

EMC TEST REPORT	
Title 47 CFR Part 15B, ISED ICES-003 Issue 7	
Report Reference No	G0M-2203-1368-EF0115B-V01
Testing Laboratory	Eurofins Product Service GmbH
Address	Storkower Str. 38c 15526 Reichenwalde Germany
Accreditation	    A2LA - Registration number: 1983.01 (ISED) ISED wireless device testing laboratory: CN 3470A DAkkS - Registration number : D-PL-12092-01-04 (FCC) FCC Filed Test Laboratory, Reg.-No.: 96970
Applicant	Alator AG
Address	Bundesplatz 9 6302 Zug Switzerland
Test Specification Standard(s)	Title 47 CFR Part 15 Subpart B ISED ICES-Gen Issue 1 ; Amendment 1 (February 2021) ISED ICES-003 Issue 7 ANSI C63.4:2014+A1:2017
Non-Standard Test Method	None
Equipment under Test (EUT):	
Product Description	Food Processor
Model(s)	Pacojet 4JAW
Additional Model(s)	None
Brand Name(s)	Pacojet 4
Hardware Version(s)	0S
Software Version(s)	Module: ESP32-S2_RF_TEST_V200_40M_20200714 Main Application: 6.0
FCC-ID	2A7QD-PJ4V00
IC	28742-PJ4V00
Test Result	PASSED

Possible test case verdicts:		
required by standard but not tested	N/T	
not required by standard	N/R	
required by standard but not appl. to test object	N/A	
test object does meet the requirement	P(PASS)	
test object does not meet the requirement	F(FAIL)	
Testing:		
Date of receipt of test item	2022-06-29	
Report:		
Compiled by	Stephan Liebich	
Tested by (+ signature) (Responsible for Test)	Stefan Dose	
Approved by (+ signature) (Deputy Head of Lab)	Jens Marquardt	
Date of Issue	2022-08-29	
Total number of pages	42	
General Remarks:		
The test results presented in this report relate only to the object tested. The results contained in this report reflect the results for this particular model and serial number. It is the responsibility of the manufacturer to ensure that all production models meet the intent of the requirements detailed within this report. This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.		
Additional Comments:		
Additional variants have been declared by the manufacturer. The listed models were not tested, evaluated or assessed in no way.		
Additional Model 1	Product Type Description	Food Processor
	Model Name	Pacojet 4BAW
	Brand Name (optional)	Pacojet 4
	Hardware Version	PJ4V0
	Software Version	6.0
Additional Model 2	Product Type Description	Food Processor
	Model Name	Pacojet 4PAW
	Brand Name (optional)	Pacojet 4
	Hardware Version	PJ4V0
	Software Version	6.0

Test Report No.: GOM-2203-1368-EF0115B-V01

Eurofins Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

ABBREVIATIONS AND ACRONYMS

Acronyms	
Acronym	Description
EUT	Equipment Under Test
FCC	Federal Communications Commission
ISED	Innovation, Science and Economic Development Canada
T _{NOM}	Nominal operating temperature
V _{NOM}	Nominal supply voltage

VERSION HISTORY

Version History			
Version	Issue Date	Remarks	Revised By
01	2022-08-29	Initial Release	-

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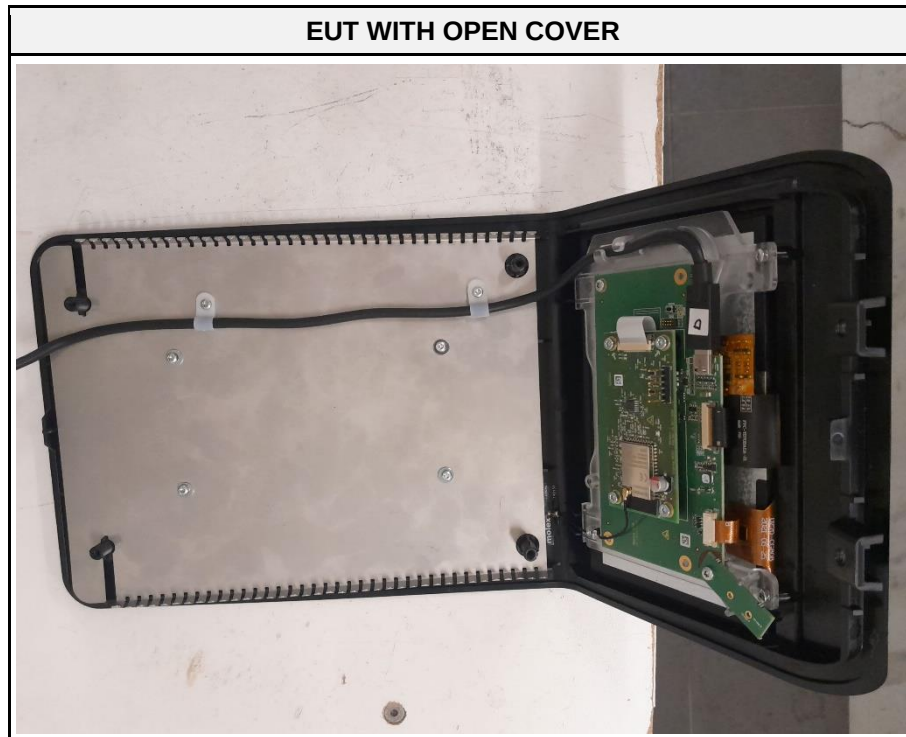
1 Equipment (Test Item) Under Test

Description	Food Processor		
Intended Use	EUT pacotises, minces, purees or whips various masses		
Model	Pacojet 4JAW		
Additional Model(s)	None		
Brand Name(s)	Pacojet 4		
Hardware Version(s)	0S		
Software Version(s)	Module: ESP32-S2_RF_TEST_V200_40M_20200714 Main Application: 6.0		
Number of tested samples	1		
Sample Identification	EUT #	Sample-ID	Serial Number
	EUT 1	40368	220100140011
EUT Dimensions [cm]	49.7 x 20.7 x 36.5		
FCC-ID	2A7QD-PJ4V00		
IC	28742-PJ4V00		
Class	Class B		
Equipment type	Table top		
Highest internal frequency [MHz]	2483		
Protective Earth	Yes (realized via PE)		
Radio Module	Type	IEEE 802.11 bgn radio module	
	Model	ESP32-S2-WROOM-I	
	Manufacturer	Espressif	
	FCC-ID	AC7Z-ESP32S2WROOM	
	IC	none	
Supply Voltage	V _{NOM}	120 V AC / 60 Hz	
AC/DC-Adaptor	None		
Manufacturer	Noventa AG Sonnenstrasse 1 9444 Diepoldsau Switzerland		

1.1 Equipment Ports

Name	Type	Attributes	Comment
Power	AC	Count: 1 Cable length [m]: 2.5 Direction: IN Service only: No Shielded: No	-
USB	IO	Count: 1 Cable length [m]: 0 Direction: IO Service only: Yes Shielded: Yes	internally installed (not tested)
Description:			
AC	AC mains power input/output port		
DC	DC power input/output port		
BAT	DC power input port connected to external battery		
IO	Input/Output port		
TP	Telecommunication port		
NE	Non-electrical port		

1.2 Equipment Photos - Internal



EUT WITHOUT MAIN PCB TOP SIDE



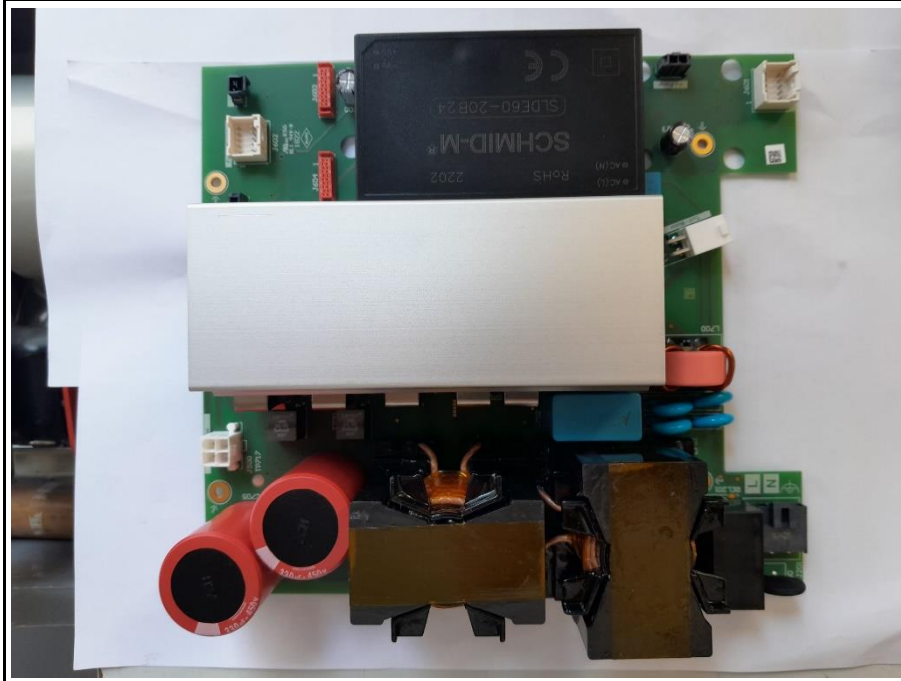
EUT WITHOUT COVER FRONT SIDE



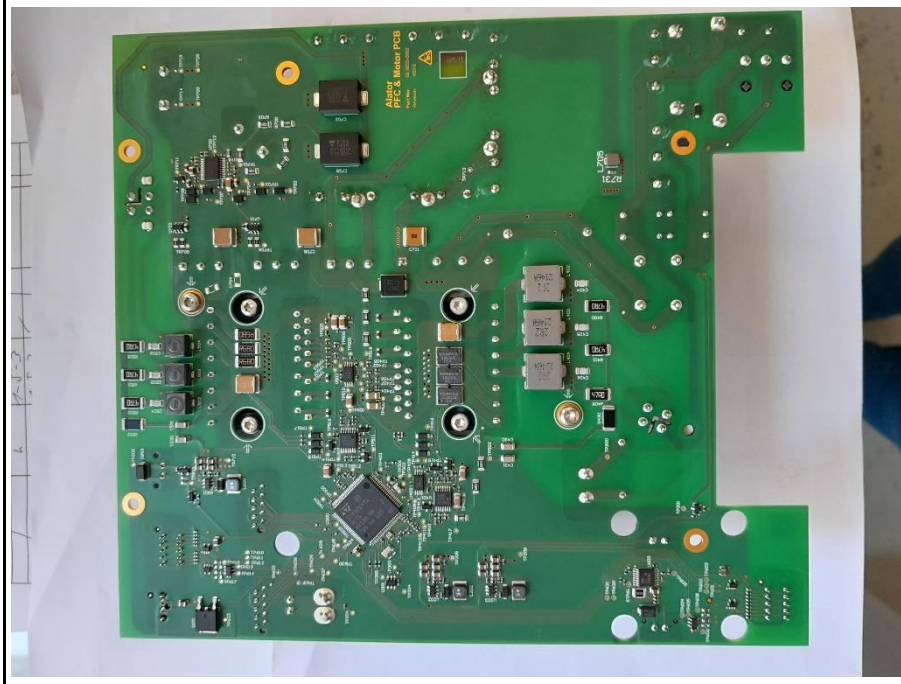
EUT WITHOUT COVER REAR SIDE



EUT MAIN PCB TOP SIDE



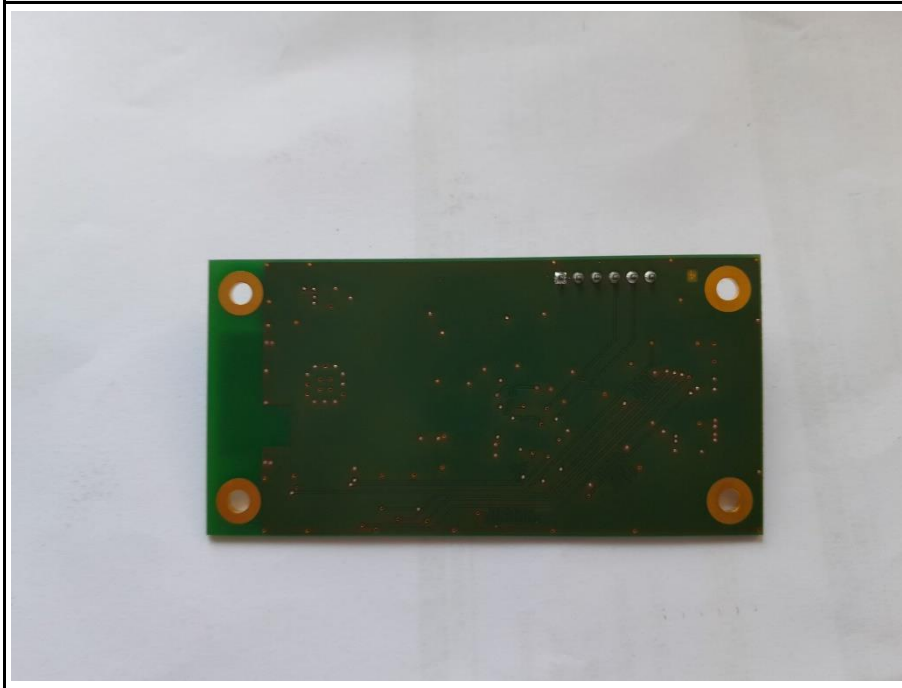
EUT MAIN PCB BOTTOM SIDE



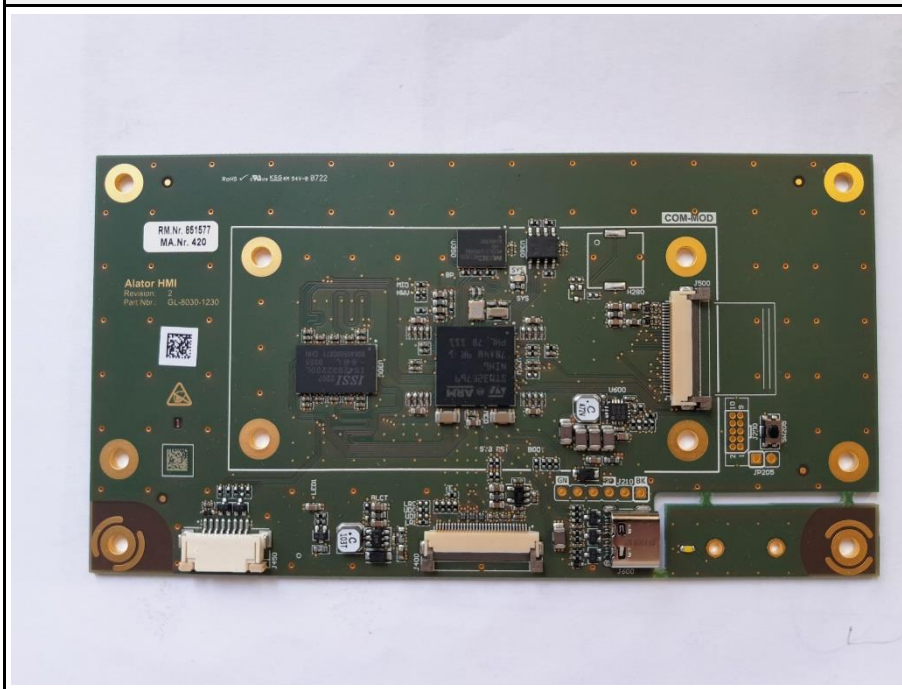
EUT CONNECTIVITY PCB TOP SIDE



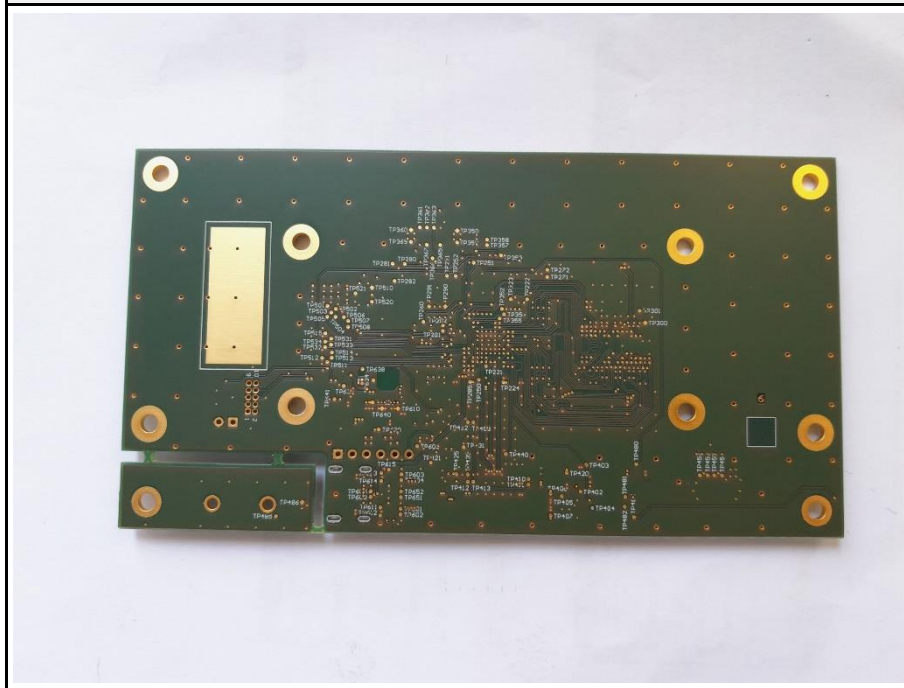
EUT CONNECTIVITY PCB BOTTOM SIDE



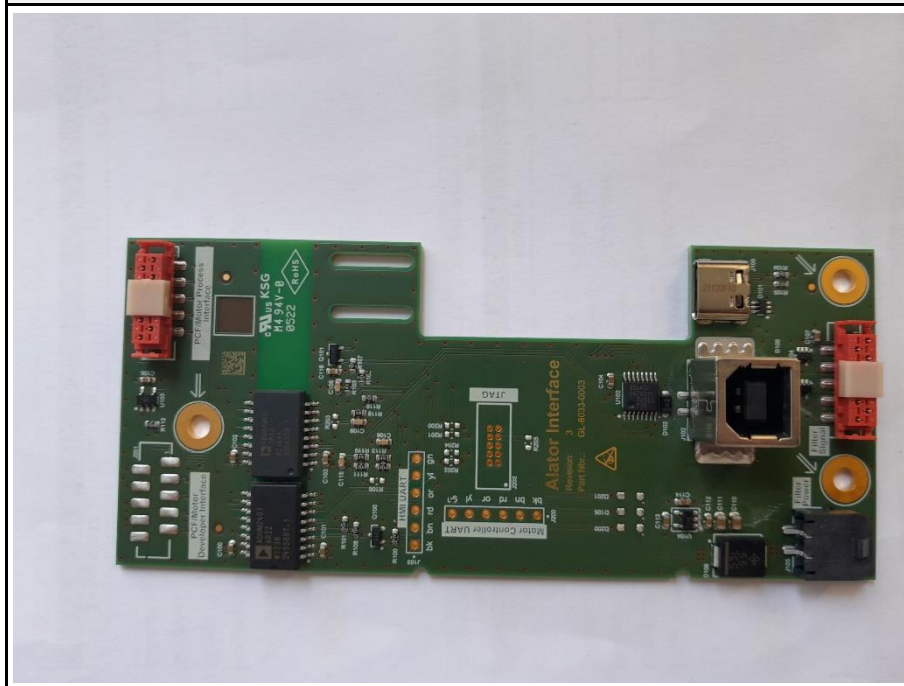
EUT DISPLAY PCB TOP SIDE



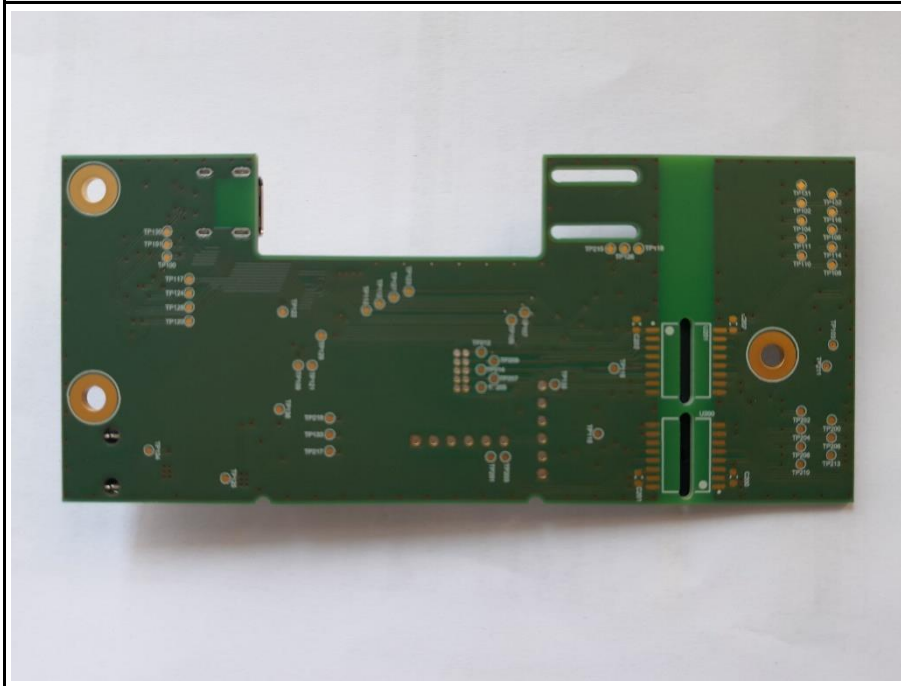
EUT DISPLAY PCB BOTTOM SIDE



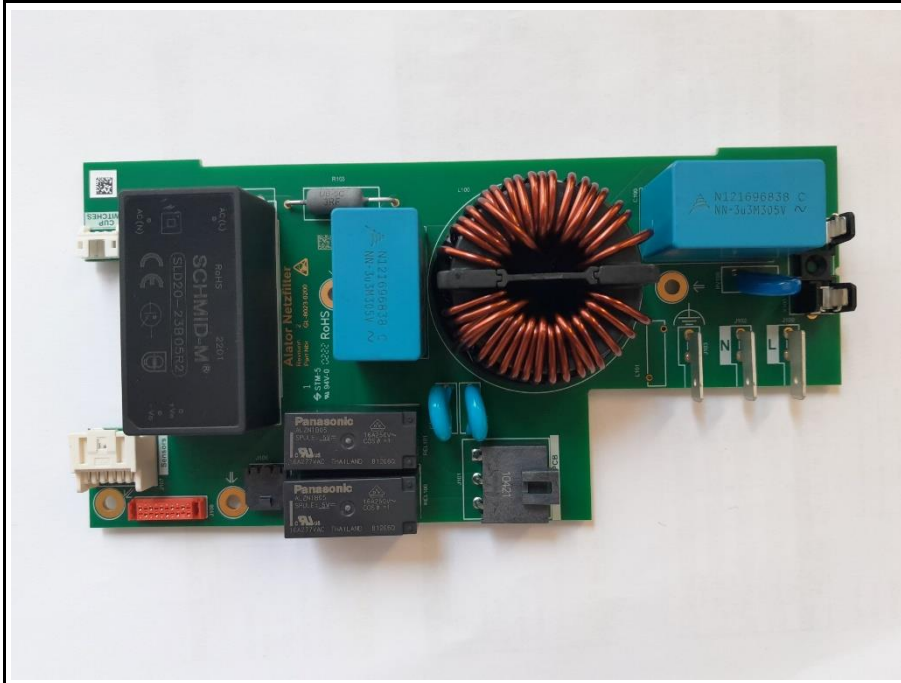
EUT INTERFACE PCB TOP SIDE



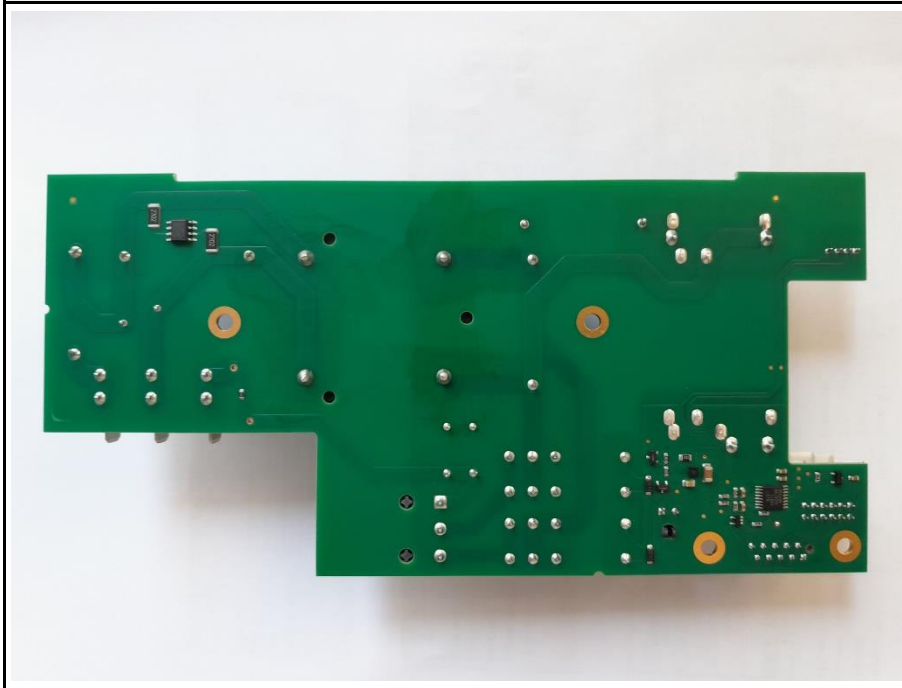
EUT INTERFACE PCB BOTTOM SIDE



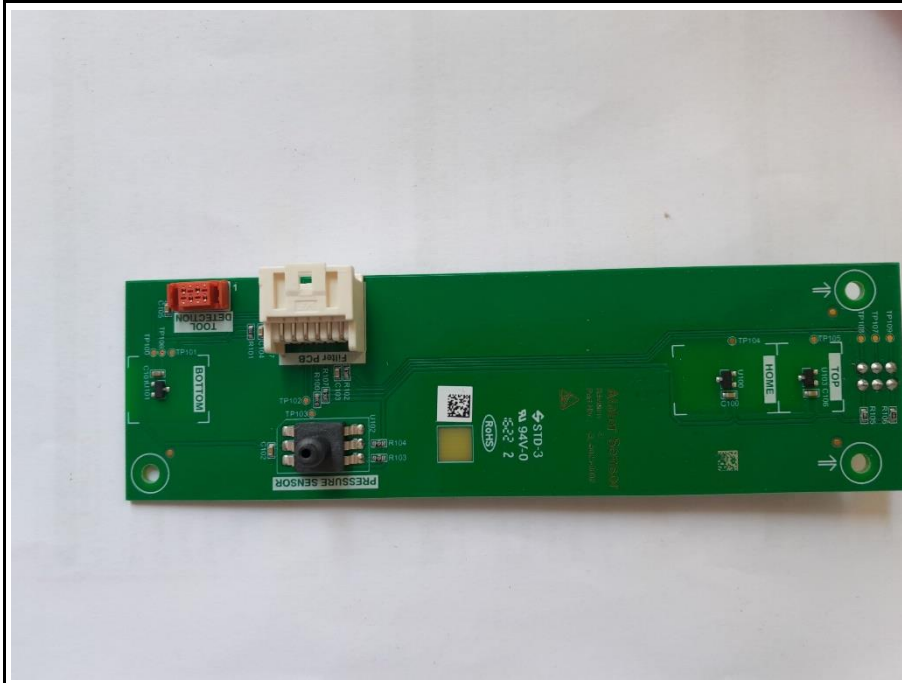
EUT LINE FILTER PCB TOP SIDE



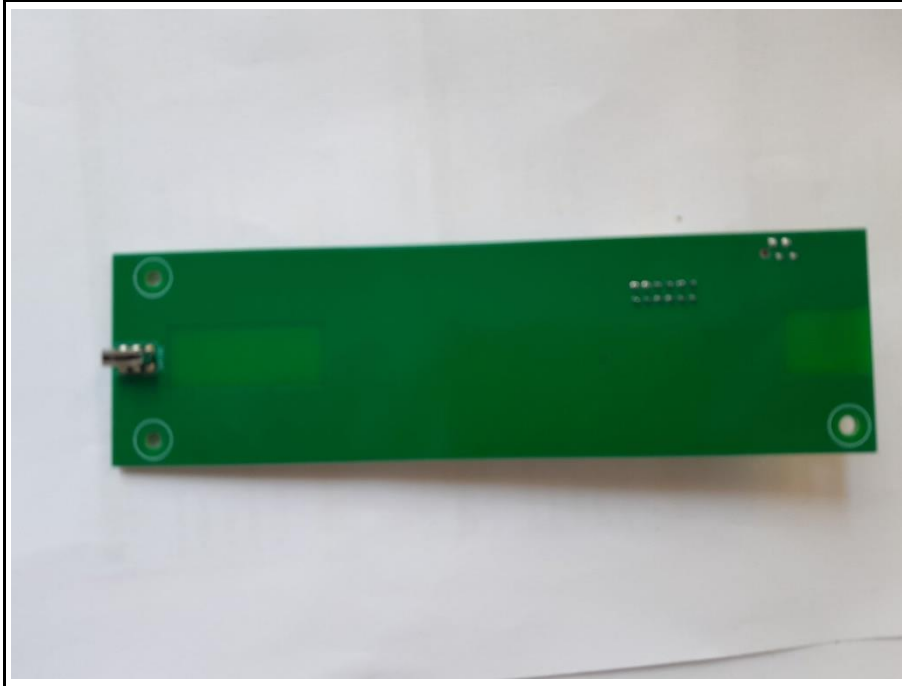
EUT LINE FILTER PCB BOTTOM SIDE



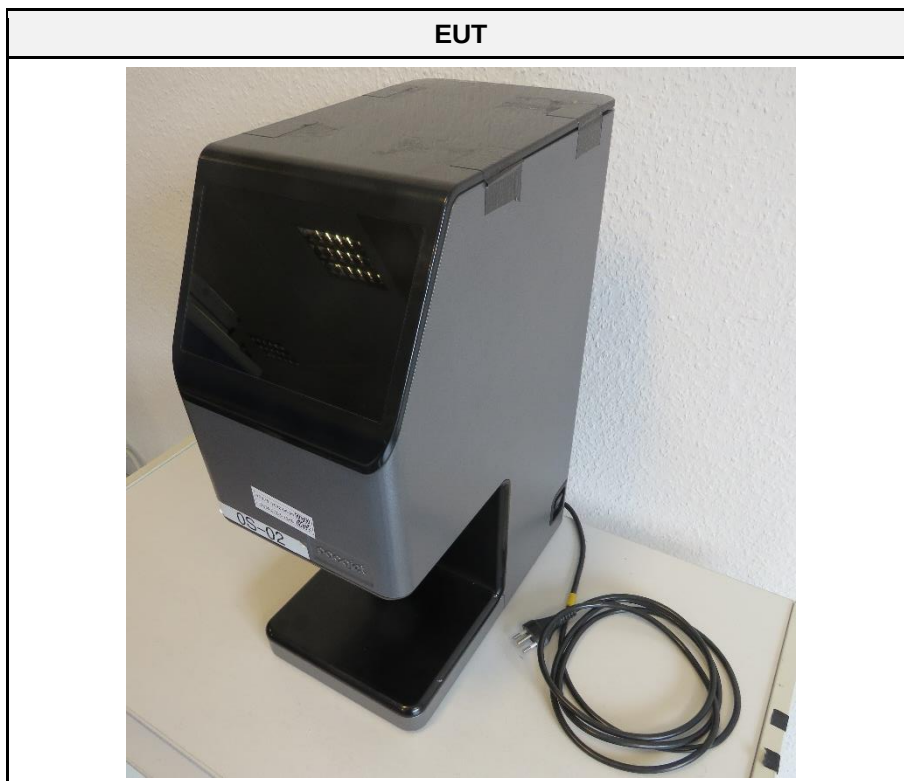
EUT SENSOR PCB TOP SIDE



EUT SENSOR PCB BOTTOM SIDE



1.3 Equipment Photos - External



EUT RIGHT SIDE



EUT LEFT SIDE



EUT BACK



EUT LABEL

100-127 V 50-60 Hz 1500 W
Pacojet 4BxW
S/N: 220100140011

Alator AG
6302 Zug, Switzerland

IP21 Swiss designed
Commercial and Household Use



Read instructions
before using
Reg.Code: 1000
HW ID: PJ4V0



FCC ID: 2A7QD-PJ4V00
IC: 28742-PJ4V00



R 202-SMK033

1.4 Support Equipment

Product Type	Device	Manufacturer	Model	Comment
AE	WLAN Router	TP-Link	TL-WA901ND	-
AE	Notebook	Lenovo	T450	-
AE	Travel adapter	ELOVO	unspecified	EU protective contact plug to various mains plugs
Description:				
AE	Auxiliary Equipment			
SIM	Simulator			
MON	Monitoring Equipment			
CBL	Connecting Cable			
Comment:				

1.5 Operational Modes

Mode #	Description
1	Processing special EMC cut mode "Zerti" without mass in bake (highest emission). EUT 2.4 GHz WLAN is on and connected to the WLAN network provided by the router. A continuous ping command (32 bytes/s) is sent to the IP address of the EUT via the notebook, which is also connected to the router with a network cable.
Comment:	

1.6 EUT Configuration

Configuration #	Description
1	The EUT is supplied with mains voltage via a programmable AC source. EUT is connected with WLAN Router via 2.4 GHz WLAN connection.
Comment:	

1.7 Sample emission level calculation

The following is a description of terms and a sample calculation, as appears in the radiated emissions data table. The numbers used in the calculation are for example only. There is no direct correlation to the specific data taken for the product described in this document:

Reading:

This is the reading obtained on the spectrum analyser in dBµV. Any external preamplifiers used are taken into account through internal analyser settings.

A.F.:

This is the antenna factor for the receiving antenna. It is a conversion factor, which converts electric fields strengths to voltages, which can be measured directly on the spectrum analyser. It is treated as a loss in dB. Cable losses have been included with the A.F. to simplify the calculations. The antenna factor is used in calculations as follows:

$$\text{Reading on Analyser (dB}\mu\text{V)} + \text{A.F. (dB/m)} = \text{Net field strength (dB}\mu\text{V/m)}$$

Net:

This is the net field strength measurement (as shown above).

Limit:

This is the FCC Class B radiated emission limit (in units of dBµV/m). The FCC limits are given in units of µV/m. The following formula is used to convert the units of µV/m to dBµV/m:

$$\text{Limit (dB}\mu\text{V/m)} = 20 \cdot \log(\mu\text{V/m})$$

Margin:

This is the margin of compliance below the FCC limit. The units are given in dB. A negative margin indicates the emission was below the limit. A positive margin indicates that the emission exceeds the limit.

Example only:

Reading + AF	= Net Reading	:	Net reading - FCC limit	= Margin
+21.5 dBµV + 26 dB/m	= 47.5 dBµV/m	:	47.5 dBµV/m - 57.0 dBµV/m	= -9.5 dB

2 Result Summary

Title 47 CFR Part 15B, ISED ICES-003 Issue 7				
Reference	Requirement	Reference Method	Result	Remarks
Emission				
FCC 15.109 ICES-003, 3.2.2	Radiated emissions	ANSI C63.4:2014 +A1:2017	PASS	-
FCC 15.107 ICES-003, 3.2.1	AC power line conducted emissions	ANSI C63.4:2014 +A1:2017	PASS	-
Comment:				

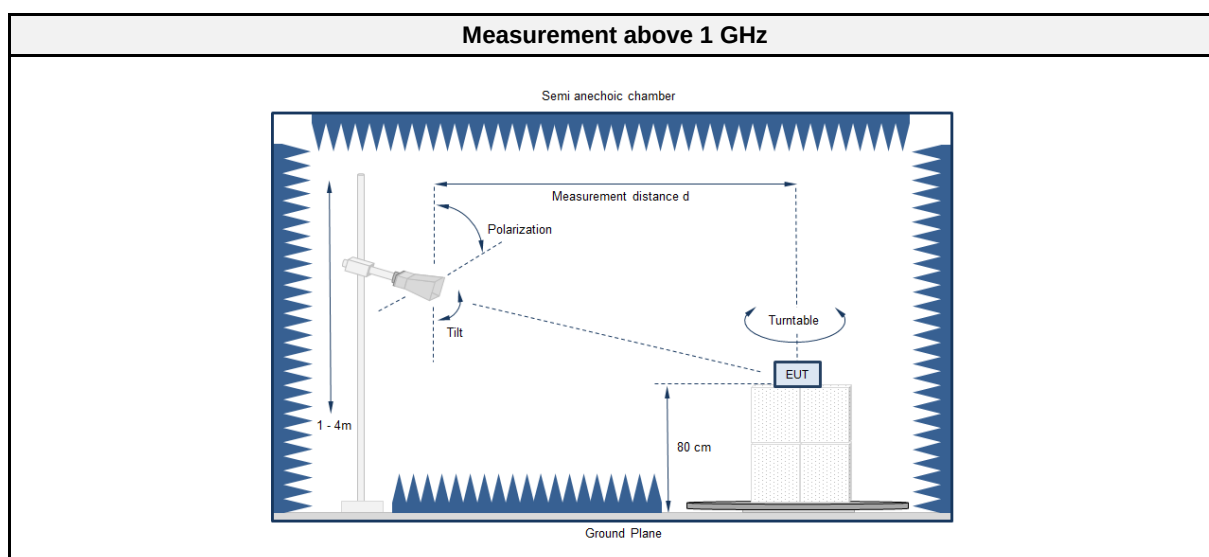
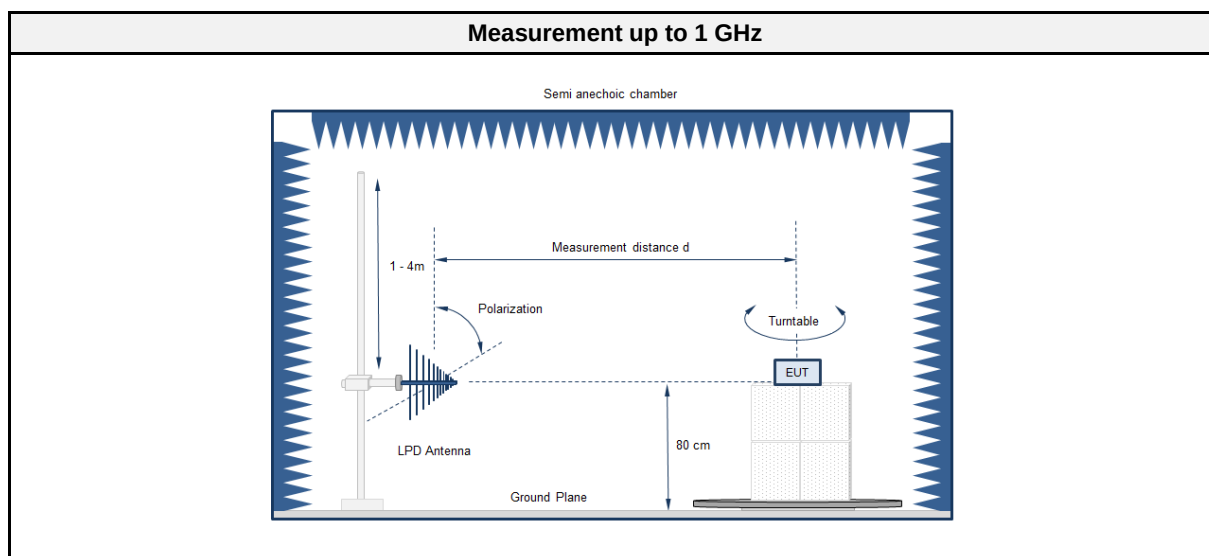
Possible Test Case Verdicts	
PASS	Test object does meet the requirements
FAIL	Test object does not meet the requirements
N/T	Required by standard but not tested
N/R	Not required by standard for the test object

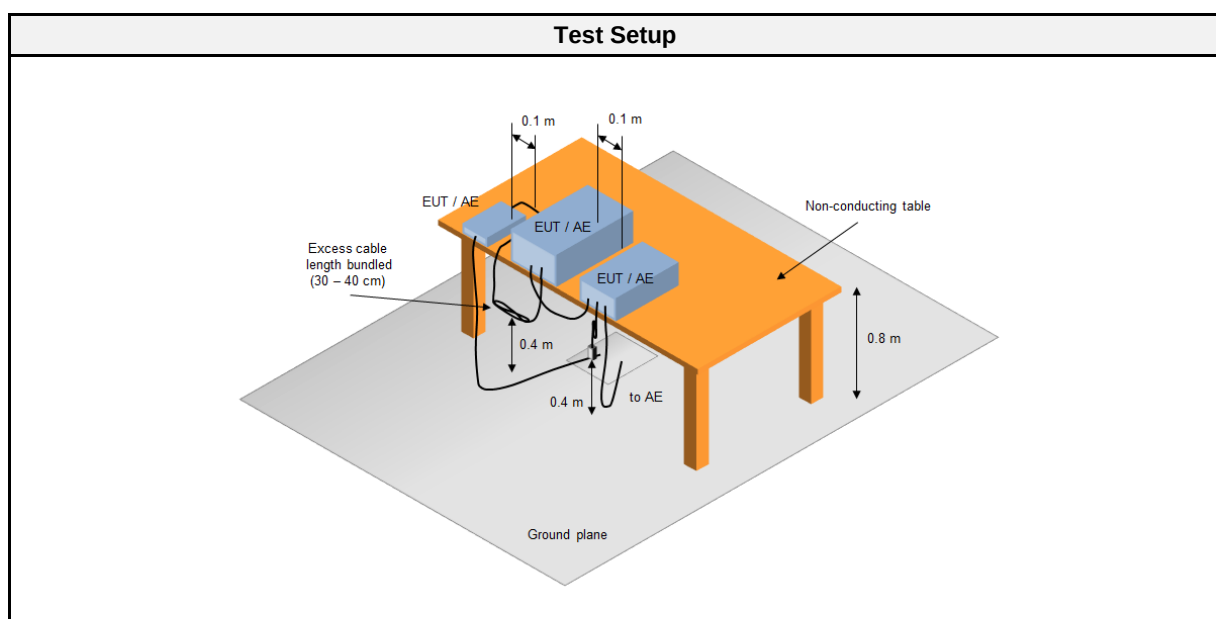
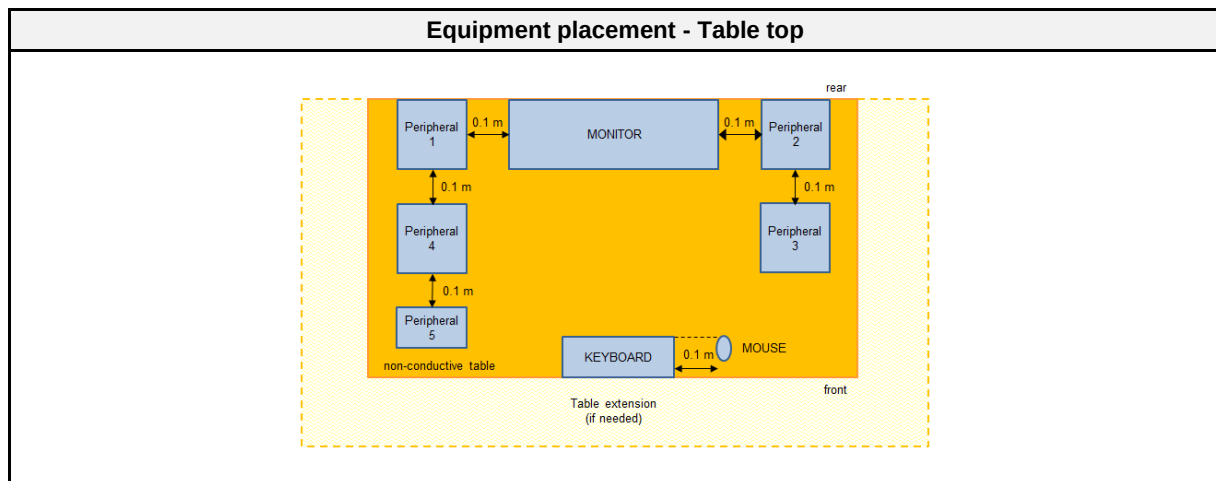
2.1 Test Conditions and Results - Radiated emissions acc. to ANSI C63.4

2.1.1 Information

Test Information	
Reference	FCC 15.109, ICES-003, 3.2.2
Reference method	ANSI C63.4:2014+A1:2017 Section 8
Equipment class	Class B
Equipment type	Table top
Highest internal frequency [MHz]	2483
Measurement range	30 MHz to 15000 MHz
Temperature [°C]	20 ±3
Humidity [%]	50 ±10
Operator	Stefan Dose
Date	2022-07-06

2.1.2 Setup





2.1.3 Equipment

Test Software			
Description	Manufacturer	Name	Version
EMC Software	DARE Instruments	Radimation	2020.1.8

Test Equipment					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Anechoic chamber (NSA)	Frankonia	AC1	EF00062	2021-02	2024-02
Anechoic chamber (SVSWR)	Frankonia	AC 1	EF01011	2022-06	2025-06
Programmable AC Source	Chroma ATE Inc.	61604	EF01068	2021-07	2022-07
EMI Test Receiver	Keysight	N9038A-526/WXP	EF01070	2021-07	2022-07
Biconical Antenna	R&S	HK 116	EF00030	2021-05	2024-05
LPD Antenna	R&S	HL 223	EF00187	2022-06	2025-06
Horn Antenna	Schwarzbeck	BBHA9120D	EF00018	2019-10	2022-10
Climatic Sensor	Embedded Data Systems, LLC.	2800100000254 17E	EF01054	2022-04	2023-04

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Eurofins Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

2.1.4 Procedure

Exploratory measurement	
1.	The EUT was placed on a non-conductive table at a height of 0.8m.
2.	The EUT and support equipment, if needed, were set up to simulate typical usage.
3.	Cables, of type and length specified by the manufacturer, were connected to at least one port of each type and were terminated by a device or simulating load of actual usage.
4.	The antenna was placed at a distance of 3 or 10 m.
5.	The received signal was monitored at the measurement receiver.
6.	This procedure has to be performed in both antenna polarizations, horizontal and vertical.
7.	The arrangement of the equipment with the maximum emission level is shown on the setup picture at item 2.1.2

Final measurement	
1.	The EUT was placed on a 0.8 m non-conductive table at a 3 m distance from the receive antenna. The antenna output was connected to the measurement receiver.
2.	A biconical antenna was used for the frequency range 30 – 200 MHz, a logarithmic periodical antenna was used for the frequency range from 200 – 1000 MHz. Above one 1 GHz a Double Ridged Broadband Horn antenna was used. The antenna was placed on an adjustable height antenna mast.
3.	The EUT and cable arrangement were based on the exploratory measurement results.
4.	Emissions were maximized at each frequency by rotating the EUT and adjusting the receive antenna height and polarization. The maximum values were recorded.
5.	The test data of the worst-case conditions were recorded and shown on the next pages.

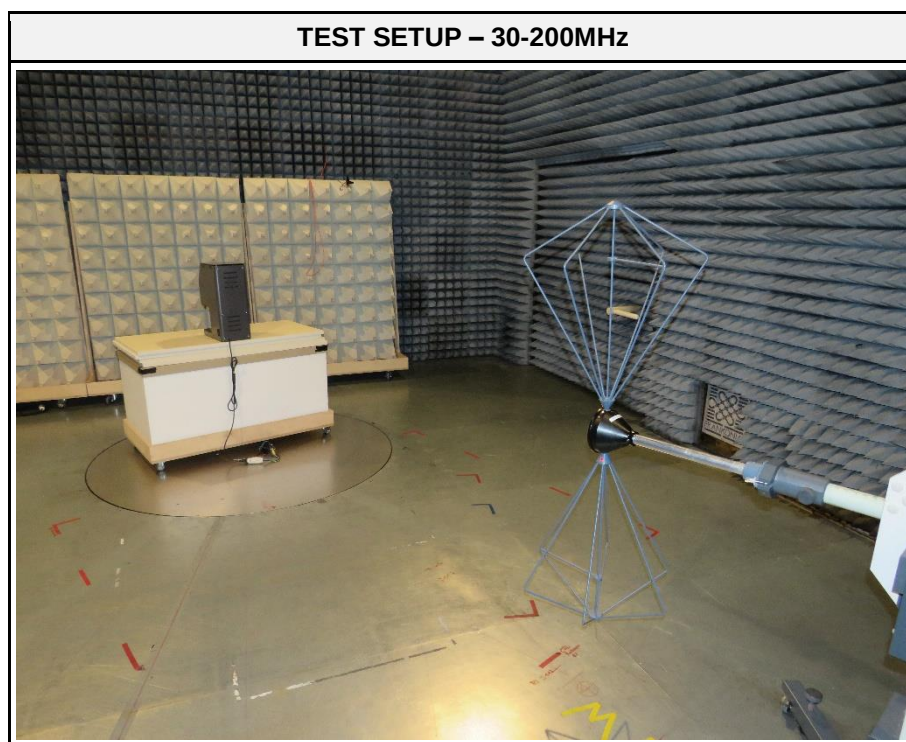
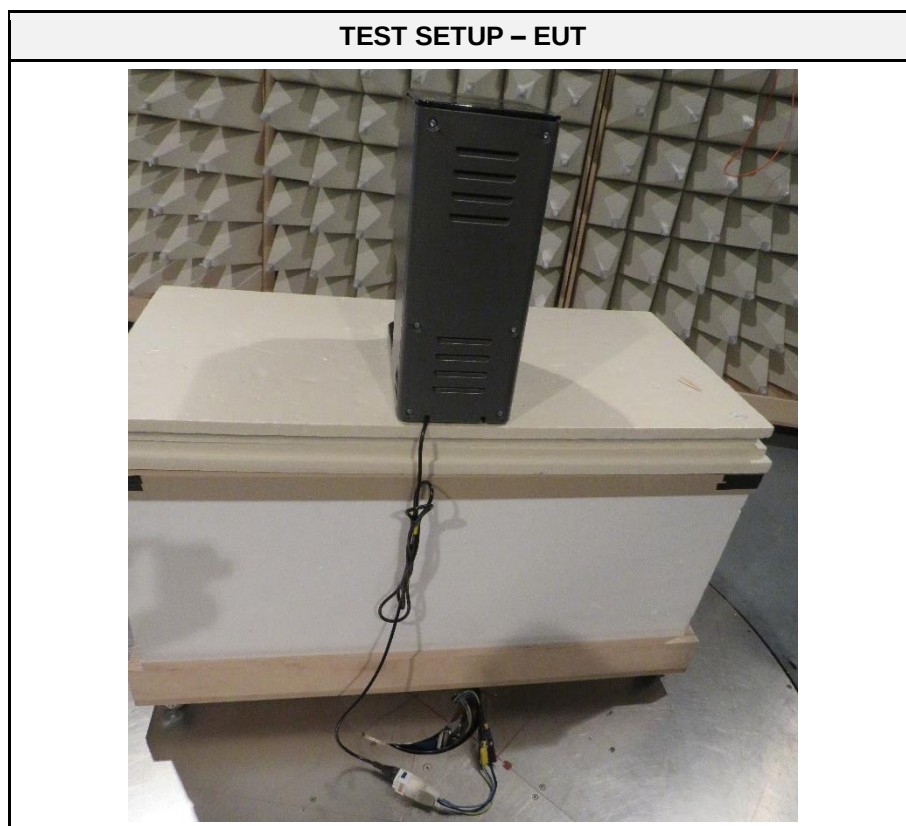
2.1.5 Limits

Class B @ 3 m		
Frequency [MHz]	Detector	Limit [dB μ V/m]
30 - 88	Quasi-peak	40
88 - 216	Quasi-peak	43.5
216 - 960	Quasi-peak	46
960 - 1000	Quasi-peak	54
> 1000	Peak	74
	Average	54

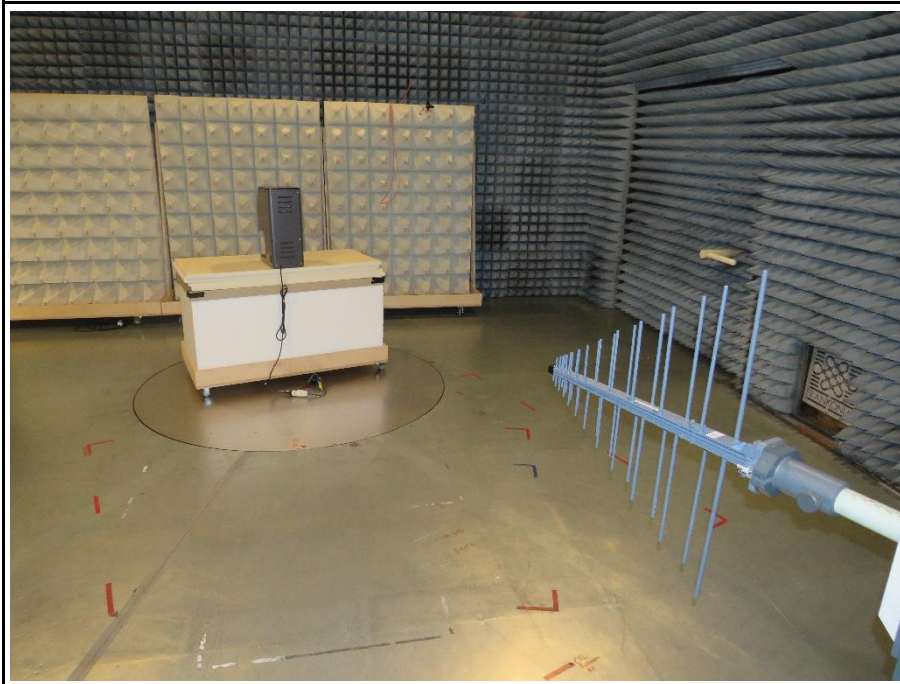
2.1.6 Results

Test Results			
Operational mode	EUT Configuration	Verdict	Remark
1	1	PASS	120 V AC / 60 Hz

2.1.7 Setup Photos



TEST SETUP – 200-1000MHz



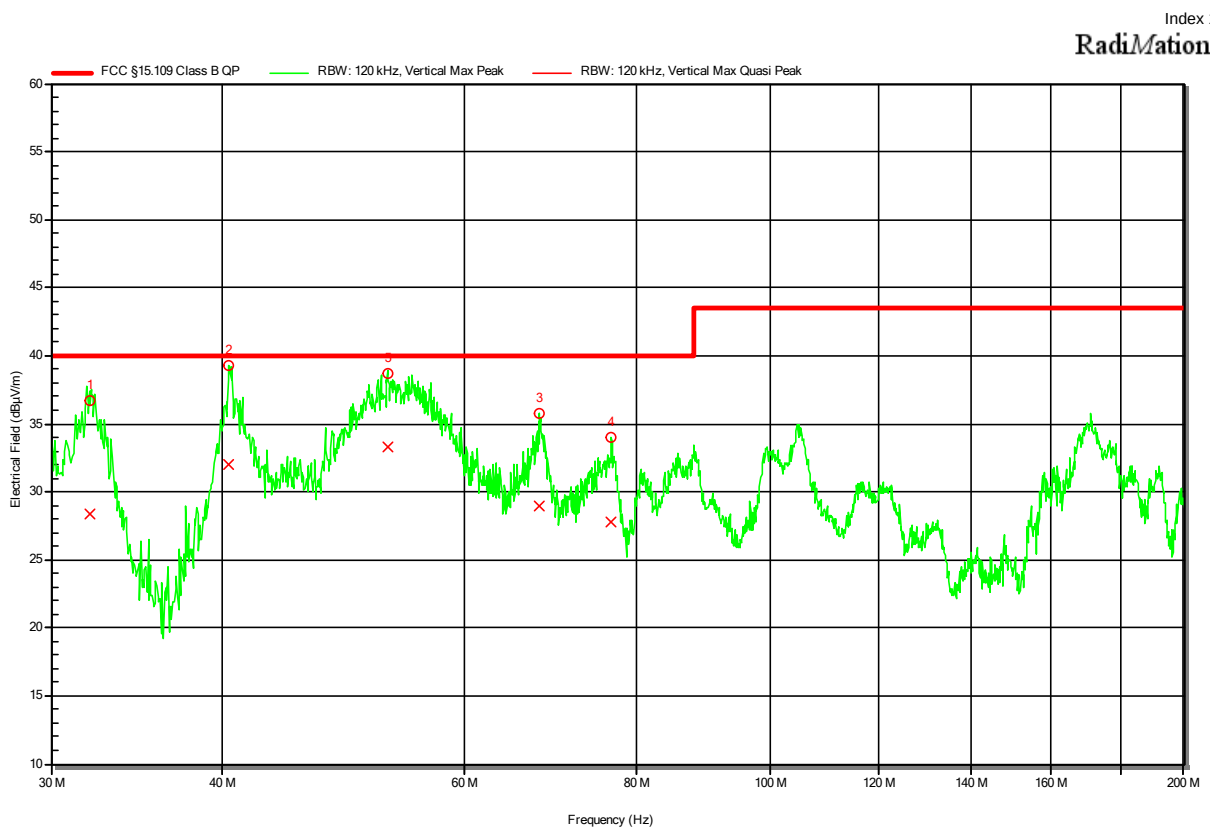
TEST SETUP – 1-15GHz



2.1.8 Records

Radiated emissions according to FCC part 15B

Project Number: G0M-2203-1368
 Applicant: Eurofins Electric & Electronic Products Testing AG
 Model Description: Food Processor
 Model: Pacojet 4xyW; x: Power Cord Connector Type; y: Case Color
 Test Sample ID: 40368
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Dose
 Test Date: 2022-07-06
 Operating Conditions: ambient temperature: 19 °Celsius
 power input: 120VAC 60Hz
 Antenna: Rohde & Schwarz HK 116, Vertical
 Measurement Distance: 3m
 Operational Mode: 1
 EUT Configuration: 1
 Note 1: -



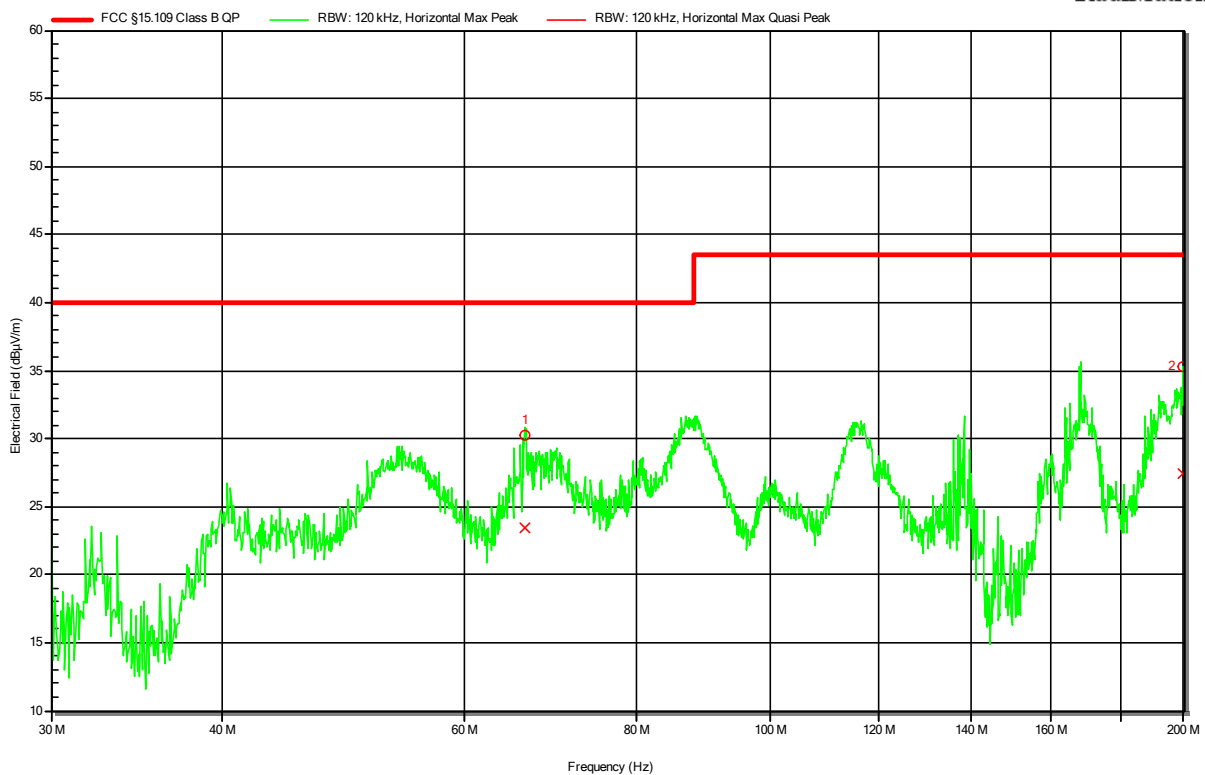
Peak Number	Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	Angle	Height
1	32.04 MHz	28.41 dBµV/m	40 dBµV/m	-11.59 dB	Pass	180 degrees	1 m
2	40.399 MHz	31.99 dBµV/m	40 dBµV/m	-8.01 dB	Pass	180 degrees	1 m
3	67.984 MHz	28.91 dBµV/m	40 dBµV/m	-11.09 dB	Pass	180 degrees	1 m
4	76.685 MHz	27.81 dBµV/m	40 dBµV/m	-12.19 dB	Pass	180 degrees	1 m
5	52.755 MHz	33.25 dBµV/m	40 dBµV/m	-6.75 dB	Pass	180 degrees	1 m

Radiated emissions according to FCC part 15B

Project Number: G0M-2203-1368
Applicant: Eurofins Electric & Electronic Products Testing AG
Model Description: Food Processor
Model: Pacojet 4xyW; x: Power Cord Connector Type; y: Case Color
Test Sample ID: 40368
Test Site: Eurofins Product Service GmbH
Operator: Mr. Dose
Test Date: 2022-07-06
Operating Conditions: ambient temperature: 19 °Celsius
power input: 120VAC 60Hz
Antenna: Rohde & Schwarz HK 116, Horizontal
Measurement Distance: 3m
Operational Mode: 1
EUT Configuration: 1
Note 1: -

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RadiMation



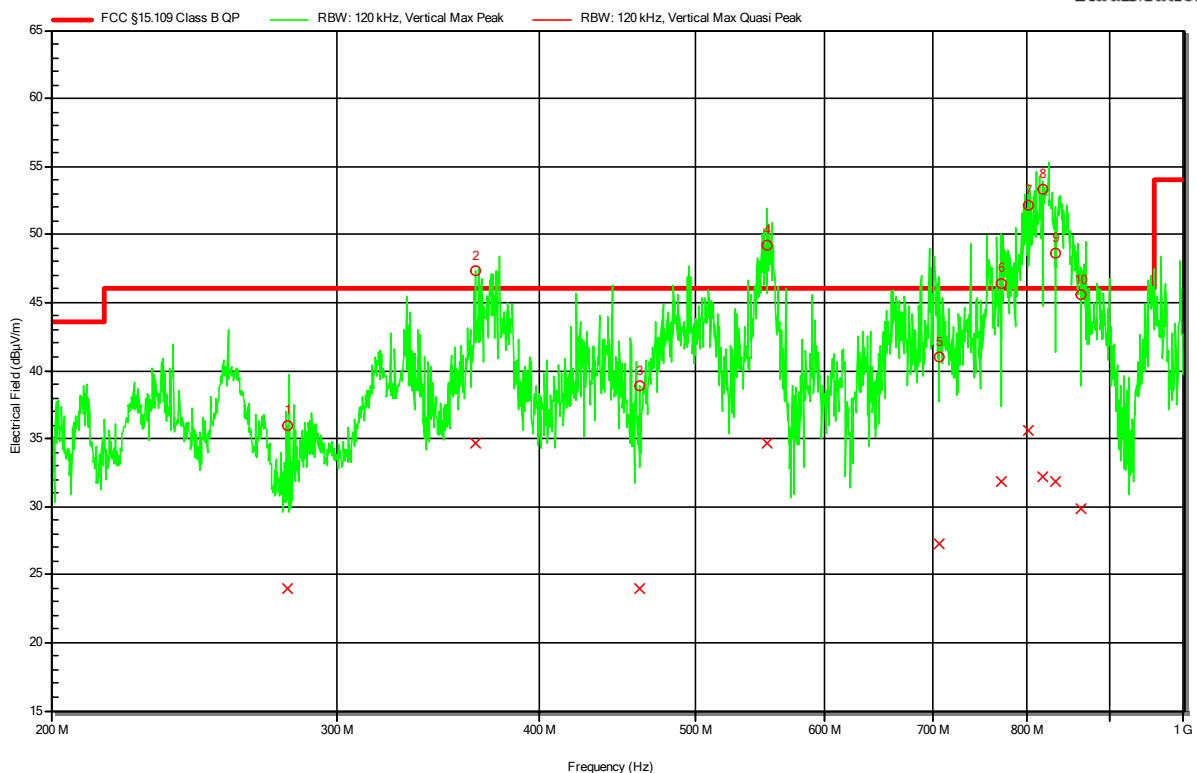
Peak Number	Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	Angle	Height
1	66.298 MHz	23.48 dBµV/m	40 dBµV/m	-16.52 dB	Pass	90 degrees	2 m
2	199.52 MHz	27.4 dBµV/m	43.52 dBµV/m	-16.12 dB	Pass	90 degrees	2 m

**Radiated emissions
according to FCC part 15B**

Project Number: G0M-2203-1368
 Applicant: Eurofins Electric & Electronic Products Testing AG
 Model Description: Food Processor
 Model: Pacojet 4xyW; x: Power Cord Connector Type; y: Case Color
 Test Sample ID: 40368
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Dose
 Test Date: 2022-07-06
 Operating Conditions: ambient temperature: 20 °Celsius
 power input: 120VAC 60Hz
 Antenna: Rohde & Schwarz HL 223, Vertical
 Measurement Distance: 3m
 Operational Mode: 1
 EUT Configuration: 1
 Note 1: -

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RadiMation



Peak Number	Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	Angle	Height
1	280.174 MHz	23.96 dBμV/m	46.02 dBμV/m	-22.06 dB	Pass	180 degrees	1 m
2	365.262 MHz	34.63 dBμV/m	46.02 dBμV/m	-11.39 dB	Pass	180 degrees	1 m
3	461.643 MHz	24.02 dBμV/m	46.02 dBμV/m	-22 dB	Pass	180 degrees	1 m
4	552.809 MHz	34.65 dBμV/m	46.02 dBμV/m	-11.37 dB	Pass	180 degrees	1 m
5	706.593 MHz	27.23 dBμV/m	46.02 dBμV/m	-18.79 dB	Pass	180 degrees	1 m
6	771.136 MHz	31.87 dBμV/m	46.02 dBμV/m	-14.15 dB	Pass	180 degrees	1 m
7	802.655 MHz	35.54 dBμV/m	46.02 dBμV/m	-10.48 dB	Pass	180 degrees	1 m
8	817.619 MHz	32.25 dBμV/m	46.02 dBμV/m	-13.77 dB	Pass	180 degrees	1 m
9	833.178 MHz	31.88 dBμV/m	46.02 dBμV/m	-14.14 dB	Pass	180 degrees	1 m
10	863.833 MHz	29.83 dBμV/m	46.02 dBμV/m	-16.2 dB	Pass	180 degrees	1 m

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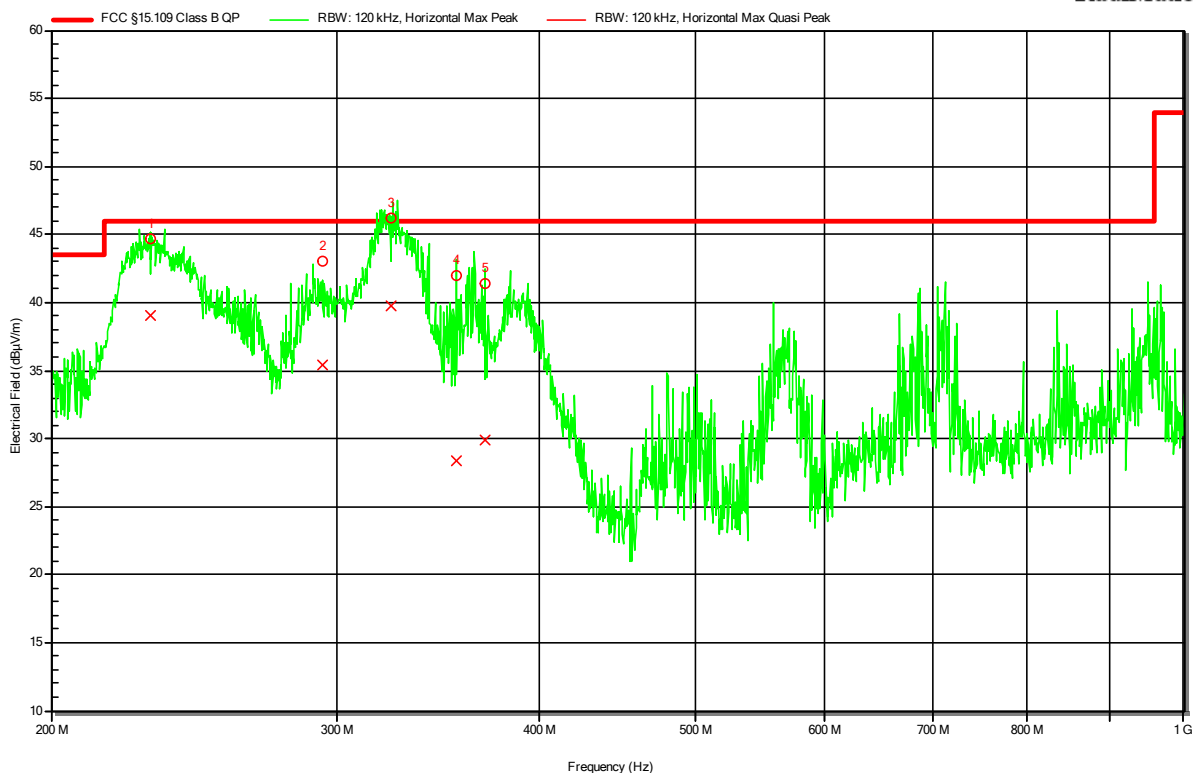
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

**Radiated emissions
according to FCC part 15B**

Project Number: G0M-2203-1368
 Applicant: Eurofins Electric & Electronic Products Testing AG
 Model Description: Food Processor
 Model: Pacojet 4xyW; x: Power Cord Connector Type; y: Case Color
 Test Sample ID: 40368
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Dose
 Test Date: 2022-07-06
 Operating Conditions: ambient temperature: 20 °Celsius
 power input: 120VAC 60Hz
 Antenna: Rohde & Schwarz HL 223, Horizontal
 Measurement Distance: 3m
 Operational Mode: 1
 EUT Configuration: 1
 Note 1: -

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RadiMation



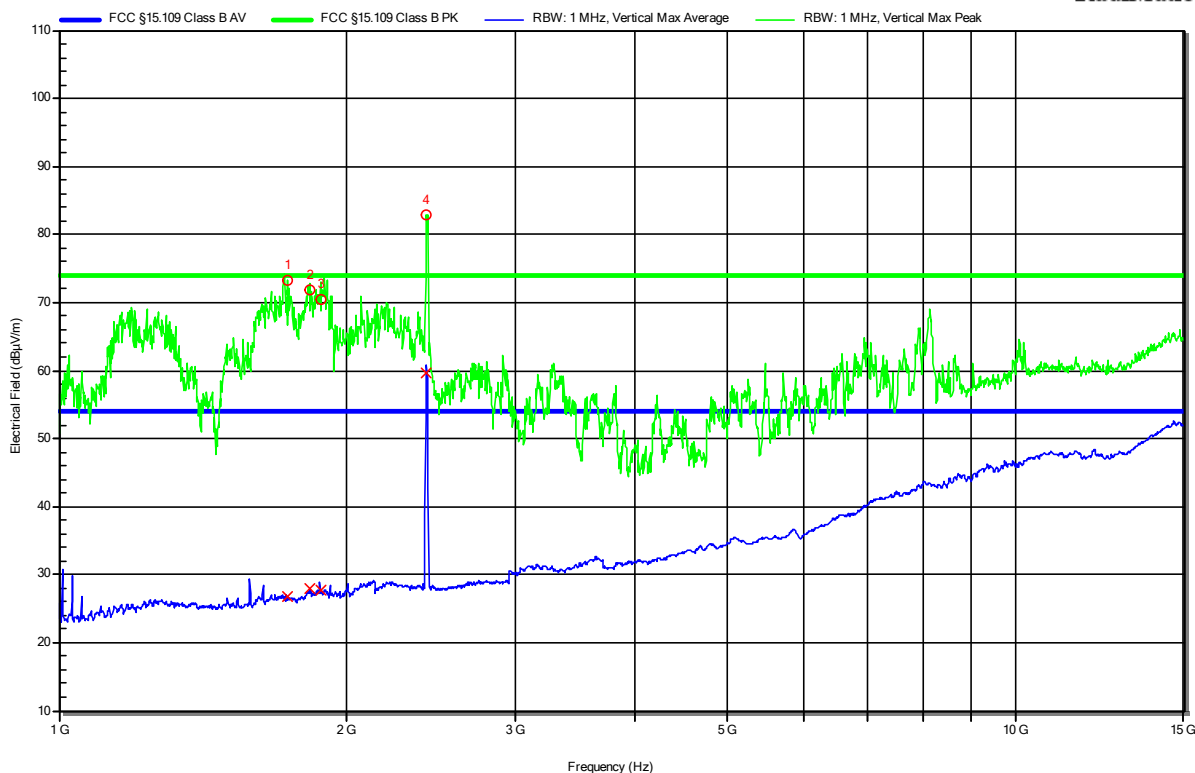
Peak Number	Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	Angle	Height
1	230.421 MHz	38.99 dBμV/m	46.02 dBμV/m	-7.03 dB	Pass	0 degrees	1 m
2	294.262 MHz	35.4 dBμV/m	46.02 dBμV/m	-10.62 dB	Pass	0 degrees	1 m
3	324.083 MHz	39.74 dBμV/m	46.02 dBμV/m	-6.28 dB	Pass	0 degrees	1 m
4	356.094 MHz	28.41 dBμV/m	46.02 dBμV/m	-17.61 dB	Pass	0 degrees	1 m
5	370.344 MHz	29.89 dBμV/m	46.02 dBμV/m	-16.13 dB	Pass	0 degrees	1 m

Radiated emissions according to FCC part 15B

Project Number: G0M-2203-1368
Applicant: Eurofins Electric & Electronic Products Testing AG
Model Description: Food Processor
Model: Pacojet 4xyW; x: Power Cord Connector Type; y: Case Color
Test Sample ID: 40368
Test Site: Eurofins Product Service GmbH
Operator: Mr. Dose
Test Date: 2022-07-06
Operating Conditions: ambient temperature: 21 °Celsius
power input: 120VAC 60Hz
Antenna: Schwarzbeck BBHA 9120D, Vertical
Measurement Distance: 3m
Operational Mode: 1
EUT Configuration: 1
Note 1: -

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RadiMation



Peak Number	Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Angle	Height
1	1.733 GHz	73.2 dBμV/m	73.98 dBμV/m	-0.78 dB	Pass	0 degrees	1.2 m
2	1.83 GHz	71.94 dBμV/m	73.98 dBμV/m	-2.04 dB	Pass	0 degrees	1.2 m
3	1.878 GHz	70.44 dBμV/m	73.98 dBμV/m	-3.54 dB	Pass	0 degrees	1.2 m
4	2.422 GHz	WLAN carrier	73.98 dBμV/m	-3.54 dB	Pass	0 degrees	1.2 m

Peak Number	Frequency	Average	Average Limit	Average Difference	Average Status	Angle	Height
1	1.733 GHz	26.77 dBμV/m	53.98 dBμV/m	-27.21 dB	Pass	0 degrees	1.2 m
2	1.83 GHz	27.86 dBμV/m	53.98 dBμV/m	-26.12 dB	Pass	0 degrees	1.2 m
3	1.878 GHz	27.68 dBμV/m	53.98 dBμV/m	-26.3 dB	Pass	0 degrees	1.2 m
4	2.422 GHz	WLAN carrier				0 degrees	1.2 m

Test Report No.: G0M-2203-1368-EF0115B-V01

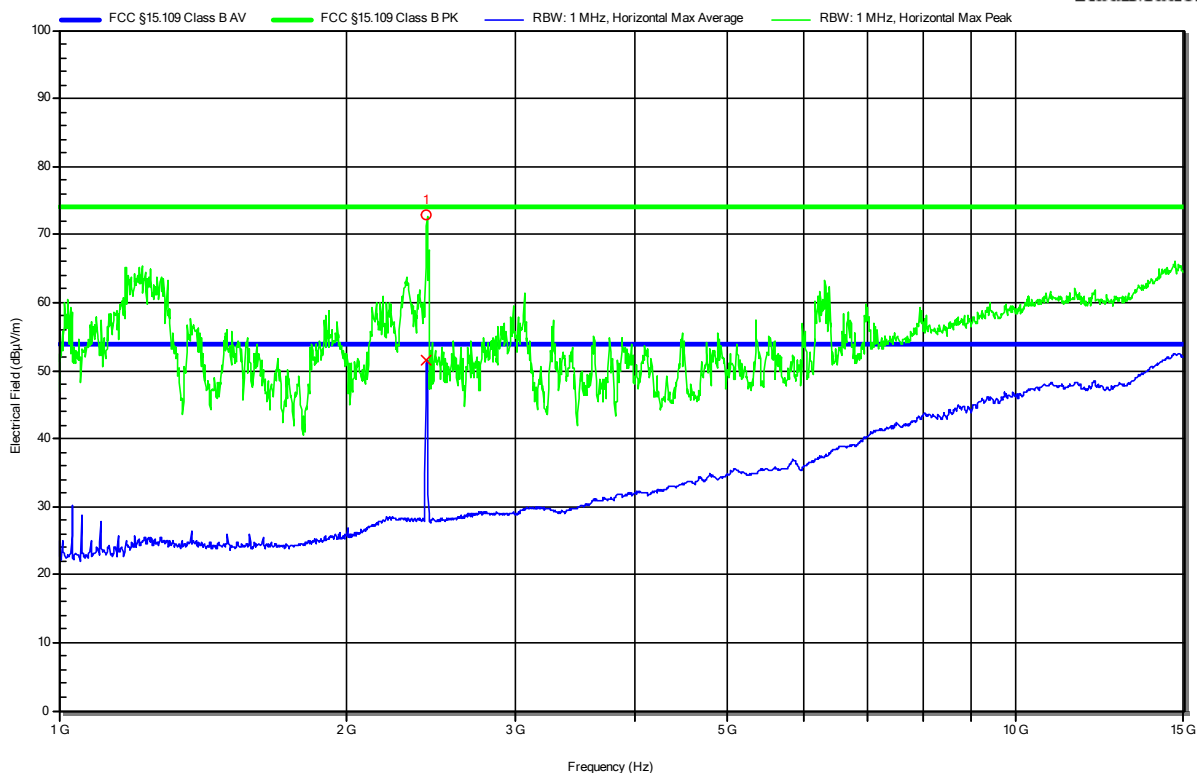
Eurofins Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

**Radiated emissions
according to FCC part 15B**

Project Number: G0M-2203-1368
 Applicant: Eurofins Electric & Electronic Products Testing AG
 Model Description: Food Processor
 Model: Pacojet 4xyW; x: Power Cord Connector Type; y: Case Color
 Test Sample ID: 40368
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Dose
 Test Date: 2022-07-06
 Operating Conditions: ambient temperature: 21 °Celsius
 power input: 120VAC 60Hz
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement Distance: 3m
 Operational Mode: 1
 EUT Configuration: 1
 Note 1: -

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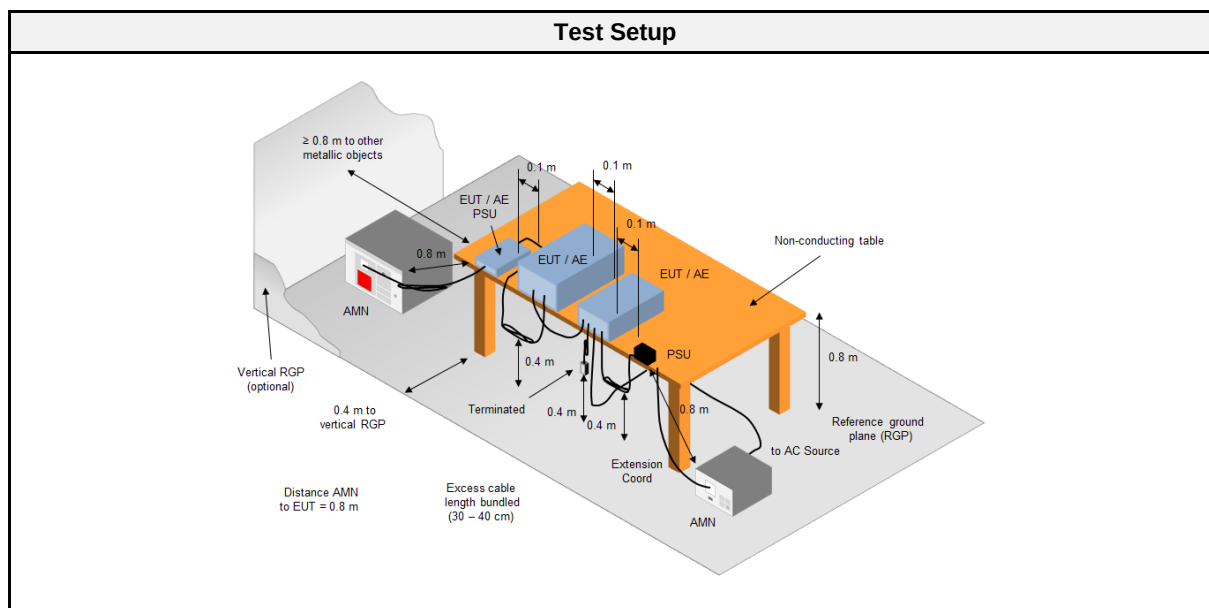
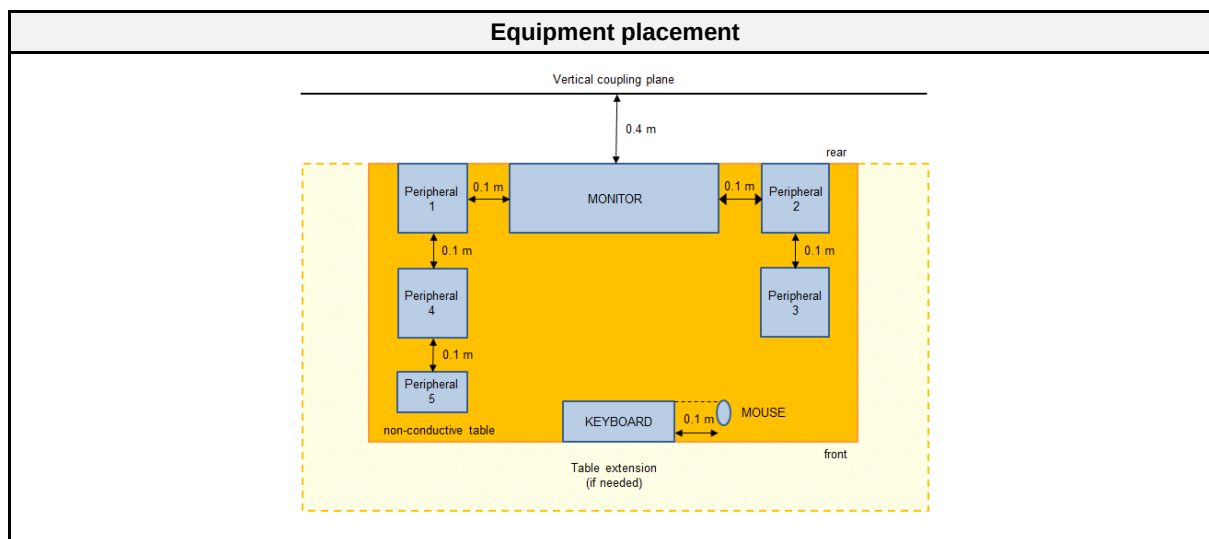
Peak Number	Frequency	WLAN carrier	Angle	Height
1	2.423 GHz		145 degrees	1 m

2.2 Test Conditions and Results - Conducted emissions acc. to ANSI C63.4

2.2.1 Information

Test Information	
Reference	FCC 15.107, ICES-003, 3.2.1
Reference method	ANSI C63.4:2014+A1:2017 Section 12
Measurement range	150 kHz to 30 MHz
Equipment class	Class B
Equipment type	Table top
Temperature [°C]	19 ±2
Humidity [%]	55 ±10
Operator	Stefan Dose
Date	2022-07-07

2.2.2 Setup



2.2.3 Equipment

Test Software			
Description	Manufacturer	Name	Version
EMC Software	DARE Instruments	Radimation	2020.2.7

Test Equipment					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
AMN	Schwarzbeck	NSLK 8127	EF01592	2021-07	2022-07
Pulse Limiter	R&S	ESH3-Z2	EF01063	2021-07	2022-07
EMI Test Receiver	R&S	ESR 7	EF00943	2021-08	2022-08
Climatic Sensor	Embedded Data Systems, LLC.	2800100000254 17E	EF01054	2022-04	2023-04

2.2.4 Procedure

Exploratory measurement	
1.	The EUT was placed on a non-conductive table 0.8 m above the reference ground plane and 0.4 m away from the vertical conducting plane (ANSI C63.4: 2014 item 7.3.1)
2.	The power cord that is normally supplied or recommended by the manufacturer was connected to the LISN.
3.	The distance between the outer edge of the EUT and the LISN shall be set to 0.8 m. A longer power cord shall be bundled to this length (bundling shall not exceed 40 cm in length).
4.	The LISN measurement port was connected to a measurement receiver
5.	I/O cables were bundled not longer than 0.4 m
6.	Measurement was performed in the frequency range 0.15 – 30MHz on each current-carrying conductor
7.	To maximize the emissions the cable positions were manipulated
8.	The worst configuration of EUT and cables is shown on a test setup picture at item 2.2.2

Final measurement	
1.	The EUT was placed on a non conductive table 0.8 m above the reference ground plane and 0.4 m away from the vertical conducting plane (ANSI C63.4: 2014 item 7.3.1)
2.	The power cord that is normally supplied or recommended by the manufacturer was connected to the LISN.
3.	The distance between the outer edge of the EUT and the LISN shall be set to 0.8 m. A longer power cord shall be bundled to this length (bundling shall not exceed 40 cm in length).
4.	The LISN measurement port was connected to a measurement receiver
5.	The EUT and cable arrangement were based on the exploratory measurement results
6.	The test data of the worst-case conditions were recorded and shown on the next pages

2.2.5 Limits

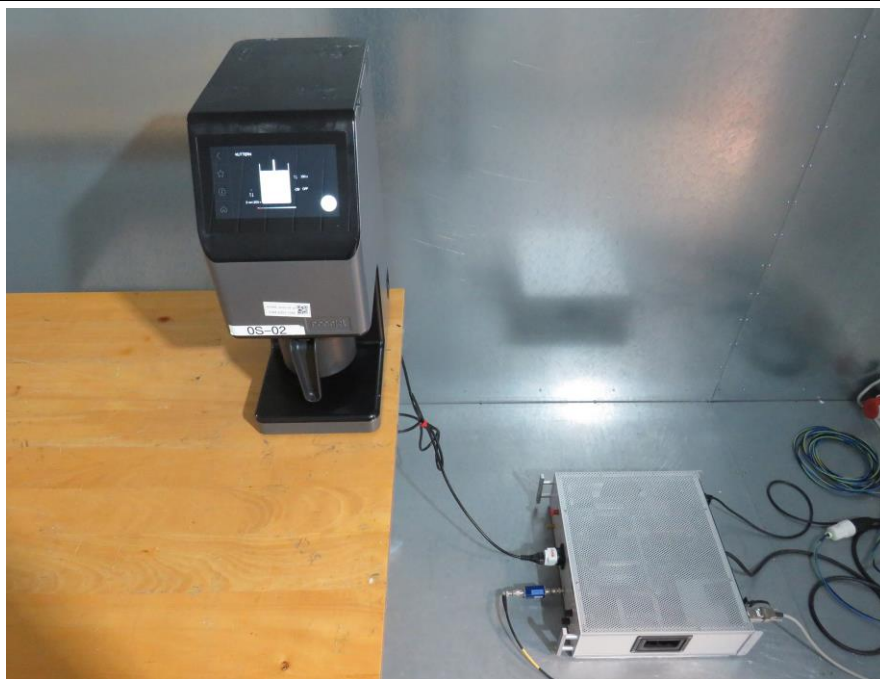
Class B		
Frequency [MHz]	Quasi-peak Limit [dBμV]	Average Limit [dBμV]
0.15 - 0.5	66 - 56 *	56 - 46 *
0.5 - 5	56	46
5 - 30	60	50
* Decreases with the logarithm of the frequency		

2.2.6 Results

AC power line conducted emissions					
Port	Coupling	Operational mode	EUT Configuration	Verdict	Remark
Power	AMN	1	1	PASS	120 V AC / 60 Hz

2.2.7 Setup Photos

TEST SETUP – FRONT VIEW



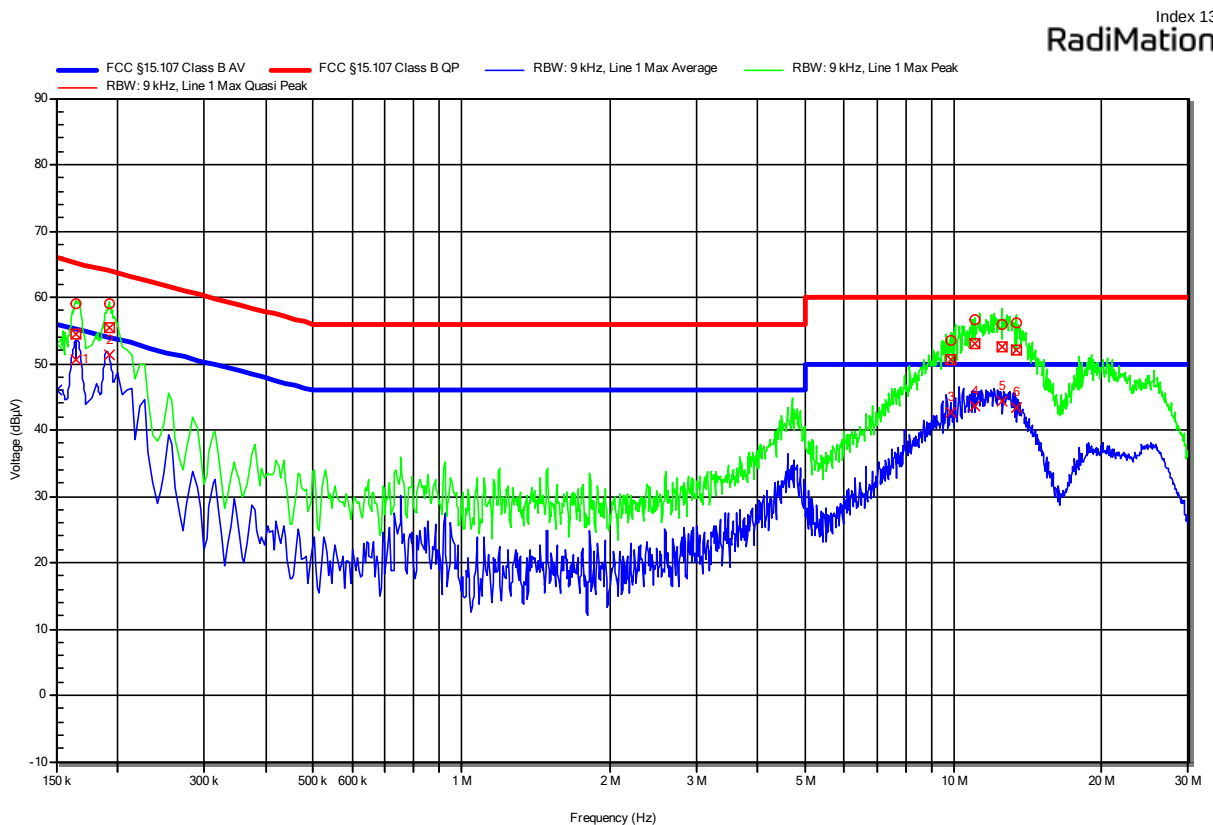
TEST SETUP – SIDE VIEW



2.2.8 Records

Conducted emissions at the mains power port according to FCC part 15B

Project Number:	G0M-2203-1368
Applicant:	Eurofins Electric & Electronic Products Testing AG
Model Description:	Food Processor
Model:	Pacojet 4xyW; x: Power Cord Connector Type; y: Case Color
Test Sample ID:	40368
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Dose
Test Date:	2022-07-07
Operating Conditions:	ambient temperature: 18 °Celsius power input: 120VAC 60Hz
LISN:	Schwarzbeck NSLK 8127 RC L
Operational Mode:	1
EUT Configuration:	1
Applied to Port:	Power
Note 1:	-



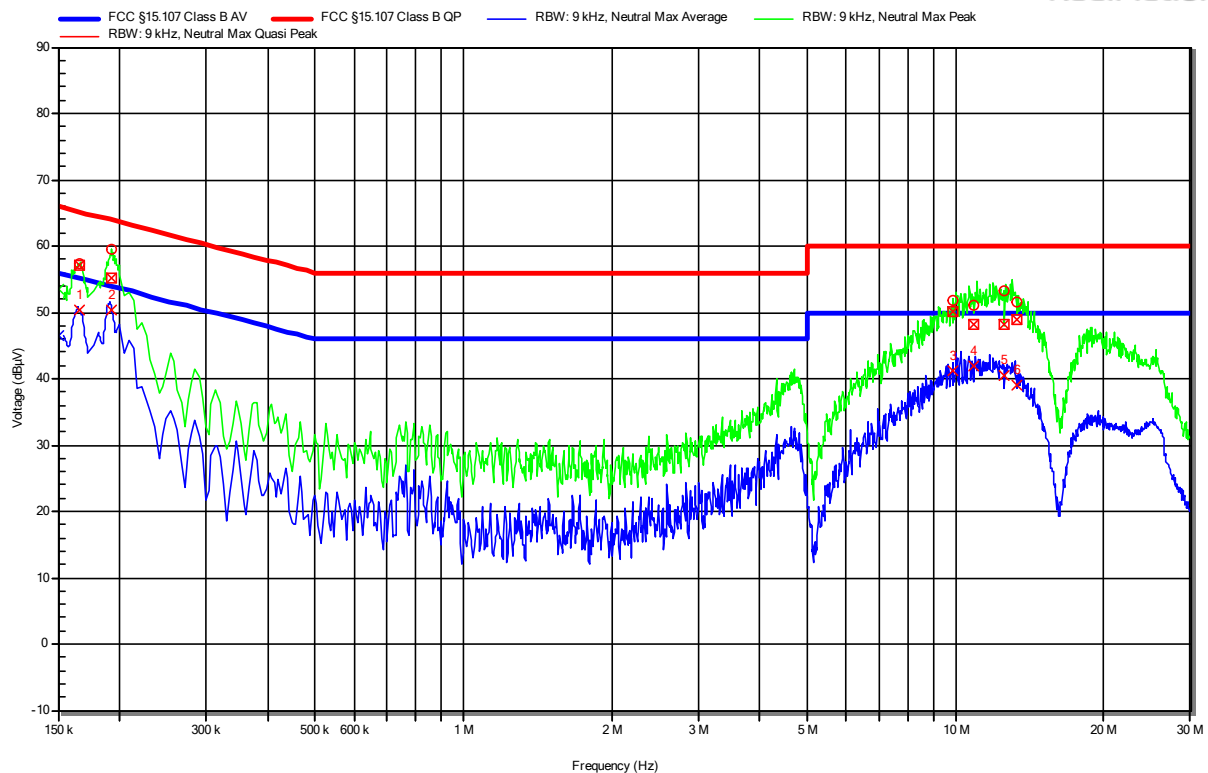
Peak Number	Frequency (MHz)	Quasi-Peak (dBμV)	Quasi-Peak (dBμV)	Limit	Quasi-Peak Difference (dB)	Quasi-Peak Status	LISN
1	0.165	54.47	65.22		-10.74	Pass	Line 1
2	0.192	55.52	63.94		-8.41	Pass	Line 1
3	9.852	50.59	60		-9.41	Pass	Line 1
4	11.066	53.07	60		-6.93	Pass	Line 1
5	12.557	52.41	60		-7.59	Pass	Line 1
6	13.381	52.11	60		-7.89	Pass	Line 1

Peak Number	Frequency (MHz)	Average (dBμV)	Average (dBμV)	Limit	Average Difference (dB)	Average Status	LISN
1	0.165	50.71	55.22		-4.51	Pass	Line 1
2	0.192	51.39	53.94		-2.55	Pass	Line 1
3	9.852	42.69	50		-7.31	Pass	Line 1
4	11.066	43.65	50		-6.35	Pass	Line 1
5	12.557	44.32	50		-5.68	Pass	Line 1
6	13.381	43.29	50		-6.71	Pass	Line 1

**Conducted emissions at the mains power port
according to FCC part 15B**

Project Number: G0M-2203-1368
 Applicant: Eurofins Electric & Electronic Products Testing AG
 Model Description: Food Processor
 Model: Pacojet 4xyW; x: Power Cord Connector Type; y: Case Color
 Test Sample ID: 40368
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Dose
 Test Date: 2022-07-07
 Operating Conditions: ambient temperature: 18 °Celsius
 power input: 120VAC 60Hz
 LISN: Schwarzbeck NSLK 8127 RC N
 Operational Mode: 1
 EUT Configuration: 1
 Applied to Port: Power
 Note 1: -

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Peak Number	Frequency (MHz)	Quasi-Peak (dBμV)	Quasi-Peak (dBμV)	Limit	Quasi-Peak Difference (dB)	Quasi-Peak Status	LISN
1	0.166	57.11	65.17		-8.06	Pass	Neutral
2	0.193	55.23	63.92		-8.69	Pass	Neutral
3	9.85	50.18	60		-9.82	Pass	Neutral
4	10.861	48.23	60		-11.77	Pass	Neutral
5	12.557	48.18	60		-11.82	Pass	Neutral
6	13.366	48.9	60		-11.1	Pass	Neutral

Peak Number	Frequency (MHz)	Average (dBμV)	Average (dBμV)	Limit	Average Difference (dB)	Average Status	LISN
1	0.166	50.44	55.17		-4.73	Pass	Neutral
2	0.193	50.38	53.92		-3.53	Pass	Neutral
3	9.85	41.3	50		-8.7	Pass	Neutral
4	10.861	41.83	50		-8.17	Pass	Neutral
5	12.557	40.43	50		-9.57	Pass	Neutral
6	13.366	38.98	50		-11.02	Pass	Neutral

3 Measurement Uncertainty

All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95%, with a coverage factor of 2.

Test Name	Measurement Uncertainty
Conducted emissions at the mains power port	150kHz to 30MHz, 3.35dB
Radiated Emission	30MHz to 200MHz @ 3m, 5.1dB 200MHz to 1GHz @ 3m, 5.3dB >1GHz to 6GHz @3m, 5.95dB