69	47.55	14.86	1000.0	120.000	465.0	8.7	
100.280000	30.28	47.61	17.33	1000.0	120.000	372.0	8.6	
101.600000	34.41	47.66	13.26	1000.0	120.000	465.0	8.5	
102.040000	36.44	47.68	11.24	1000.0	120.000	38.0	8.5	
103.400000	34.38	47.74	13.35	1000.0	120.000	12.0	8.4	
105.360000	32.56	47.81	15.25	1000.0	120.000	0.0	8.4	
106.480000	32.93	47.85	14.92	1000.0	120.000	298.0	8.4	
110.600000	31.33	48.01	16.67	1000.0	120.000	0.0	8.5	
115.440000	33.57	48.18	14.61	1000.0	120.000	38.0	8.6	
118.120000	34.58	48.27	13.69	1000.0	120.000	0.0	8.7	
121.840000	35.02	48.40	13.38	1000.0	120.000	12.0	8.9	
123.480000	36.15	48.45	12.30	1000.0	120.000	0.0	9.0	
124.120000	37.57	48.47	10.91	1000.0	120.000	0.0	9.0	
124.440000	37.19	48.48	11.29	1000.0	120.000	0.0	9.1	
124.840000	38.02	48.50	10.48	1000.0	120.000	12.0	9.1	
125.360000	35.49	48.51	13.02	1000.0	120.000	38.0	9.1	
126.640000	37.18	48.56	11.39	1000.0	120.000	0.0	9.2	
133.120000	38.31	48.81	10.50	1000.0	120.000	0.0	9.8	
134.240000	33.79	48.85	15.06	1000.0	120.000	465.0	9.8	
134.360000	39.28	48.86	9.58	1000.0	120.000	38.0	9.9	
134.680000	38.05	48.87	10.82	1000.0	120.000	50.0	9.9	

Picture 15: Test result CISPR 14-1 rf disturbance power
Mode 1, AC power supply lines (230 V_{AC} / 50 Hz) – QP final table

Frequenz (MHz)	QuasiPeak (dBpW)	Limit (dBpW)	Margin (dB)	Messzeit (ms)	Bandbreite (kHz)	Position (cm)	Korr. (dB)	Kommentar
135.640000	38.63	48.90	10.27	1000.0	120.000	0.0	9.8	
136.280000	38.10	48.93	10.83	1000.0	120.000	0.0	9.8	
136.680000	38.98	48.94	9.96	1000.0	120.000	12.0	9.7	
137.520000	38.56	48.97	10.41	1000.0	120.000	0.0	9.6	
137.880000	38.43	48.98	10.56	1000.0	120.000	0.0	9.6	
138.000000	38.31	48.99	10.68	1000.0	120.000	0.0	9.6	
140.560000	39.02	49.08	10.06	1000.0	120.000	0.0	9.3	
141.000000	39.05	49.10	10.05	1000.0	120.000	0.0	9.3	
141.680000	36.52	49.12	12.60	1000.0	120.000	190.0	9.2	
142.280000	38.31	49.14	10.83	1000.0	120.000	0.0	9.2	
142.600000	33.25	49.15	15.90	1000.0	120.000	78.0	9.1	
144.640000	34.99	49.22	14.23	1000.0	120.000	298.0	8.9	
146.720000	36.87	49.29	12.42	1000.0	120.000	25.0	8.7	
154.840000	37.71	49.59	11.87	1000.0	120.000	0.0	8.6	
158.280000	37.71	49.71	12.00	1000.0	120.000	0.0	8.7	
158.920000	38.04	49.74	11.70	1000.0	120.000	0.0	8.7	
166.360000	38.93	50.00	11.08	1000.0	120.000	0.0	8.9	
166.840000	38.68	50.02	11.34	1000.0	120.000	0.0	9.0	
169.200000	37.81	50.10	12.29	1000.0	120.000	0.0	9.0	
175.520000	35.25	50.32	15.08	1000.0	120.000	98.0	9.2	
180.560000	35.75	50.53	14.78	1000.0	120.000	78.0	9.3	
185.440000	36.61	50.73	14.13	1000.0	120.000	0.0	9.1	
193.040000	37.93	51.04	13.11	1000.0	120.000	78.0	8.8	
195.520000	38.69	51.13	12.44	1000.0	120.000	0.0	8.7	
203.000000	40.50	51.10	10.60	1000.0	120.000	0.0	8.9	
208.360000	40.74	50.74	10.01	1000.0	120.000	0.0	9.0	
214.440000	38.32	50.35	12.03	1000.0	120.000	12.0	9.2	
214.840000	40.91	50.33	9.42	1000.0	120.000	50.0	9.2	
228.160000	39.01	49.50	10.49	1000.0	120.000	50.0	9.6	
231.320000	36.82	49.31	12.48	1000.0	120.000	98.0	9.7	
241.360000	36.12	48.70	12.58	1000.0	120.000	500.0	9.9	
252.040000	34.51	48.06	13.55	1000.0	120.000	152.0	10.1	
262.400000	32.98	47.39	14.41	1000.0	120.000	12.0	10.3	
265.640000	35.59	47.18	11.59	1000.0	120.000	78.0	10.4	
268.200000	34.97	47.02	12.05	1000.0	120.000	25.0	10.5	
269.000000	35.08	46.97	11.89	1000.0	120.000	121.0	10.5	
290.400000	27.62	45.60	17.97	1000.0	120.000	98.0	10.0	
290.480000	30.50	45.59	15.10	1000.0	120.000	12.0	10.0	

Picture 16: Test result CISPR 14-1 rf disturbance power
Mode 1, AC power supply lines (230 V_{AC} / 50Hz) – QP final table

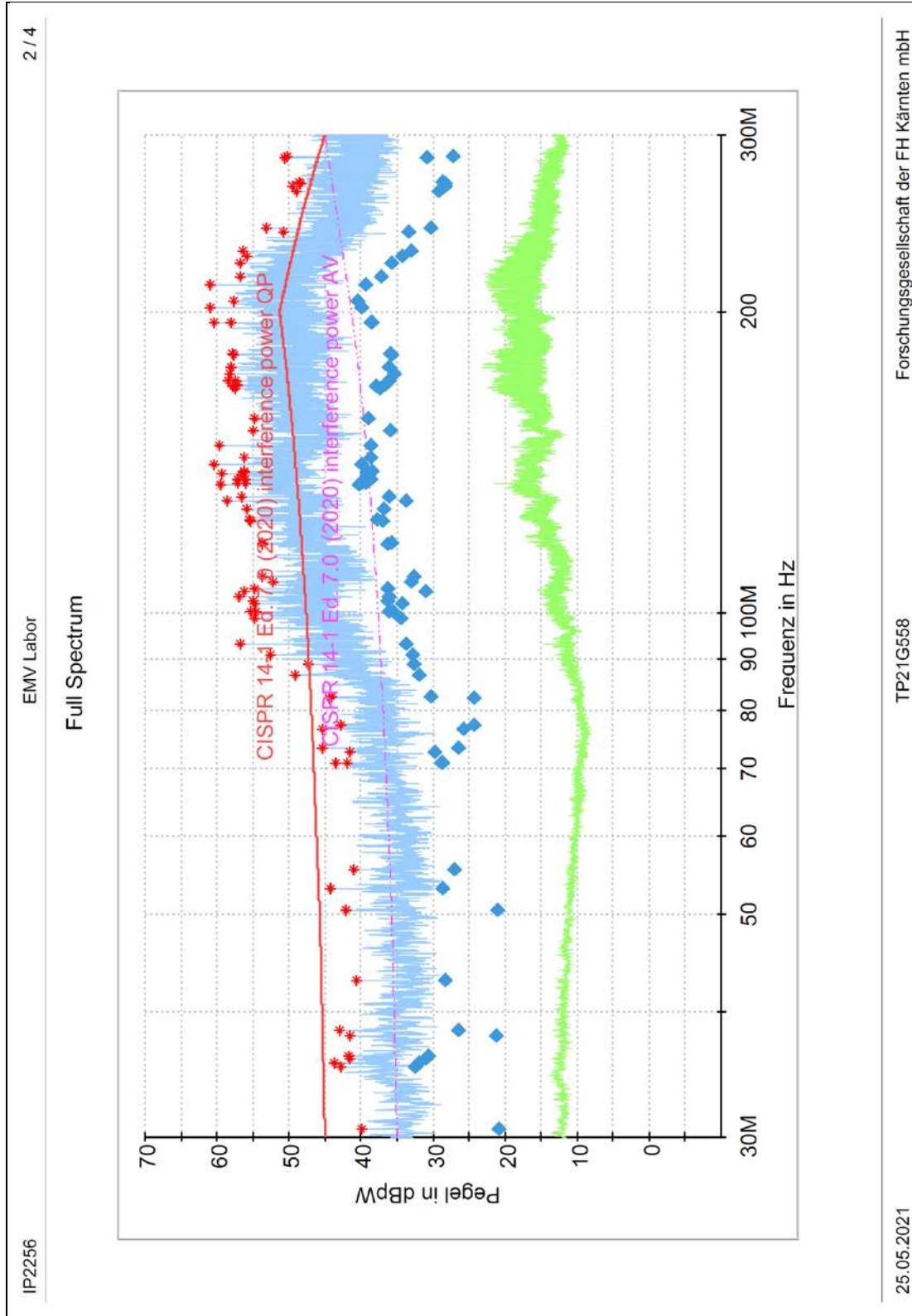


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no final results!

*Picture 17: Test result CISPR 14-1 rf disturbance power
Mode 1, AC power supply lines (230 V_{AC} / 50 Hz) – AV final table*



Picture 18: Test result CISPR 14-1 rf disturbance power
 Mode 1, AC power supply lines (220 V_{AC} / 60 Hz)

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Final_Result_QPK

Frequenz (MHz)	QuasiPeak (dBpW)	Limit (dBpW)	Margin (dB)	Messzeit (ms)	Bandbreite (kHz)	Position (cm)	Korr. (dB)	Kommentar
30.600000	20.89	45.03	24.13	1000.0	120.000	0.0	12.1	
35.280000	32.44	45.22	12.78	1000.0	120.000	298.0	11.6	
35.560000	31.93	45.23	13.31	1000.0	120.000	298.0	11.6	
35.960000	31.08	45.25	14.16	1000.0	120.000	298.0	11.6	
36.160000	30.69	45.26	14.56	1000.0	120.000	298.0	11.6	
37.840000	21.22	45.32	24.10	1000.0	120.000	0.0	11.4	
38.280000	26.51	45.33	18.82	1000.0	120.000	238.0	11.4	
43.000000	28.30	45.49	17.19	1000.0	120.000	238.0	11.0	
50.480000	21.02	45.72	24.70	1000.0	120.000	238.0	10.2	
53.080000	28.55	45.85	17.29	1000.0	120.000	152.0	10.0	
55.480000	26.92	45.96	19.03	1000.0	120.000	122.0	9.8	
70.840000	28.61	46.56	17.95	1000.0	120.000	122.0	8.5	
70.960000	28.81	46.56	17.75	1000.0	120.000	122.0	8.5	
72.680000	29.78	46.62	16.84	1000.0	120.000	465.0	8.3	
73.400000	26.51	46.65	20.14	1000.0	120.000	500.0	8.3	
76.640000	25.66	46.77	21.11	1000.0	120.000	500.0	8.1	
77.240000	24.24	46.79	22.55	1000.0	120.000	12.0	8.2	
82.240000	24.31	46.99	22.68	1000.0	120.000	0.0	8.6	
82.560000	30.19	47.00	16.81	1000.0	120.000	78.0	8.6	
86.800000	31.99	47.16	15.17	1000.0	120.000	50.0	8.9	
88.960000	32.57	47.23	14.66	1000.0	120.000	372.0	9.0	
90.960000	32.85	47.30	14.45	1000.0	120.000	372.0	9.0	
93.080000	33.78	47.38	13.59	1000.0	120.000	500.0	8.9	
98.760000	34.42	47.56	13.14	1000.0	120.000	38.0	8.7	
100.200000	35.99	47.61	11.62	1000.0	120.000	298.0	8.6	
100.320000	35.51	47.61	12.10	1000.0	120.000	38.0	8.6	
102.280000	34.28	47.69	13.41	1000.0	120.000	12.0	8.5	
102.840000	36.26	47.71	11.45	1000.0	120.000	38.0	8.5	
103.800000	36.01	47.75	11.74	1000.0	120.000	465.0	8.4	
105.160000	31.07	47.80	16.73	1000.0	120.000	500.0	8.4	
105.840000	36.33	47.83	11.49	1000.0	120.000	298.0	8.4	
107.320000	33.02	47.89	14.86	1000.0	120.000	12.0	8.5	
108.880000	32.62	47.94	15.32	1000.0	120.000	12.0	8.5	
117.160000	36.29	48.24	11.95	1000.0	120.000	500.0	8.6	
117.440000	35.71	48.25	12.54	1000.0	120.000	12.0	8.7	
123.600000	37.03	48.46	11.42	1000.0	120.000	12.0	9.0	
124.000000	37.72	48.47	10.75	1000.0	120.000	12.0	9.0	
126.880000	36.79	48.57	11.78	1000.0	120.000	12.0	9.3	
129.440000	33.67	48.67	15.01	1000.0	120.000	0.0	9.5	
130.800000	36.00	48.72	12.73	1000.0	120.000	298.0	9.6	
134.400000	40.28	48.86	8.57	1000.0	120.000	12.0	9.9	
134.680000	39.30	48.87	9.57	1000.0	120.000	0.0	9.9	

Picture 19: Test result CISPR 14-1 rf disturbance power
Mode 1, AC power supply lines (220 V_{AC} / 60Hz) – QP final table

Frequenz (MHz)	QuasiPeak (dBpW)	Limit (dBpW)	Margin (dB)	Messzeit (ms)	Bandbreite (kHz)	Position (cm)	Korr. (dB)	Kommentar
134.920000	39.96	48.88	8.92	1000.0	120.000	12.0	9.9	
135.800000	39.23	48.91	9.68	1000.0	120.000	12.0	9.8	
135.920000	38.61	48.91	10.31	1000.0	120.000	500.0	9.8	
137.360000	39.20	48.97	9.77	1000.0	120.000	25.0	9.7	
137.680000	38.86	48.98	10.12	1000.0	120.000	12.0	9.6	
137.960000	39.15	48.99	9.83	1000.0	120.000	0.0	9.6	
138.440000	38.51	49.00	10.49	1000.0	120.000	500.0	9.5	
140.600000	39.91	49.08	9.17	1000.0	120.000	238.0	9.3	
142.680000	38.56	49.15	10.59	1000.0	120.000	238.0	9.1	
147.120000	38.63	49.30	10.67	1000.0	120.000	12.0	8.7	
152.040000	35.94	49.48	13.53	1000.0	120.000	12.0	8.5	
156.240000	38.90	49.64	10.74	1000.0	120.000	372.0	8.6	
167.240000	37.30	50.04	12.73	1000.0	120.000	0.0	9.0	
168.320000	37.84	50.07	12.23	1000.0	120.000	0.0	9.0	
169.080000	36.54	50.10	13.56	1000.0	120.000	0.0	9.0	
170.480000	36.06	50.15	14.09	1000.0	120.000	0.0	9.1	
170.720000	36.07	50.16	14.09	1000.0	120.000	0.0	9.1	
173.040000	35.36	50.23	14.88	1000.0	120.000	0.0	9.1	
176.000000	36.13	50.34	14.21	1000.0	120.000	0.0	9.2	
180.720000	35.79	50.54	14.75	1000.0	120.000	0.0	9.3	
181.520000	35.81	50.57	14.76	1000.0	120.000	0.0	9.2	
194.600000	38.63	51.10	12.46	1000.0	120.000	0.0	8.7	
194.880000	38.36	51.11	12.75	1000.0	120.000	0.0	8.7	
201.440000	39.97	51.20	11.23	1000.0	120.000	0.0	8.8	
204.720000	40.49	50.98	10.49	1000.0	120.000	0.0	8.9	
212.840000	39.29	50.46	11.17	1000.0	120.000	0.0	9.1	
216.600000	37.20	50.22	13.02	1000.0	120.000	238.0	9.2	
223.640000	35.63	49.78	14.15	1000.0	120.000	0.0	9.5	
226.680000	34.20	49.59	15.39	1000.0	120.000	0.0	9.5	
229.680000	32.97	49.41	16.44	1000.0	120.000	0.0	9.6	
240.040000	33.30	48.78	15.47	1000.0	120.000	500.0	9.9	
242.120000	30.30	48.66	18.35	1000.0	120.000	78.0	9.9	
263.080000	29.23	47.34	18.11	1000.0	120.000	12.0	10.3	
266.360000	28.31	47.14	18.83	1000.0	120.000	12.0	10.4	
268.200000	28.21	47.02	18.81	1000.0	120.000	12.0	10.5	
269.000000	28.69	46.97	18.28	1000.0	120.000	12.0	10.5	
284.960000	30.81	45.95	15.13	1000.0	120.000	12.0	10.0	
285.280000	27.12	45.93	18.80	1000.0	120.000	0.0	10.0	

Picture 20: Test result CISPR 14-1 rf disturbance power
Mode 1, AC power supply lines (220 V_{AC} / 60Hz) – QP final table



no final results!

*Picture 21: Test result CISPR 14-1 rf disturbance power
Mode 1, AC power supply lines (220 V_{AC} / 60 Hz) – AV final table*

Forschungsgesellschaft der FH Kärnten mbH
EMV- Mess- und -Prüflabor

Name: PVR
Test date: 28.05.2021
File name: HC0918
DUT: Mexico Juicer HR1832
Testplan Nr.: TP21G558
Manufacturer: Philips Klagenfurt
Operating modes: Mode 1: ON
Comment1: 230 VAC / 50 Hz
Comment2:
Comment3:
Comment4:

Maximum RMS current and corresponding values in timewindow 4:

Voltage: 230.26 Vrms THD=0.02 % THV=0.035 V POHV=0.013 V PWHD=0.04 %
Current: 0.869 Arms THD=15.25 % THC=0.131 A POHC=0.004 A PWHD=3.96 %
Power: 196.9 W P1=196.9 W 200.0 VA
Power factor: 0.984 CosPhi1: 0.996

Test conditions: EN IEC 61000-3-2:2019, f=50 Hz, Phase=L1, Range=4.00 A
Time window=10/12 (200ms), Grouping (>2nd harm.)=on
No Ztest selected
harmonic cur. < 0.6 % of I or < 5 mA are NOT DISREGARD for calc. of THD, THC, POHC, PWHD

HARMONIC ANALYSIS: Test PASS
Tobs = entire measurement; POHC: avg=0.00 A, limit=0.25 A
Iavg=0.841 Arms

Ha	Entire measurement (2.5 min = 750 time windows)							Worst 2.5 min		Average		P A S S	F A I L
	Maximum	Window	EN61000-3-2 Class A / Tab1	Margin in MaxWin	100 to 150%	150 to 200%	Ex- ceeded	100 to 150%	Ex- ceeded	Value	Ex- ceeded		
DC	-0.0089 A	364	-----	---	0	0	0	n.e.	n.e.	-0.0067 A	0	--	
1	0.8588 A	4	-----	---	0	0	0	n.e.	n.e.	0.8317 A	0	X	
2	0.0024 A	730	1.0800 A	-99.8 %	0	0	0	n.e.	n.e.	0.0017 A	0	X	
3	0.1297 A	1	2.3000 A	-94.4 %	0	0	0	n.e.	n.e.	0.1208 A	0	X	
4	0.0051 A	697	0.4300 A	-98.8 %	0	0	0	n.e.	n.e.	0.0032 A	0	X	
5	0.0156 A	27	1.1400 A	-98.6 %	0	0	0	n.e.	n.e.	0.0144 A	0	X	
6	0.0055 A	696	0.3000 A	-98.2 %	0	0	0	n.e.	n.e.	0.0033 A	0	X	
7	0.0063 A	1	0.7700 A	-99.2 %	0	0	0	n.e.	n.e.	0.0055 A	0	X	
8	0.0017 A	696	0.2300 A	-99.3 %	0	0	0	n.e.	n.e.	0.0014 A	0	X	
9	0.0048 A	729	0.4000 A	-98.8 %	0	0	0	n.e.	n.e.	0.0040 A	0	X	
10	0.0016 A	336	0.1840 A	-99.1 %	0	0	0	n.e.	n.e.	0.0013 A	0	X	
11	0.0065 A	748	0.3300 A	-98.0 %	0	0	0	n.e.	n.e.	0.0054 A	0	X	
12	0.0019 A	253	0.1533 A	-98.8 %	0	0	0	n.e.	n.e.	0.0014 A	0	X	
13	0.0026 A	668	0.2100 A	-98.8 %	0	0	0	n.e.	n.e.	0.0018 A	0	X	
14	0.0014 A	56	0.1314 A	-98.9 %	0	0	0	n.e.	n.e.	0.0012 A	0	X	
15	0.0015 A	468	0.1500 A	-99.0 %	0	0	0	n.e.	n.e.	0.0012 A	0	X	
16	0.0016 A	53	0.1150 A	-98.6 %	0	0	0	n.e.	n.e.	0.0012 A	0	X	
17	0.0018 A	463	0.1324 A	-98.6 %	0	0	0	n.e.	n.e.	0.0013 A	0	X	
18	0.0018 A	720	0.1022 A	-98.3 %	0	0	0	n.e.	n.e.	0.0015 A	0	X	
19	0.0012 A	459	0.1184 A	-98.9 %	0	0	0	n.e.	n.e.	0.0010 A	0	X	
20	0.0027 A	634	0.0920 A	-97.1 %	0	0	0	n.e.	n.e.	0.0018 A	0	X	
21	0.0016 A	6	0.1071 A	-98.5 %	0	0	0	n.e.	n.e.	0.0009 A	0	X	
22	0.0034 A	584	0.0836 A	-95.9 %	0	0	0	n.e.	n.e.	0.0025 A	0	X	
23	0.0013 A	9	0.0978 A	-98.6 %	0	0	0	n.e.	n.e.	0.0009 A	0	X	
24	0.0017 A	51	0.0767 A	-97.8 %	0	0	0	n.e.	n.e.	0.0015 A	0	X	
25	0.0012 A	749	0.0900 A	-98.7 %	0	0	0	n.e.	n.e.	0.0009 A	0	X	
26	0.0010 A	456	0.0708 A	-98.5 %	0	0	0	n.e.	n.e.	0.0008 A	0	X	
27	0.0015 A	742	0.0833 A	-98.2 %	0	0	0	n.e.	n.e.	0.0010 A	0	X	
28	0.0014 A	1	0.0657 A	-97.9 %	0	0	0	n.e.	n.e.	0.0011 A	0	X	
29	0.0009 A	431	0.0776 A	-98.8 %	0	0	0	n.e.	n.e.	0.0008 A	0	X	
30	0.0016 A	95	0.0613 A	-97.4 %	0	0	0	n.e.	n.e.	0.0012 A	0	X	
31	0.0009 A	376	0.0726 A	-98.7 %	0	0	0	n.e.	n.e.	0.0007 A	0	X	
32	0.0019 A	37	0.0575 A	-96.8 %	0	0	0	n.e.	n.e.	0.0011 A	0	X	
33	0.0009 A	373	0.0682 A	-98.6 %	0	0	0	n.e.	n.e.	0.0008 A	0	X	
34	0.0015 A	12	0.0541 A	-97.3 %	0	0	0	n.e.	n.e.	0.0012 A	0	X	
35	0.0020 A	35	0.0643 A	-96.9 %	0	0	0	n.e.	n.e.	0.0016 A	0	X	
36	0.0008 A	232	0.0511 A	-98.4 %	0	0	0	n.e.	n.e.	0.0007 A	0	X	
37	0.0023 A	7	0.0608 A	-96.3 %	0	0	0	n.e.	n.e.	0.0016 A	0	X	
38	0.0009 A	574	0.0484 A	-98.2 %	0	0	0	n.e.	n.e.	0.0007 A	0	X	
39	0.0012 A	1	0.0577 A	-98.0 %	0	0	0	n.e.	n.e.	0.0008 A	0	X	
40	0.0010 A	152	0.0460 A	-97.7 %	0	0	0	n.e.	n.e.	0.0008 A	0	X	

average value < 0.6 % of Iavg or < 5 mA n.e. = not evaluated

Picture 22: Test result IEC 61000-3-2, (230 V_{AC} / 50Hz)
harmonic currents – final table



accredited test laboratory no. 185
for electromagnetic compatibility
according directive 2014/30/EU



Forschungsgesellschaft der FH Kärnten mbH
EMV- Mess- und -Prüflabor

Name: PVR
Test date: 28.05.2021
File name: HC0919
DUT: Mexico Juicer HR1832
Testplan Nr.: TP21G558

Manufacturer: Philips Klagenfurt
Operating modes: Mode 1: ON
Comment1: 220 VAC / 60 Hz
Comment2:
Comment3:
Comment4:

Maximum RMS current and corresponding values in timewindow 98:

Voltage: 220.07 Vrms THD=0.01 % THV=0.028 V POHV=0.014 V PWHD=0.05 %
Current: 0.798 Arms THD=14.32 % THC=0.113 A POHC=0.003 A PWHD=4.49 %
Power: 172.8 W P1=172.8 W 175.7 VA
Power factor: 0.983 CosPhi1: 0.993

Test conditions: EN IEC 61000-3-2:2019, f=60 Hz, Phase=L1, Range=4.00 A
Time window=10/12 (200ms), Grouping (>2nd harm.)=on
No Ztest selected
harmonic cur. < 0.6 % of I or < 5 mA are NOT DISREGARD for calc. of THD, THC, POHC, PWHD

HARMONIC ANALYSIS: Test PASS
Tobs = entire measurement; POHC: avg=0.00 A, limit=0.25 A
Iavg=0.784 Arms

Ha	Entire measurement (2.5 min = 750 time windows)							Worst 2.5 min		Average		P A S S	F A I L
	Maximum	Window	EN61000-3-2 Class A / Tab1	Margin in MaxWin	100 to 150%	150 to 200%	Ex- ceeded	100 to 150%	Ex- ceeded	Value	Ex- ceeded		
DC	-0.0086 A	1	-----	-----	0	0	0	n.e.	n.e.	-0.0063 A	0	--	
1	0.7904 A	98	-----	-----	0	0	0	n.e.	n.e.	0.7764 A	0	X	
2	0.0020 A	739	1.0800 A	-99.8 %	0	0	0	n.e.	n.e.	0.0017 A	0	X	
3	0.1115 A	90	2.3000 A	-95.2 %	0	0	0	n.e.	n.e.	0.1079 A	0	X	
4	0.0021 A	748	0.4300 A	-99.5 %	0	0	0	n.e.	n.e.	0.0018 A	0	X	
5	0.0162 A	122	1.1400 A	-98.6 %	0	0	0	n.e.	n.e.	0.0158 A	0	X	
6	0.0018 A	747	0.3000 A	-99.4 %	0	0	0	n.e.	n.e.	0.0015 A	0	X	
7	0.0058 A	160	0.7700 A	-99.2 %	0	0	0	n.e.	n.e.	0.0051 A	0	X	
8	0.0019 A	737	0.2300 A	-99.2 %	0	0	0	n.e.	n.e.	0.0016 A	0	X	
9	0.0062 A	151	0.4000 A	-98.4 %	0	0	0	n.e.	n.e.	0.0053 A	0	X	
10	0.0026 A	57	0.1840 A	-98.6 %	0	0	0	n.e.	n.e.	0.0018 A	0	X	
11	0.0020 A	421	0.3300 A	-99.4 %	0	0	0	n.e.	n.e.	0.0017 A	0	X	
12	0.0021 A	750	0.1533 A	-98.6 %	0	0	0	n.e.	n.e.	0.0018 A	0	X	
13	0.0015 A	159	0.2100 A	-99.3 %	0	0	0	n.e.	n.e.	0.0013 A	0	X	
14	0.0028 A	750	0.1314 A	-97.9 %	0	0	0	n.e.	n.e.	0.0020 A	0	X	
15	0.0014 A	440	0.1500 A	-99.1 %	0	0	0	n.e.	n.e.	0.0012 A	0	X	
16	0.0024 A	684	0.1150 A	-98.0 %	0	0	0	n.e.	n.e.	0.0017 A	0	X	
17	0.0012 A	1	0.1324 A	-99.1 %	0	0	0	n.e.	n.e.	0.0010 A	0	X	
18	0.0034 A	425	0.1022 A	-96.7 %	0	0	0	n.e.	n.e.	0.0028 A	0	X	
19	0.0011 A	1	0.1184 A	-99.0 %	0	0	0	n.e.	n.e.	0.0010 A	0	X	
20	0.0021 A	437	0.0920 A	-97.7 %	0	0	0	n.e.	n.e.	0.0018 A	0	X	
21	0.0011 A	203	0.1071 A	-99.0 %	0	0	0	n.e.	n.e.	0.0009 A	0	X	
22	0.0020 A	736	0.0836 A	-97.6 %	0	0	0	n.e.	n.e.	0.0015 A	0	X	
23	0.0010 A	255	0.0978 A	-99.0 %	0	0	0	n.e.	n.e.	0.0008 A	0	X	
24	0.0019 A	276	0.0767 A	-97.5 %	0	0	0	n.e.	n.e.	0.0015 A	0	X	
25	0.0011 A	185	0.0900 A	-98.8 %	0	0	0	n.e.	n.e.	0.0008 A	0	X	
26	0.0024 A	129	0.0708 A	-96.6 %	0	0	0	n.e.	n.e.	0.0016 A	0	X	
27	0.0010 A	120	0.0833 A	-98.8 %	0	0	0	n.e.	n.e.	0.0008 A	0	X	
28	0.0028 A	122	0.0657 A	-95.7 %	0	0	0	n.e.	n.e.	0.0023 A	0	X	
29	0.0023 A	58	0.0776 A	-97.1 %	0	0	0	n.e.	n.e.	0.0010 A	0	X	
30	0.0030 A	156	0.0613 A	-95.1 %	0	0	0	n.e.	n.e.	0.0020 A	0	X	
31	0.0021 A	56	0.0726 A	-97.1 %	0	0	0	n.e.	n.e.	0.0009 A	0	X	
32	0.0013 A	86	0.0575 A	-97.7 %	0	0	0	n.e.	n.e.	0.0009 A	0	X	
33	0.0013 A	1	0.0682 A	-98.1 %	0	0	0	n.e.	n.e.	0.0008 A	0	X	
34	0.0016 A	113	0.0541 A	-97.1 %	0	0	0	n.e.	n.e.	0.0010 A	0	X	
35	0.0016 A	1	0.0643 A	-97.5 %	0	0	0	n.e.	n.e.	0.0011 A	0	X	
36	0.0011 A	97	0.0511 A	-97.9 %	0	0	0	n.e.	n.e.	0.0007 A	0	X	
37	0.0023 A	395	0.0608 A	-96.2 %	0	0	0	n.e.	n.e.	0.0015 A	0	X	
38	0.0011 A	98	0.0484 A	-97.6 %	0	0	0	n.e.	n.e.	0.0007 A	0	X	
39	0.0023 A	393	0.0577 A	-96.1 %	0	0	0	n.e.	n.e.	0.0017 A	0	X	
40	0.0007 A	586	0.0460 A	-98.5 %	0	0	0	n.e.	n.e.	0.0006 A	0	X	

average value < 0.6 % of Iavg or < 5 mA n.e. = not evaluated

Picture 23: Test result IEC 61000-3-2, (220 V_{AC} / 60Hz)
harmonic currents – final table



accredited test laboratory no. 185
for electromagnetic compatibility
according directive 2014/30/EU



Forschungsgesellschaft der FH Kärnten mbH
EMV- Mess- und -Prüflabor

Name: PVR Manufacturer: Philips Klagenfurt
Test date: 28.05.2021 Operating modes: Mode 1: ON
File name: FL0566 Comment1: 230 VAC / 50 Hz
DUT: Mexico Juicer HR1832 Comment2:
Testplan Nr.: TP21G558 Comment3:
Comment4:

Test conditions: EN 61000-3-3:2013 + A1:2019 / 230 V / 50 Hz / Phase L1
EN 61000-4-15:2011 / d(t) = 3.3 % / Obs 24 x 1 min / Ztest (0.400+j0.250) Ohm
Ra+jXa (0.2400+j0.1500) Ohm / Rn+jXn (0.1600+j0.1000) Ohm

FLICKER: Test PASS!

Time	Pmax	Pst	Sliding Plt	Tmax [s]	dmax [%]	dc [%]	PASS	FAIL
09:38:32	3.311	0.3810	- . - - -	0.000	+0.970	+0.270	X	
09:39:32	3.390	0.3860	- . - - -	0.000	+1.000	+0.220	X	
09:40:32	3.246	0.3790	- . - - -	0.000	+0.980	+0.280	X	
09:41:32	3.278	0.3800	- . - - -	0.000	+0.980	+0.280	X	
09:42:32	3.262	0.3790	- . - - -	0.000	+0.980	+0.270	X	
09:43:32	3.103	0.3710	0.3794	0.000	+0.960	+0.260	X	
09:44:32	3.061	0.3860	0.3802	0.000	+0.950	+0.260	X	
09:45:32	3.059	0.3730	0.3781	0.000	+0.950	+0.260	X	
09:46:32	3.068	0.3690	0.3764	0.000	+0.960	+0.230	X	
09:47:32	2.942	0.3630	0.3736	0.000	+0.950	+0.260	X	
09:48:32	3.015	0.3690	0.3720	0.000	+0.930	+0.270	X	
09:49:32	3.008	0.3660	0.3711	0.000	+0.940	+0.220	X	
09:50:32	2.970	0.3860	0.3711	0.000	+0.940	+0.250	X	
09:51:32	2.988	0.3660	0.3700	0.000	+0.950	+0.270	X	
09:52:32	2.981	0.3650	0.3693	0.000	+0.920	+0.270	X	
09:53:32	2.946	0.3630	0.3693	0.000	+0.920	+0.250	X	
09:54:32	2.854	0.3590	0.3677	0.000	+0.920	+0.230	X	
09:55:32	2.907	0.3620	0.3670	0.000	+0.910	+0.250	X	
09:56:32	2.880	0.3600	0.3625	0.000	+0.910	+0.240	X	
09:57:32	2.871	0.3590	0.3613	0.000	+0.920	+0.240	X	
09:58:32	2.848	0.3580	0.3602	0.000	+0.920	+0.240	X	
09:59:32	9.435	0.6520	0.4396	0.010	+0.940	+0.250	X	
10:00:32	2.878	0.3590	0.4396	0.000	+0.910	+0.260	X	
10:01:32	2.852	0.3590	0.4393	0.000	+0.910	+0.260	X	
Limits:		1.000	0.650	0.500	7.000	3.300		
Plt: 0.391451								
Evaluated: dc, Tmaxdmax average (0.941 %)								

Picture 24: Test result IEC 61000-3-3, (230 V_{AC} / 50Hz)
manual switching results – final table



Philips Domestic Appliances

Safety, Compliance and Regulatory

To whom it concerns

Identity Declaration

We herewith declare that the

Juice Extractor (Mexico)

with type number(s)
HR1833, HR1837

for which we apply for the licence to use your mark of conformity is identical in all aspects (e.g. design, construction, properties, components) to the tested specimen for which the EMC-test-certificate

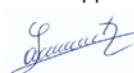
Nr. **PB21G558**

was established by the accredited test laboratory:

Forschungsgesellschaft der FH Kärnten mbH
EMV – Mess und Prüflabor
Warmbaderstrasse 5, A-9500 Villach

Klagenfurt, 2021-08-02

Legally binding signature
of the applicant or delegate.



Digitally signed by
Mario Janschitz
Date: 2021.08.02
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Philips Domestic Appliances



Picture 25: Annex A: Product identity declaration; HR1833, HR1837

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