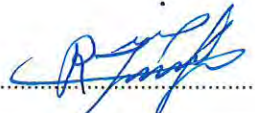


RADIO REPORT FCC 47 CFR Part 15C ISED Canada RSS-247 Digital transmission systems operating within the 2400.0 MHz - 2483.5 MHz band	
Report Reference No	G0M-2203-1368-TFC247WF-V01
Testing Laboratory	Eurofins Product Service GmbH
Address	Storkower Str. 38c 15526 Reichenwalde Germany
Accreditation	    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	47 CFR Part 15C
Non-Standard Test Method	None
Equipment under Test (EUT):	
Product Description	Food Processor
Model(s)	Pacojet 4
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	
Not applicable to EUT	N/A	
Test object does meet the requirement	P(PASS)	
Test object does not meet the requirement	F(FAIL)	
Testing:		
Test Lab Temperature	20 °C - 30 °C	
Test Lab Humidity	25 % - 55 %	
Date of receipt of test item	2022-03-25	
Report:		
Compiled by	Wilfried Treffke	
Tested by (+ signature) (Responsible for Test)	Wilfried Treffke	
Approved by (+ signature) (Test Lab Engineer)	Radwan Jaafar	
Date of Issue	2023-06-28	
Total number of pages	102	
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:		

VERSION HISTORY

Version History			
Version	Issue Date	Remarks	Revised By
01	2023-06-28	Initial Release	

ABBREVIATIONS AND ACRONYMS

Acronyms	
Acronym	Description
BPSK	Binary Phase Shift Keying
DSSS	Direct Sequence Spread Spectrum
EUT	Equipment Under Test
FCC	Federal Communications Commission
HT	High Throughput
IEEE 802.11	MAC and PHY Layer for WiFi
ISED	Innovation, Science and Economic Development Canada
OFDM	Orthogonal Frequency Division Multiplexing
QAM	Quadrature Amplitude Modulation
QPSK	Quadrature Phase Shift Keying
RBW	Resolution bandwidth
RMS	Root mean square
VBW	Video bandwidth
V _{NOM}	Nominal supply voltage

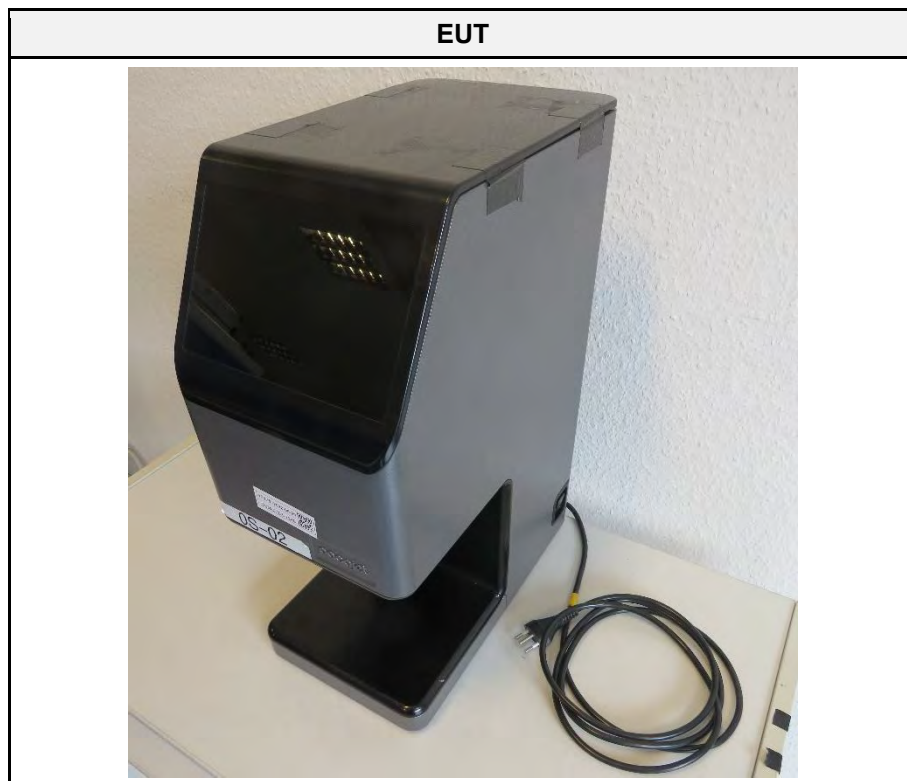
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1 Equipment (Test Item) Under Test

Description	Food Processor	
Model	Pacojet 4	
Additional Model(s)	None	
Brand Name(s)	Pacojet 4	
Serial Number(s)	Prototype	Radiated Test Sample ID 39285
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	
Equipment type	End Product	
Radio type	Transceiver	
Assigned frequency bands	2400.0 MHz - 2483.5 MHz	
Radio technology	IEEE 802.11 b/g/n (HT20)	
Modulation	BPSK, QPSK, 16-QAM, 64-QAM	
Number of antenna ports	1	
Radio Module	Type	Wifi & BT Module
	Model	ESP32-S2-WROOM-I
	Manufacturer	Espressif
	HW Version	V01-1-001
	SW Version	ESP32-S2_RF_TEST_V200_40M_20200714
	FCC ID	2AC7Z-ESP32S2WROOM
	IC ID	21098-ESP32S2WROOM
Antenna	Type	External
	Model	146153
	Manufacturer	Molex
	Gain	3.0 dBi (Antenna data sheet)
Supply Voltage	V _{NOM}	120 VAC
Operating Temperature	T _{NOM}	25 °C
Manufacturer	Noventa AG Sonnenstrasse 1 9444 Diepoldsau Switzerland	

1.1 Photos – Equipment External



EUT RIGHT SIDE



EUT LEFT SIDE



EUT BACK



EUT LABEL

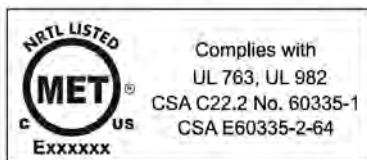
100-127 V 50-60 Hz 1500 W
Pacojet 4BxW
S/N: 220100140011

Alator AG
6302 Zug, Switzerland

IP21 Swiss designed
Commercial and Household Use



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

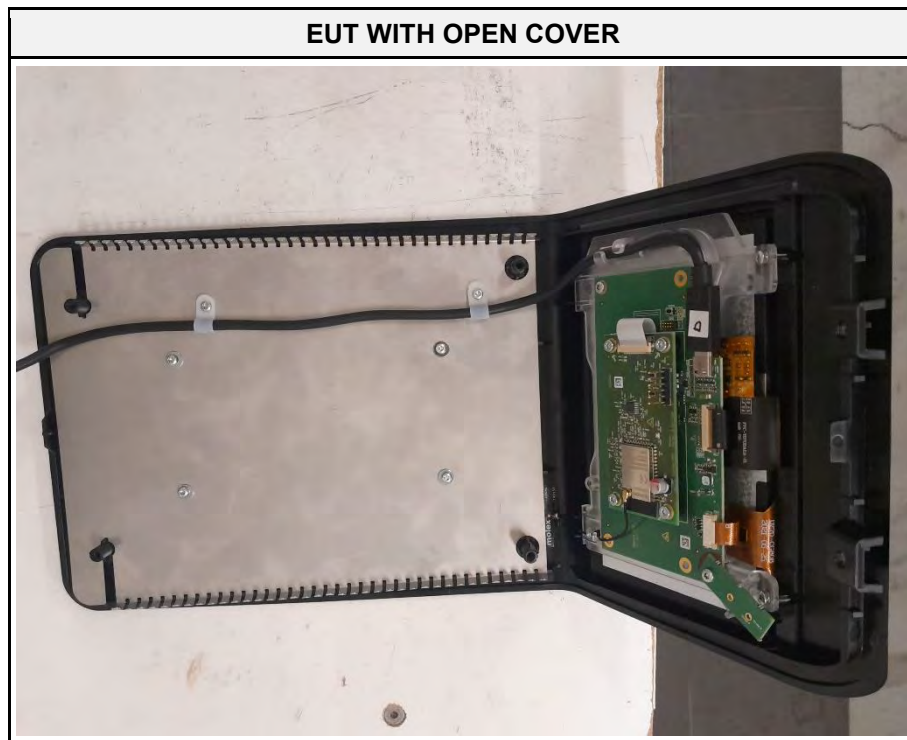


FCC ID: 2A7QD-PJ4V00
IC: 28742-PJ4V00

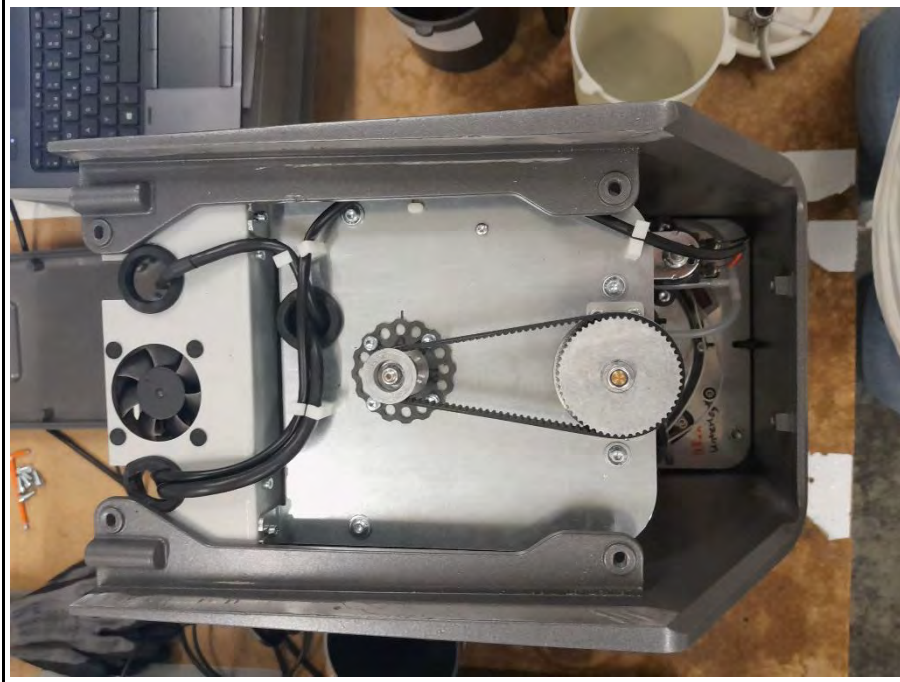


R 202-SMK033

1.2 Photos – Equipment Internal



EUT WITHOUT MAIN PCB TOP SIDE



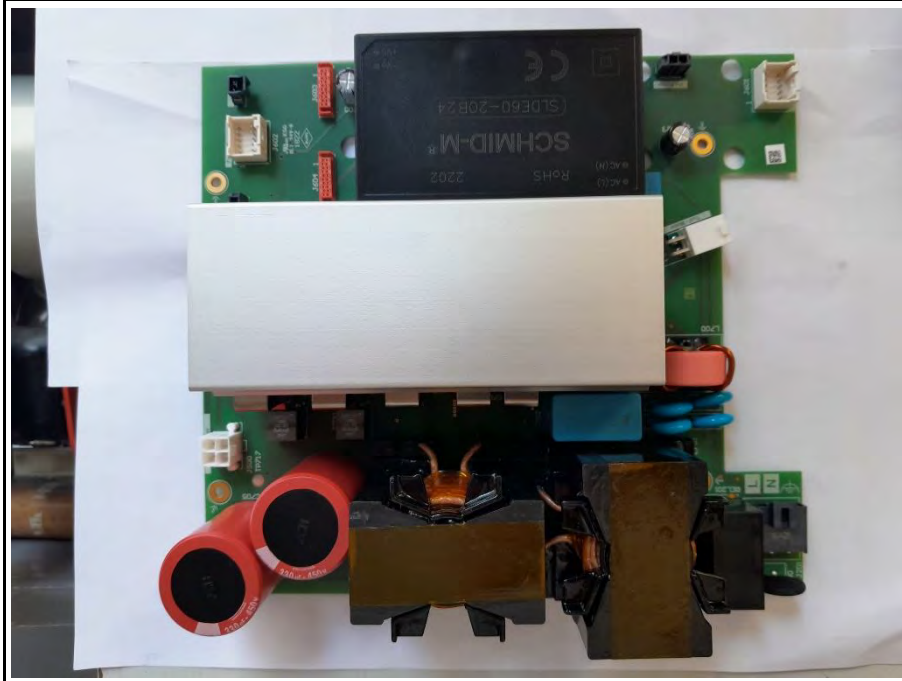
EUT WITHOUT COVER FRONT SIDE



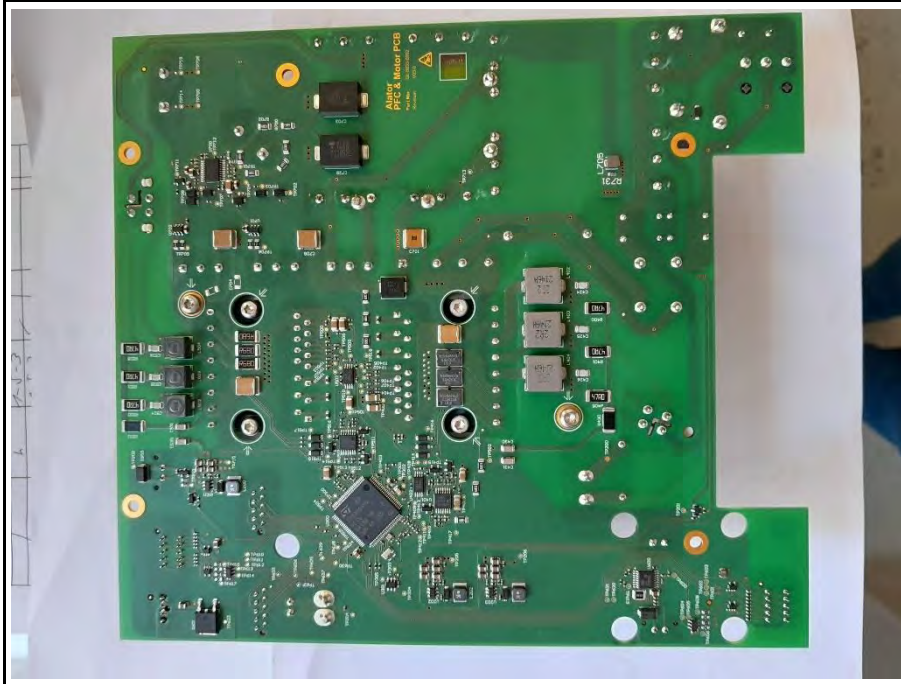
EUT WITHOUT COVER REAR SIDE



EUT MAIN PCB TOP SIDE



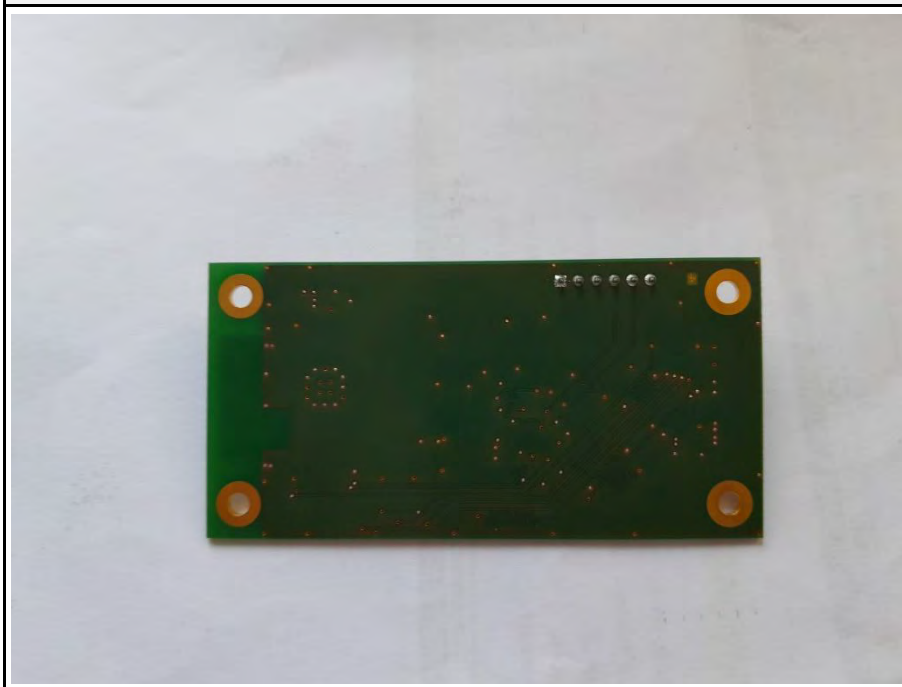
EUT MAIN PCB BOTTOM SIDE



EUT CONNECTIVITY PCB TOP SIDE



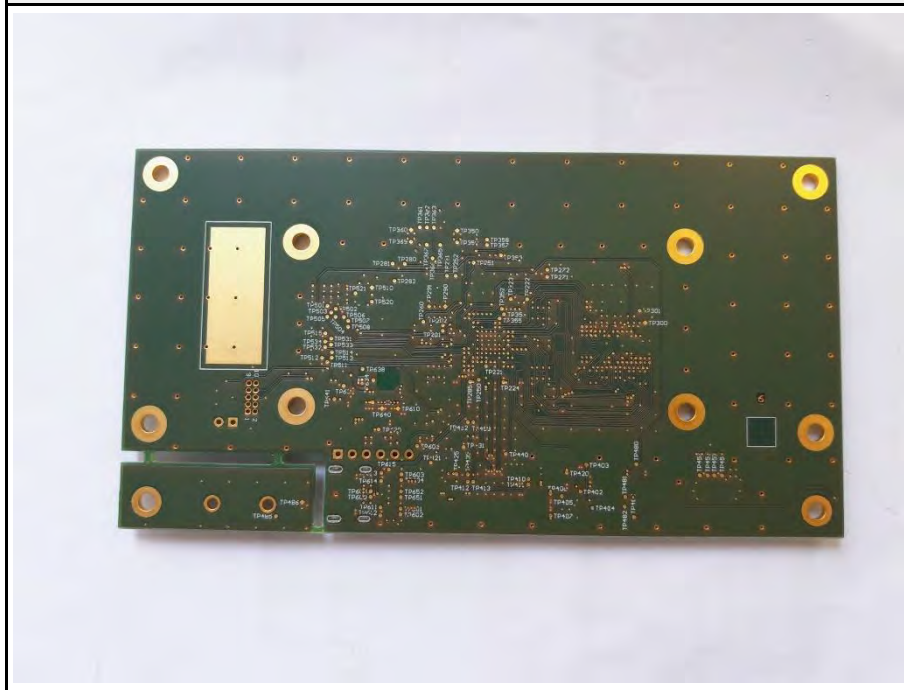
EUT CONNECTIVITY PCB BOTTOM SIDE



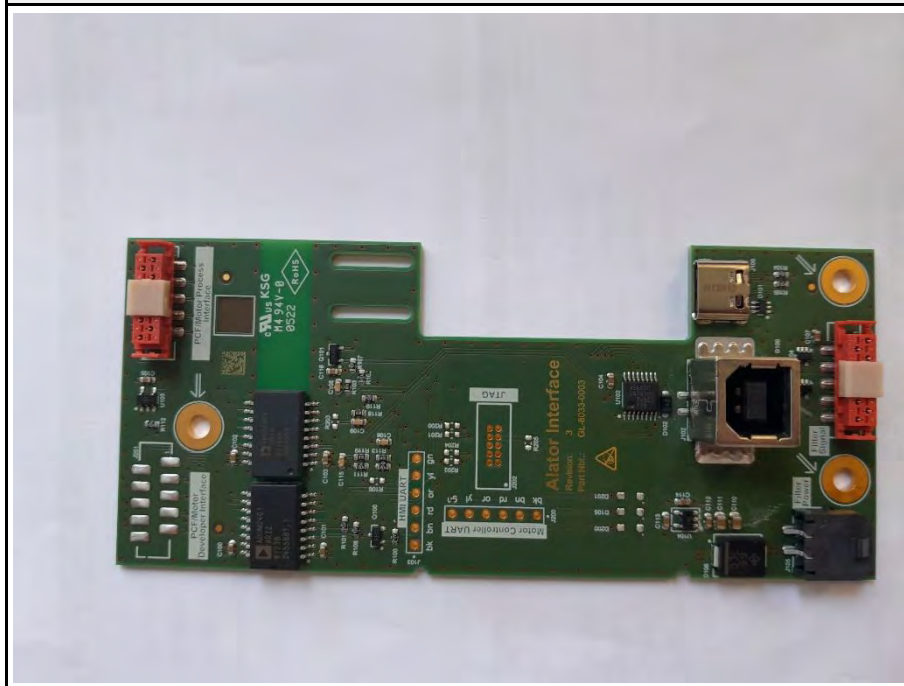
EUT DISPLAY PCB TOP SIDE



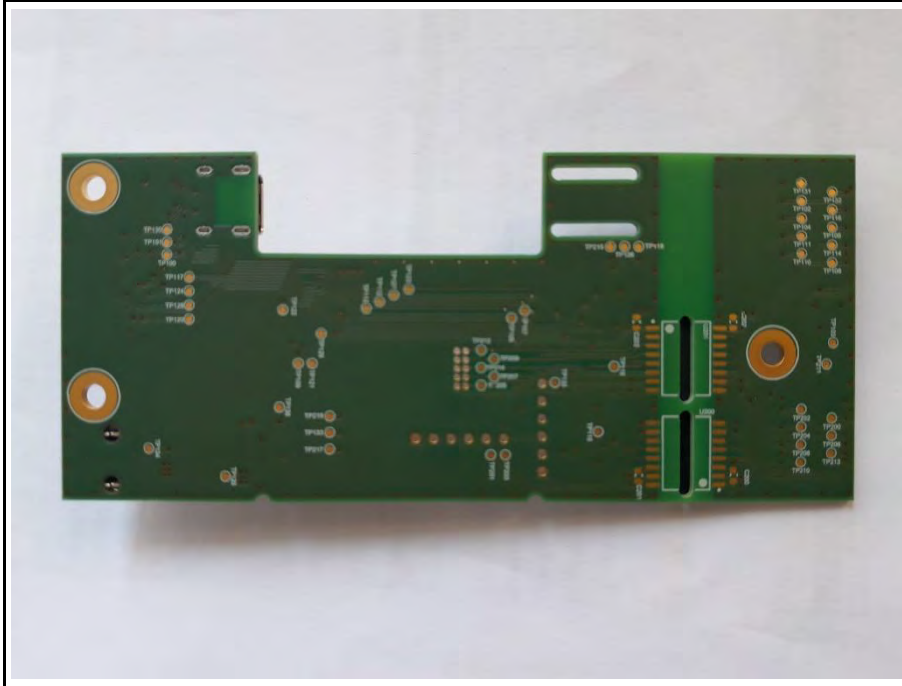
EUT DISPLAY PCB BOTTOM SIDE



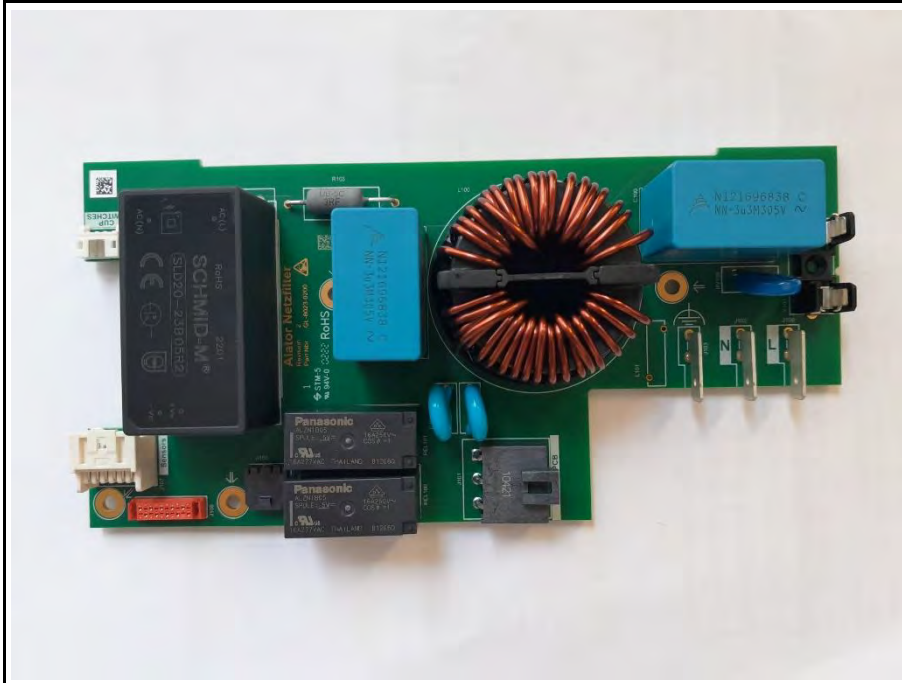
EUT INTERFACE PCB TOP SIDE



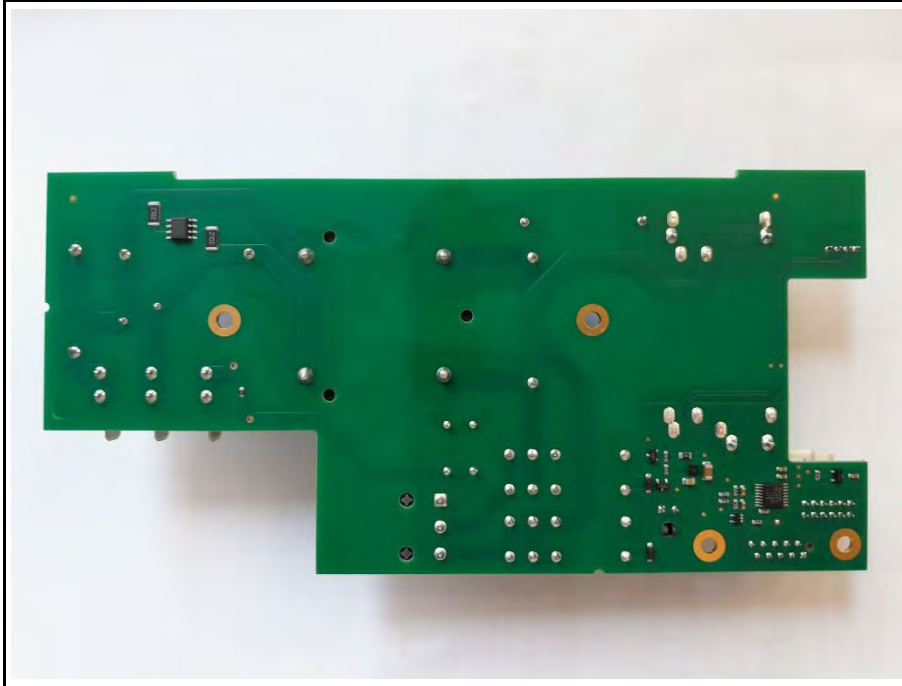
EUT INTERFACE PCB BOTTOM SIDE



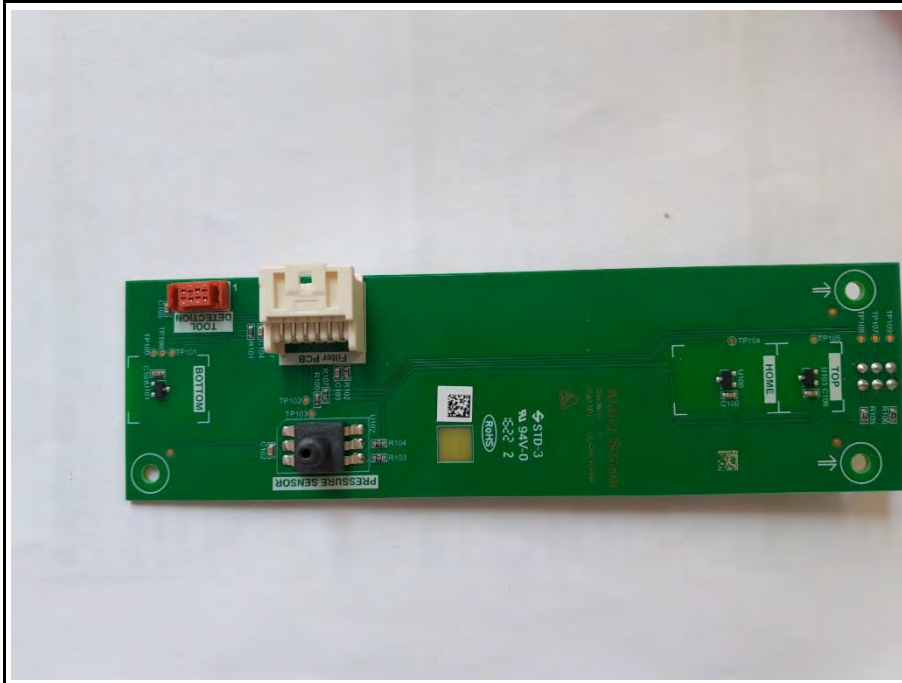
EUT LINE FILTER PCB TOP SIDE



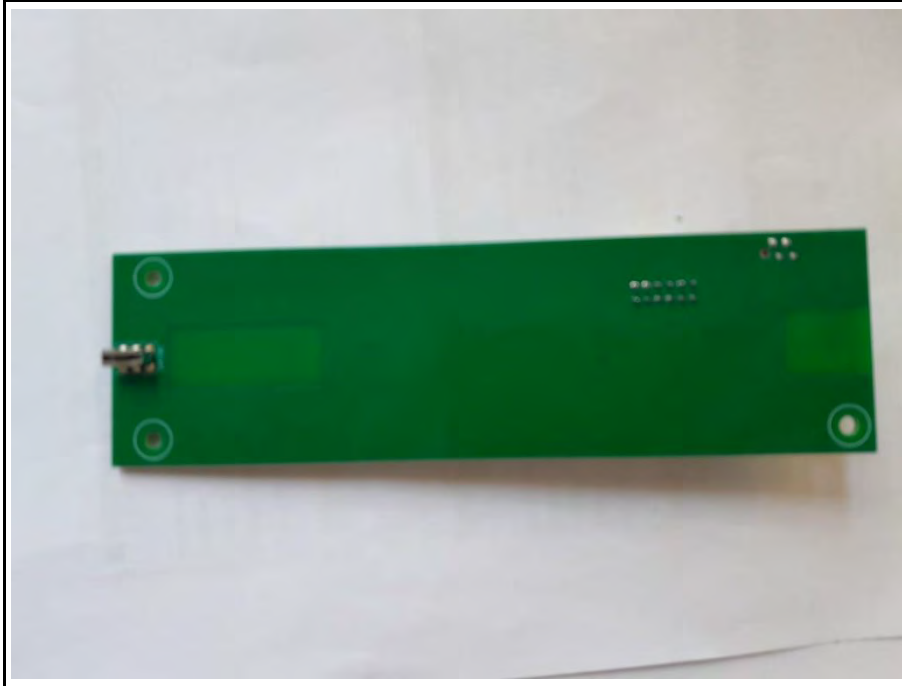
EUT LINE FILTER PCB BOTTOM SIDE



EUT SENSOR PCB TOP SIDE



EUT SENSOR PCB BOTTOM SIDE



1.3 Support Equipment

Product Type	Device	Manufacturer	Model	Comment
None.				
Description:				
AE	Auxiliary Equipment			
SIM	Simulator			
CBL	Connecting Cable			
SFT	Software			
Comment:				

1.4 Test Modes

Mode	Description
DSSS (IEEE 802.11b)	Mode = Transmit Modulation = BPSK Spreading = DSSS Bandwidth = 20 MHz Duty cycle = 100% Power setting = Maximum (fixed settings by integrated customer test software) Data rate = 1 Mbps
OFDM (IEEE 802.11g)	Mode = Transmit Modulation = OFDM Bandwidth = 20 MHz Duty cycle = 100% Power setting = Maximum (fixed settings by integrated customer test software) Data rate = 6 Mbps
HT20 (IEEE 802.11n)	Mode = Transmit Modulation = OFDM/BPSK Bandwidth = 20 MHz Duty cycle = 100% Power setting = Maximum (fixed settings by integrated customer test software) Data rate (1 Simultaneous Tx) = 6.5 Mbps MCS = 0
Receive	Mode = Receive
Comment: The above settings were found as worst case during pre-tests.	

1.5 Test Frequencies

Designator	Mode	Channel	Frequency [MHz]
F1	Tx / Rx	1	2412
F2	Tx / Rx	6	2437
F3	Tx / Rx	11	2462

1.6 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 analyzer in dB μ V. Any external preamplifiers used are taken into account through internal analyzer 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 analyzer. 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:

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

Net:

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

Limit:

This is the FCC Class B radiated emission limit (in units of dB μ V/m). The FCC limits are given in units of μ V/m. The following formula is used to convert the units of μ V/m to dB μ V/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 dB μ V + 26 dB/m	= 47.5 dB μ V/m	:	47.5 dB μ V/m - 57.0 dB μ V/m	= -9.5 dB

2 Result Summary

FCC 47 CFR Part 15C				
Product Standard Reference	Requirement	Reference Method	Result	Remarks
ISED RSS-Gen, Issue 5 A2 (section 6.7)	Occupied Bandwidth	ANSI C63.10-2013	N/R	Informational only
FCC § 15.247(a)(2)	6 dB Bandwidth	ANSI C63.10-2013	PASS	
FCC § 15.247(b)	Maximum peak conducted power	ANSI C63.10-2013	PASS	
FCC § 15.247(e)	Power spectral density	ANSI C63.10-2013	PASS	
FCC § 15.207	AC power line conducted emissions	ANSI C63.10-2013	PASS	
FCC § 15.247(d)	Band edge compliance	ANSI C63.10-2013	PASS	
FCC § 15.247(d)	Conducted spurious emissions	ANSI C63.10-2013	PASS	
FCC § 15.247(d) FCC § 15.209	Transmitter radiated spurious emissions	ANSI C63.10-2013	PASS	
ISED RSS-247, Issue 2 (section 3.1)	Receiver radiated spurious emissions	ANSI C63.4-2014	PASS	
Comment: The Decision Rule is applied on the basis of ETSI TR 102 273 and ETSI TR 100 028. These standards provide guidance on how to calculate and apply measurement uncertainty whilst providing maximum uncertainties allowance. In all cases due consideration will be given to ILAC-G8:09/2019. Where a result is considered conditional in respect of its proximity to the limit line, the customer would be made aware of situation so that they can make an informed decision on how to proceed.				

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

3 Test Conditions and Results

3.1 Test Conditions and Results - Occupied bandwidth

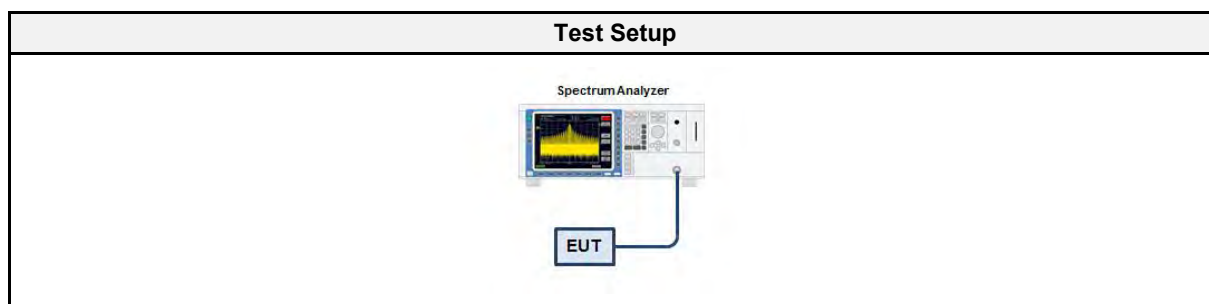
3.1.1 Information

Test Information	
Reference	ISED RSS-Gen, Issue 5 A2 (section 6.7)
Measurement Method	ANSI C63.10 6.9.3
Measurement Uncertainty	$\pm 1.26 \%$
Test Sample ID	42572
Operator	Wilfried Treffke
Date	2023-06-22

3.1.2 Limits

Limits
None (Informational only)

3.1.3 Setup



3.1.4 Equipment

Test Equipment					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Spectrum Analyser	R&S	FSU 43	EF01631	2022-08	2023-08
Cable	GIGALANE	CAQAB7	EF00779	2023-03	2024-03

3.1.5 Procedure

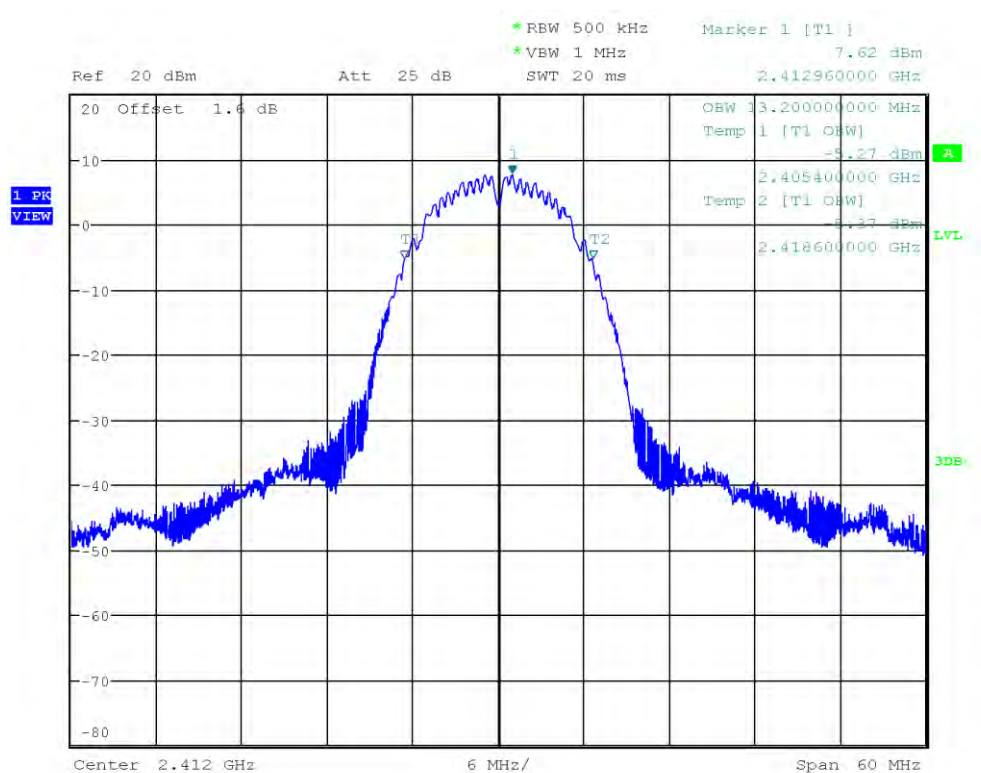
Test Procedure
- EUT transmitter is activated in test mode under normal conditions - The spectrum analyzer is set to peak detection and maximum hold with a span twice the emission spectrum - The resolution bandwidth is set to the range of 1 % to 5 % of the occupied bandwidth - The occupied bandwidth is measured with the build-in analyzer function

3.1.6 Results

Test Results		
Mode	Frequency [MHz]	Bandwidth [MHz]
DSSS	2412	13.200
DSSS	2437	13.245
DSSS	2462	13.275
OFDM	2412	17.790
OFDM	2437	17.760
OFDM	2462	17.715
HT20	2412	18.510
HT20	2437	18.510
HT20	2462	18.450

Occupied Bandwidth

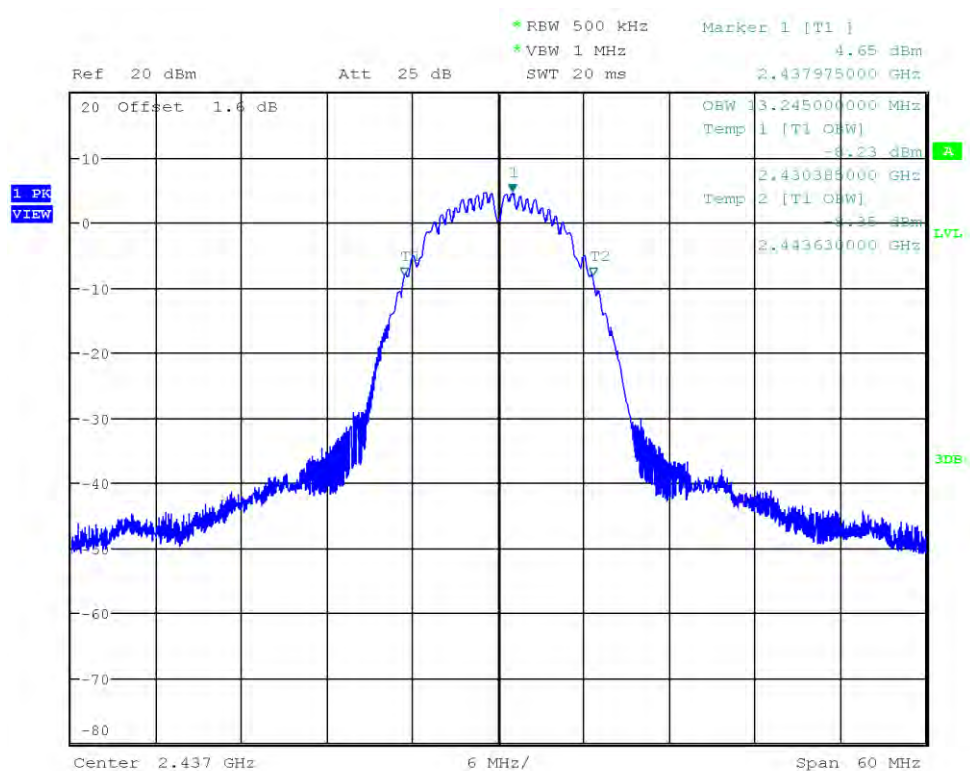
Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Method: ANSI C63.10:2013, Section 6.9.3
 Operational Mode: IEEE 802.11 b, Channel: 1, 2412
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Occupied Bandwidth [MHz]: 13.200



Date: 22.JUN.2023 11:49:00

Occupied Bandwidth

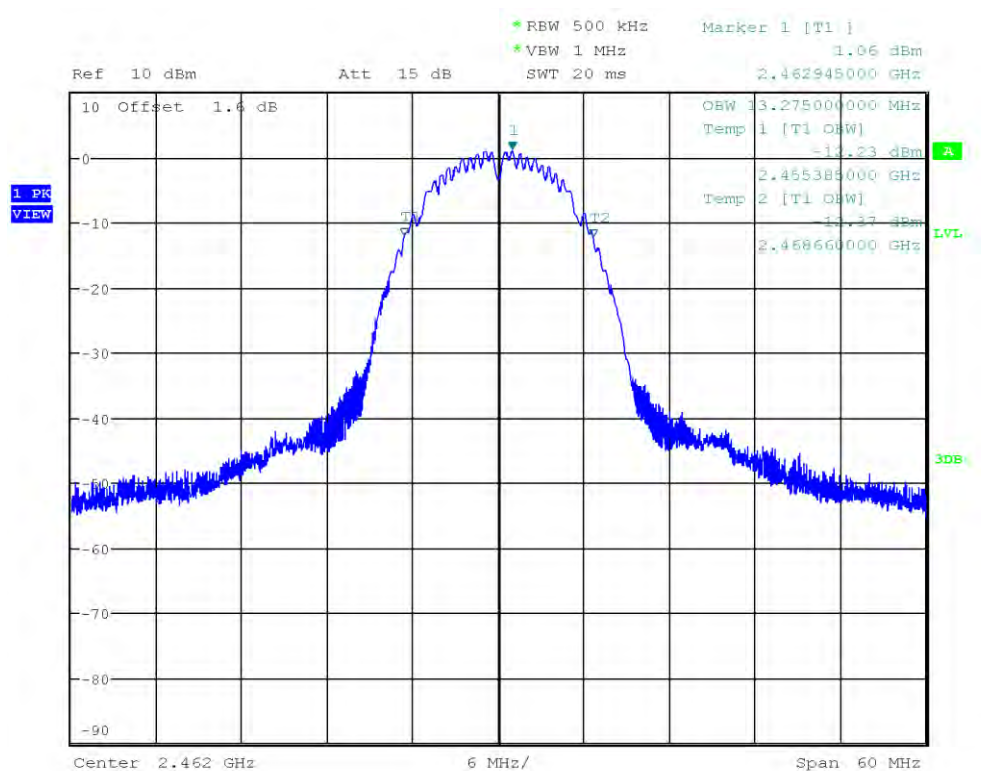
Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Method: ANSI C63.10:2013, Section 6.9.3
 Operational Mode: IEEE 802.11 b, Channel: 6, 2437
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Occupied Bandwidth [MHz]: 13.245



Date: 22.JUN.2023 11:50:36

Occupied Bandwidth

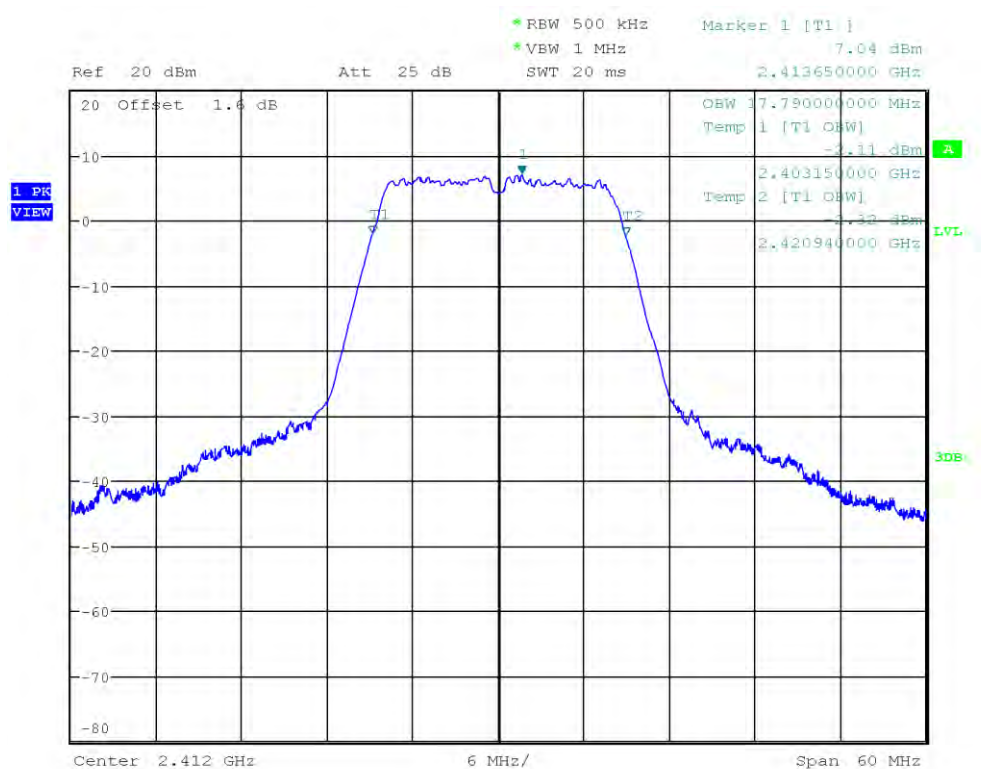
Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Method: ANSI C63.10:2013, Section 6.9.3
 Operational Mode: IEEE 802.11 b, Channel: 11, 2462
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Occupied Bandwidth [MHz]: 13.275



Date: 22.JUN.2023 11:55:18

Occupied Bandwidth

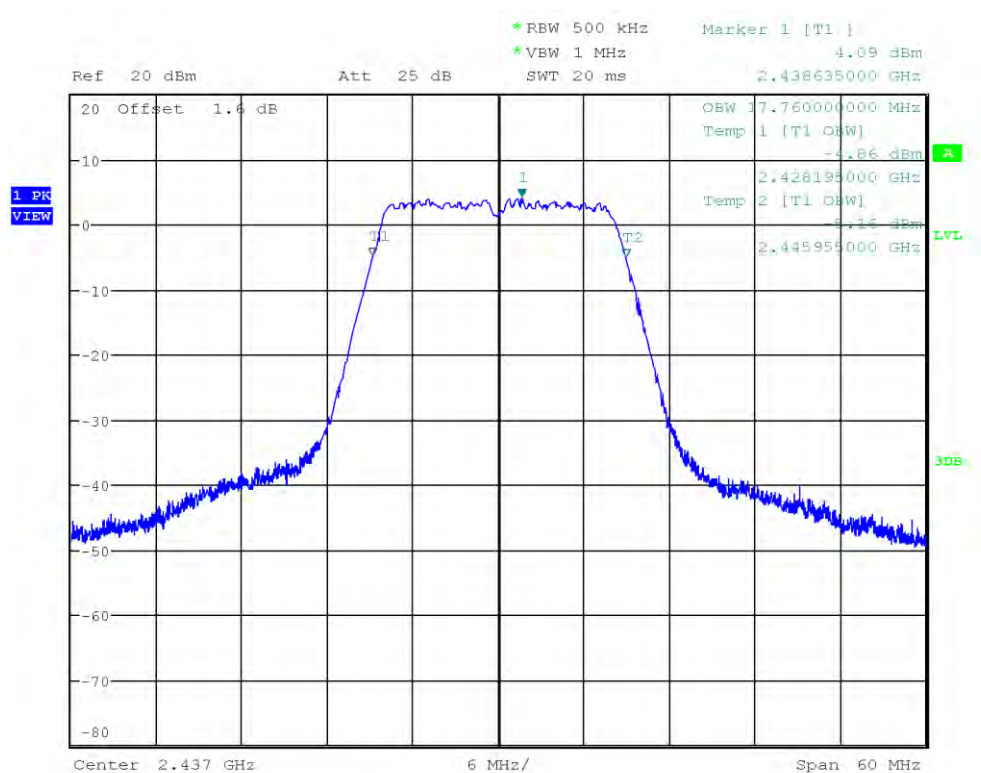
Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Method: ANSI C63.10:2013, Section 6.9.3
 Operational Mode: IEEE 802.11 g, Channel: 1, 2412
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Occupied Bandwidth [MHz]: 17.790



Date: 22.JUN.2023 12:14:03

Occupied Bandwidth

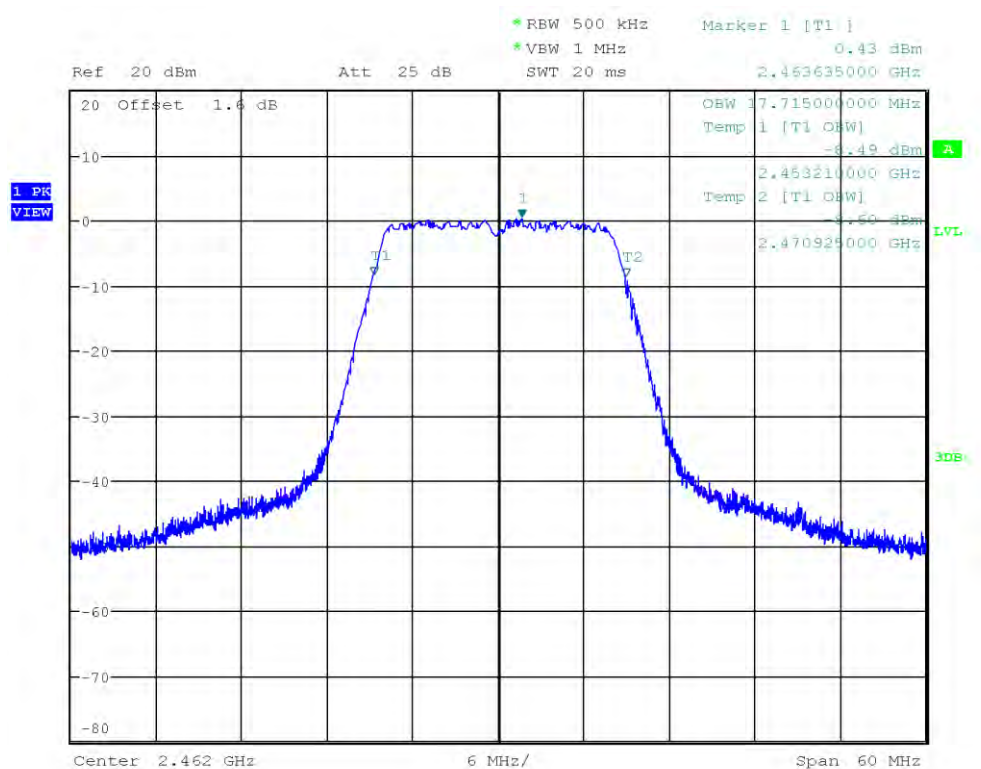
Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Method: ANSI C63.10:2013, Section 6.9.3
 Operational Mode: IEEE 802.11 g, Channel: 6, 2437
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Occupied Bandwidth [MHz]: 17.760



Date: 22.JUN.2023 12:16:24

Occupied Bandwidth

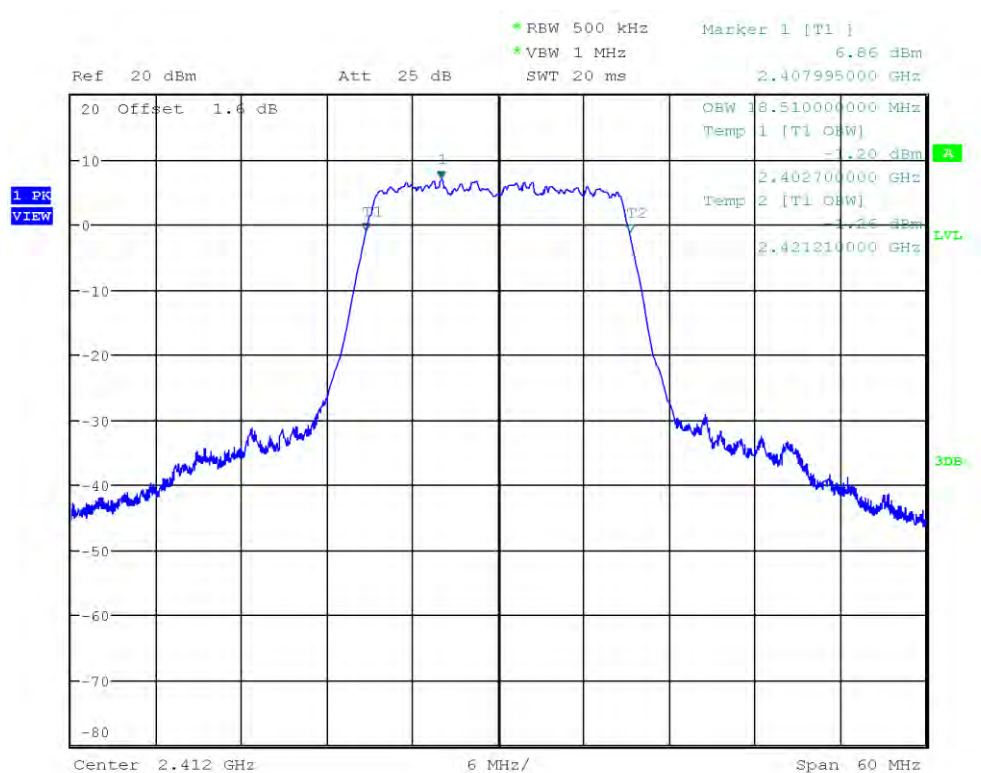
Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Method: ANSI C63.10:2013, Section 6.9.3
 Operational Mode: IEEE 802.11 g, Channel: 11, 2462
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Occupied Bandwidth [MHz]: 17.715



Date: 22.JUN.2023 12:17:30

Occupied Bandwidth

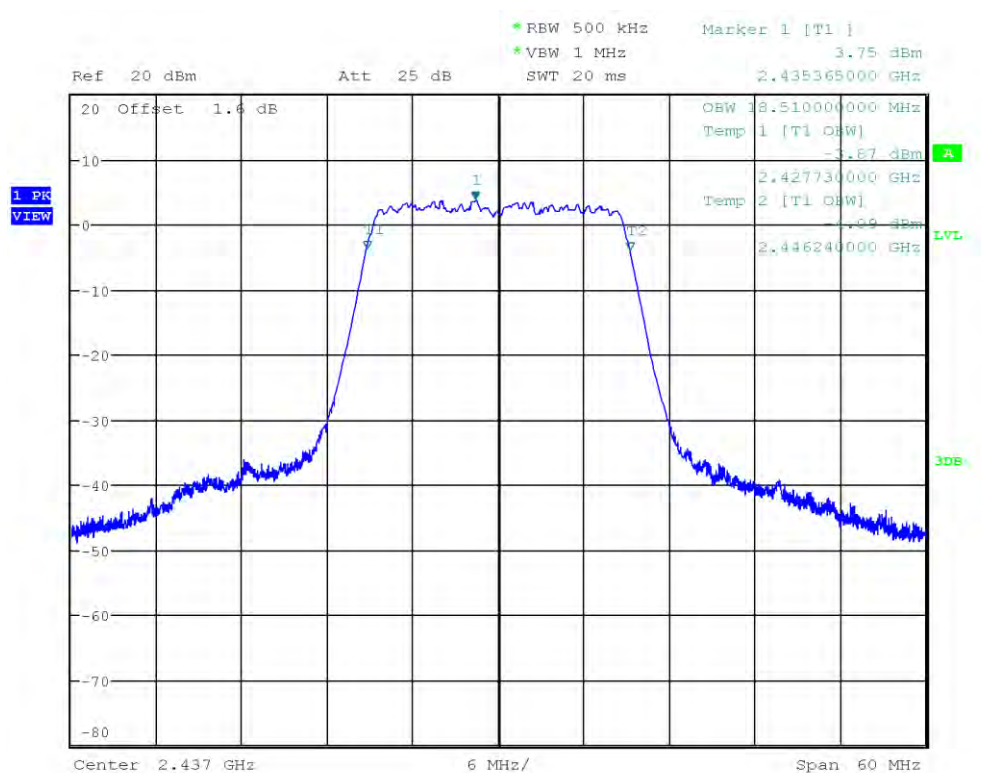
Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Method: ANSI C63.10:2013, Section 6.9.3
 Operational Mode: IEEE 802.11 n HT20, Channel: 1, 2412
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Occupied Bandwidth [MHz]: 18.510



Date: 22.JUN.2023 12:23:36

Occupied Bandwidth

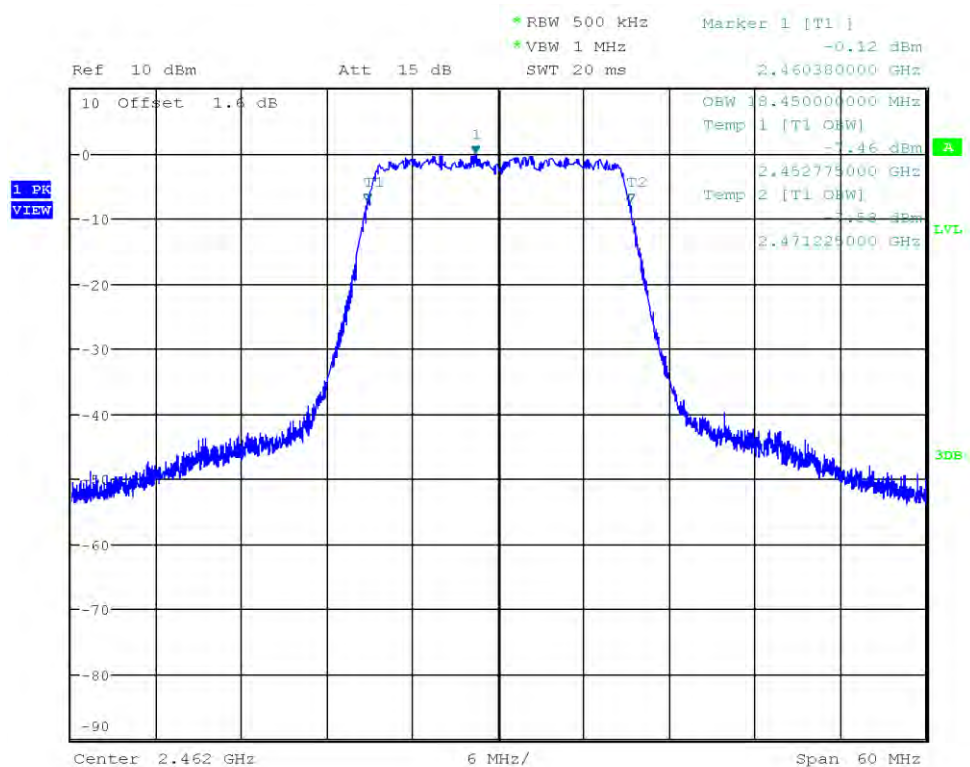
Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Method: ANSI C63.10:2013, Section 6.9.3
 Operational Mode: IEEE 802.11 n HT20, Channel: 6, 2437
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Occupied Bandwidth [MHz]: 18.510



Date: 22.JUN.2023 12:25:17

Occupied Bandwidth

Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Method: ANSI C63.10:2013, Section 6.9.3
 Operational Mode: IEEE 802.11 n HT20, Channel: 11, 2462
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Occupied Bandwidth [MHz]: 18.450



Date: 22.JUN.2023 12:26:49

3.2 Test Conditions and Results - 6 dB bandwidth

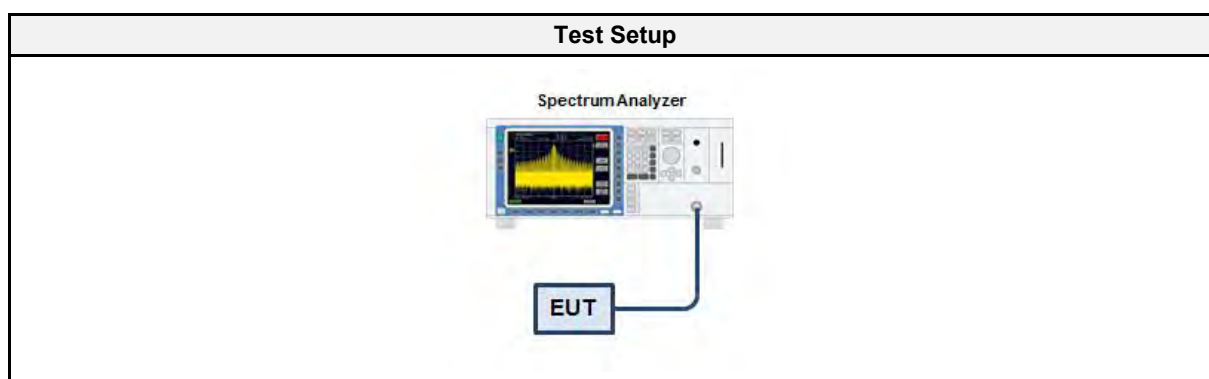
3.2.1 Information

Test Information	
Reference	FCC § 15.247(a)(2); ISED RSS-247, Issue 2 (section 5.2)
Measurement Method	ANSI C63.10 11.8
Measurement Uncertainty	± 1.26 %
Operator	Wilfried Treffke
Date	2023-06-22

3.2.2 Limits

Limits
≥ 500kHz

3.2.3 Setup



3.2.4 Equipment

Test Equipment					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Spectrum Analyser	R&S	FSU 43	EF01631	2022-08	2023-08
Cable	GIGALANE	CAQAB7	EF00779	2023-03	2024-03

3.2.5 Procedure

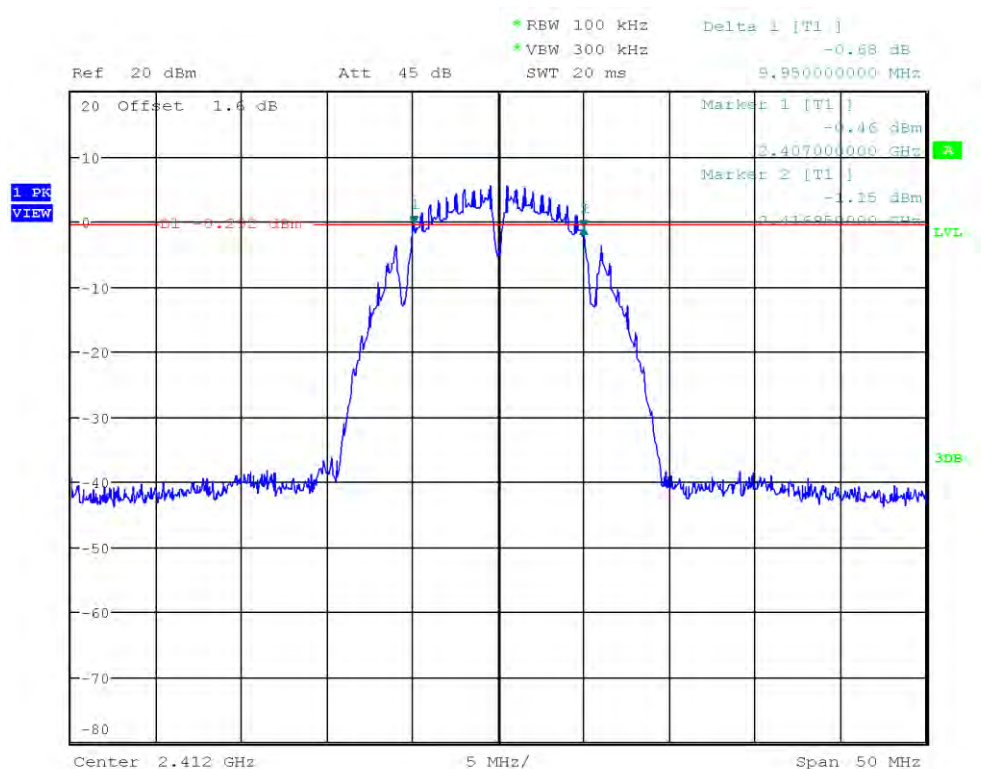
Test Procedure
1. EUT set to test mode 2. Span set to at least twice the emission spectrum 3. Detector set to peak and max hold and RBW is set to 100 kHz 4. Envelope peak value of emission spectrum is selected 5. Marker on envelope of spectrum is set to level of -6 dB to the left of the peak 6. Marker on envelope of spectrum is set to level of -6 dB to the right of the peak 7. 6 dB Bandwidth is determined by marker frequency separation

3.2.6 Results

Test Results				
Mode	Frequency [MHz]	Bandwidth [kHz]	Limit [kHz]	Verdict
DSSS	2412	9950	500	PASS
DSSS	2437	10000	500	PASS
DSSS	2462	10000	500	PASS
OFDM	2412	16300	500	PASS
OFDM	2437	16400	500	PASS
OFDM	2462	16400	500	PASS
HT20	2412	17650	500	PASS
HT20	2437	17650	500	PASS
HT20	2462	17650	500	PASS

DTS (6 dB) Bandwidth

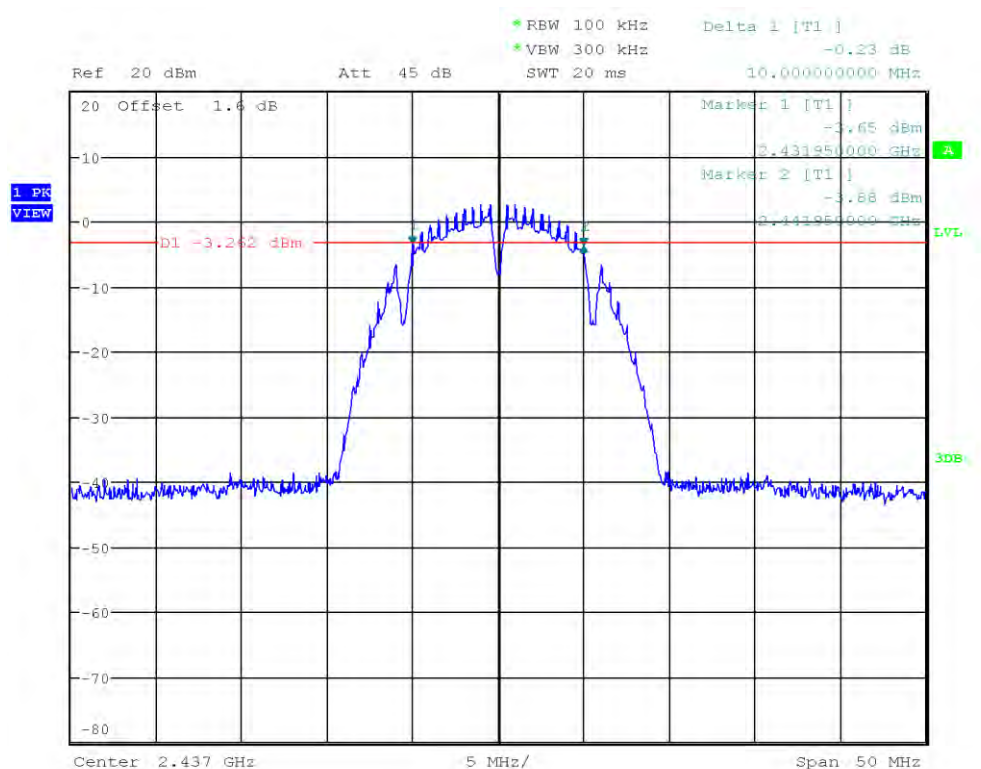
Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Standards: FCC 15.247, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.8.1 Option 1
 Operational Mode: IEEE 802.11 b, Channel: 1, 2412 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Lower Frequency [MHz]: 2407.000
 Upper Frequency [MHz]: 2416.950
 6 dB Bandwidth [kHz]: 9950



Date: 22.JUN.2023 12:31:38

DTS (6 dB) Bandwidth

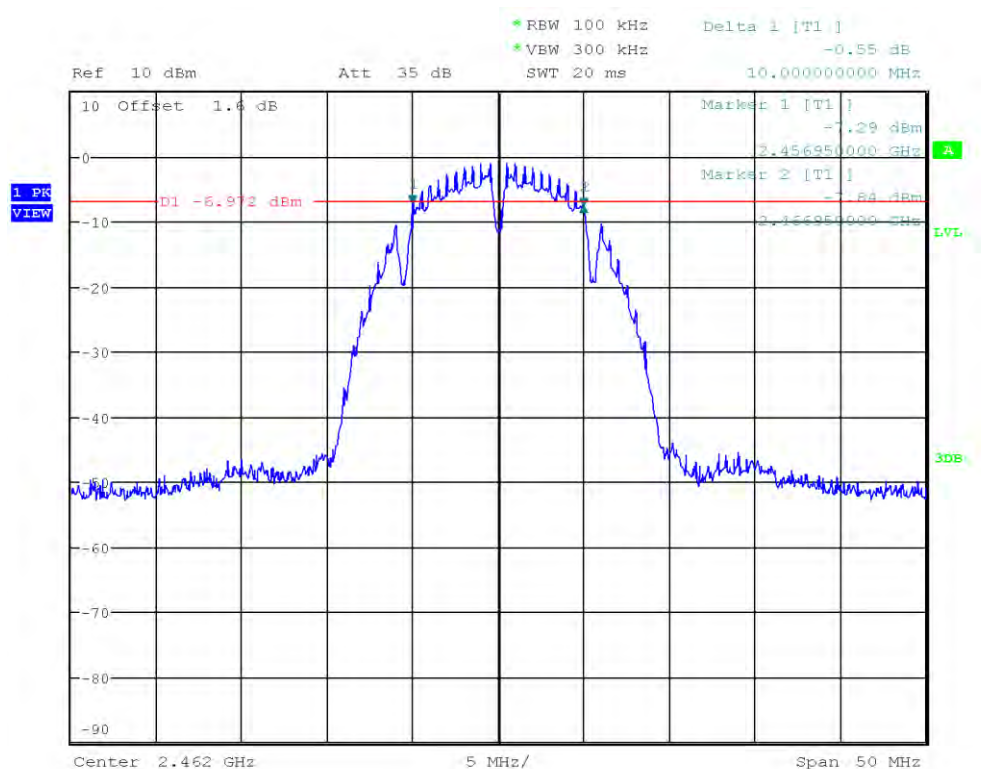
Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Standards: FCC 15.247, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.8.1 Option 1
 Operational Mode: IEEE 802.11 b, Channel: 6, 2437 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Lower Frequency [MHz]: 2431.950
 Upper Frequency [MHz]: 2441.950
 6 dB Bandwidth [kHz]: 10000



Date: 22.JUN.2023 12:32:49

DTS (6 dB) Bandwidth

Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Standards: FCC 15.247, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.8.1 Option 1
 Operational Mode: IEEE 802.11 b, Channel: 11, 2462 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Lower Frequency [MHz]: 2456.950
 Upper Frequency [MHz]: 2466.950
 6 dB Bandwidth [kHz]: 10000



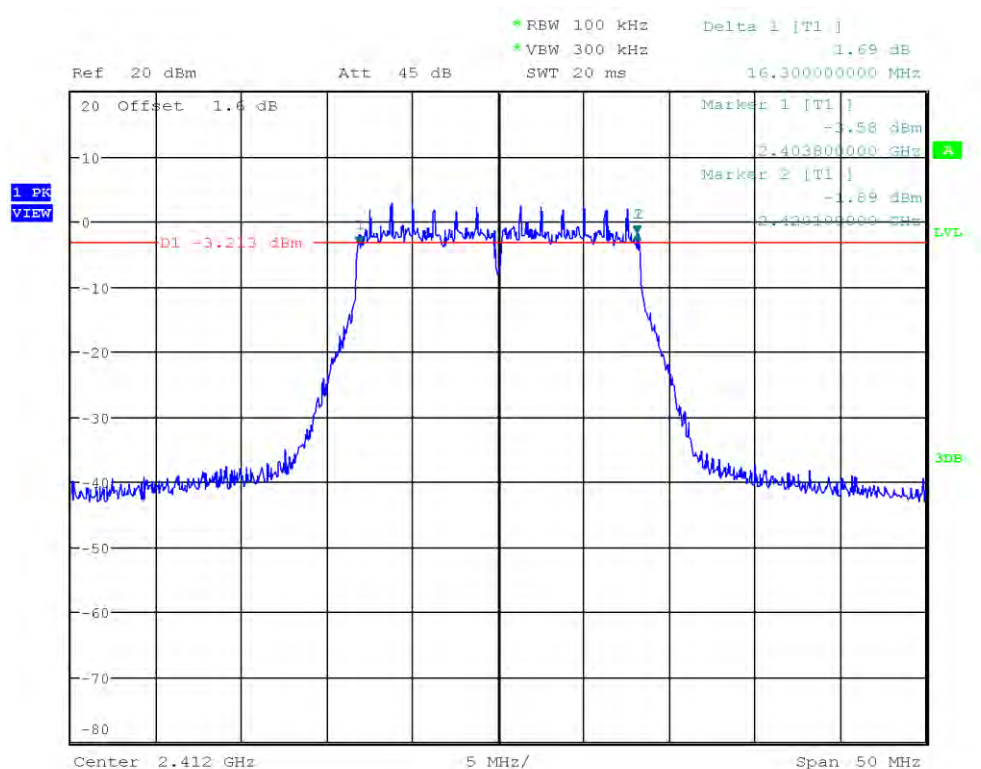
Date: 22.JUN.2023 12:33:41

Test Report No.: G0M-2203-1368-TFC247WF-V01

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

DTS (6 dB) Bandwidth

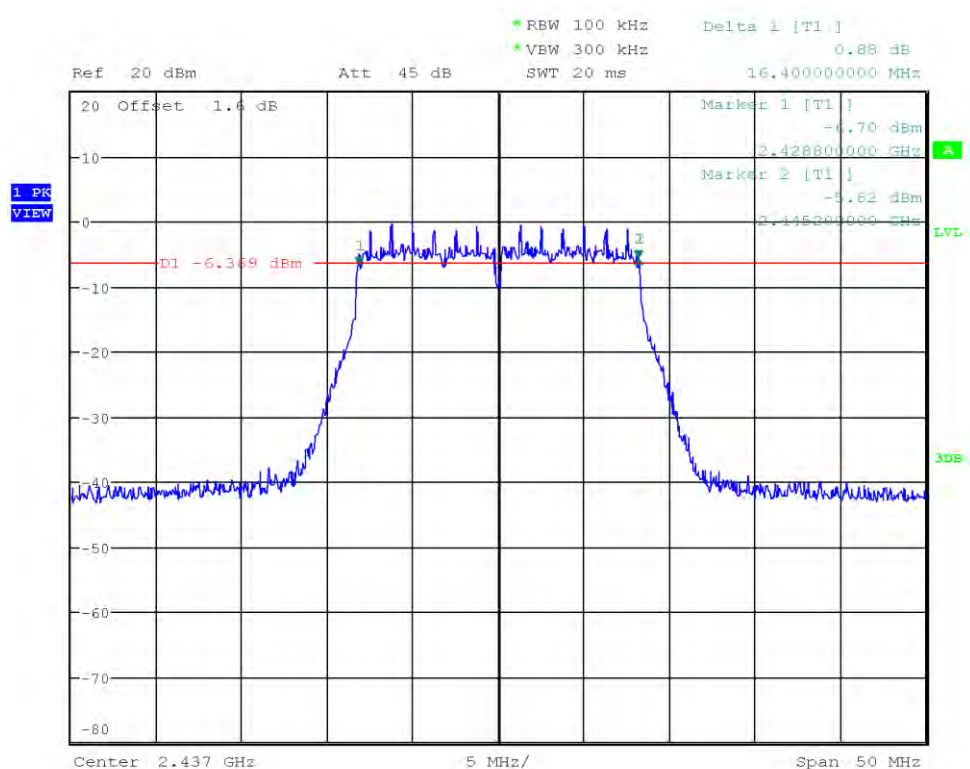
Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Standards: FCC 15.247, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.8.1 Option 1
 Operational Mode: IEEE 802.11 g, Channel: 1, 2412 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Lower Frequency [MHz]: 2403.800
 Upper Frequency [MHz]: 2420.100
 6 dB Bandwidth [kHz]: 16300



Date: 22.JUN.2023 12:36:13

DTS (6 dB) Bandwidth

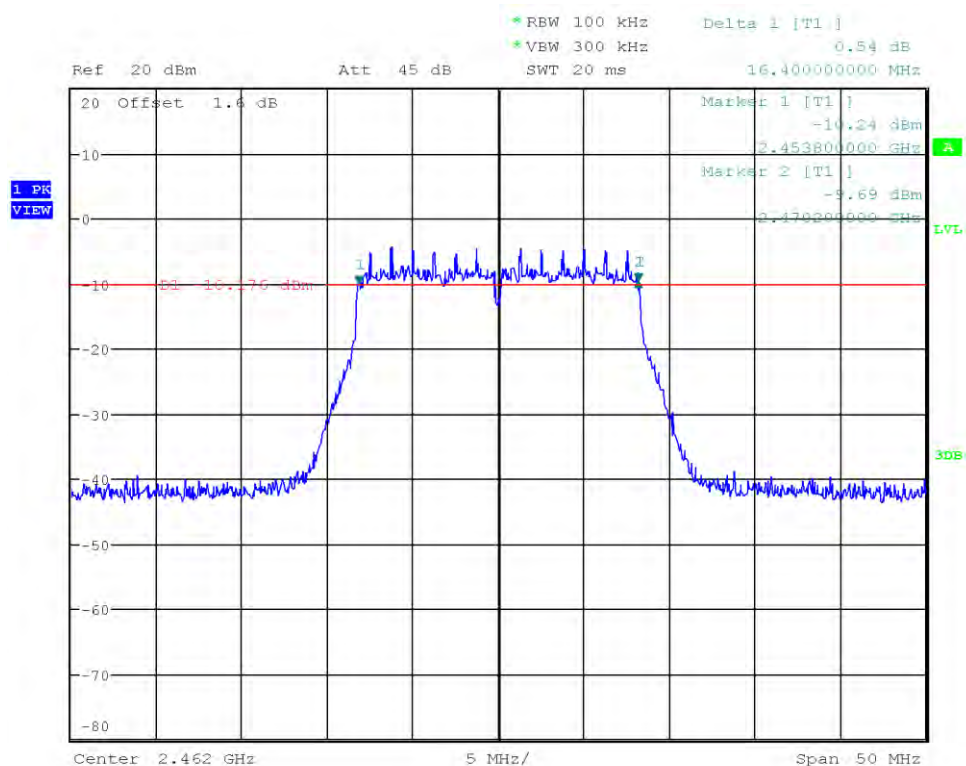
Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Standards: FCC 15.247, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.8.1 Option 1
 Operational Mode: IEEE 802.11 g, Channel: 6, 2437 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Lower Frequency [MHz]: 2428.800
 Upper Frequency [MHz]: 2445.200
 6 dB Bandwidth [kHz]: 16400



Date: 22.JUN.2023 12:37:22

DTS (6 dB) Bandwidth

Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Standards: FCC 15.247, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.8.1 Option 1
 Operational Mode: IEEE 802.11 g, Channel: 11, 2462 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Lower Frequency [MHz]: 2453.800
 Upper Frequency [MHz]: 2470.200
 6 dB Bandwidth [kHz]: 16400



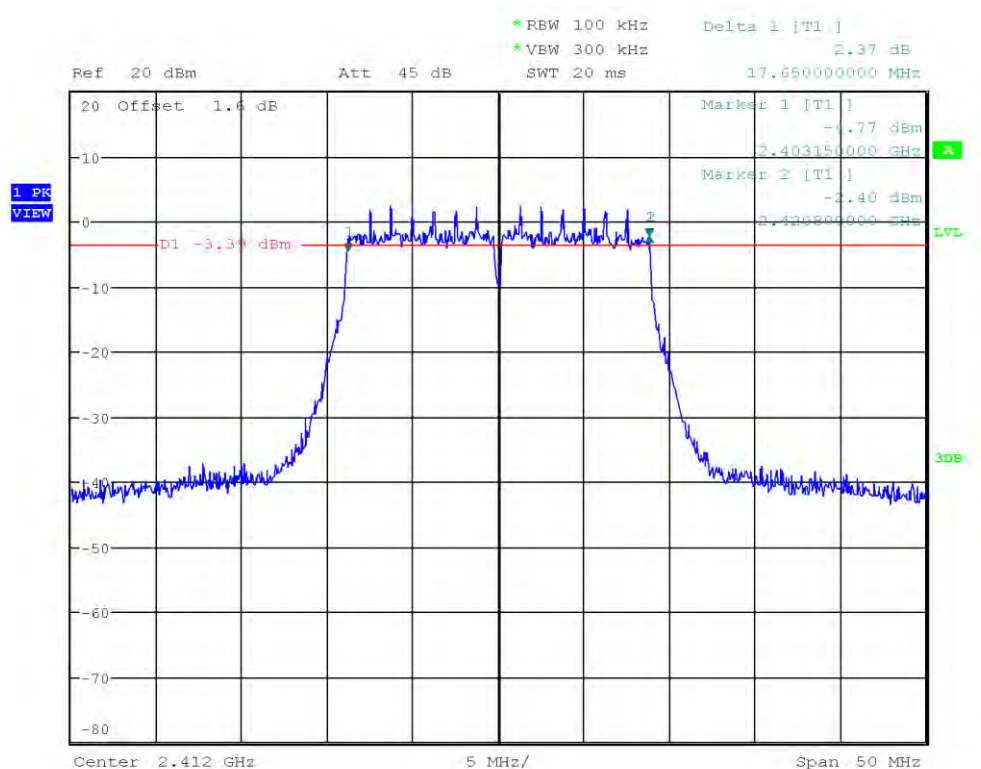
Date: 22.JUN.2023 12:38:14

Test Report No.: G0M-2203-1368-TFC247WF-V01

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

DTS (6 dB) Bandwidth

Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Standards: FCC 15.247, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.8.1 Option 1
 Operational Mode: IEEE 802.11 n HT20, Channel: 1, 2412 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Lower Frequency [MHz]: 2403.150
 Upper Frequency [MHz]: 2420.800
 6 dB Bandwidth [kHz]: 17650



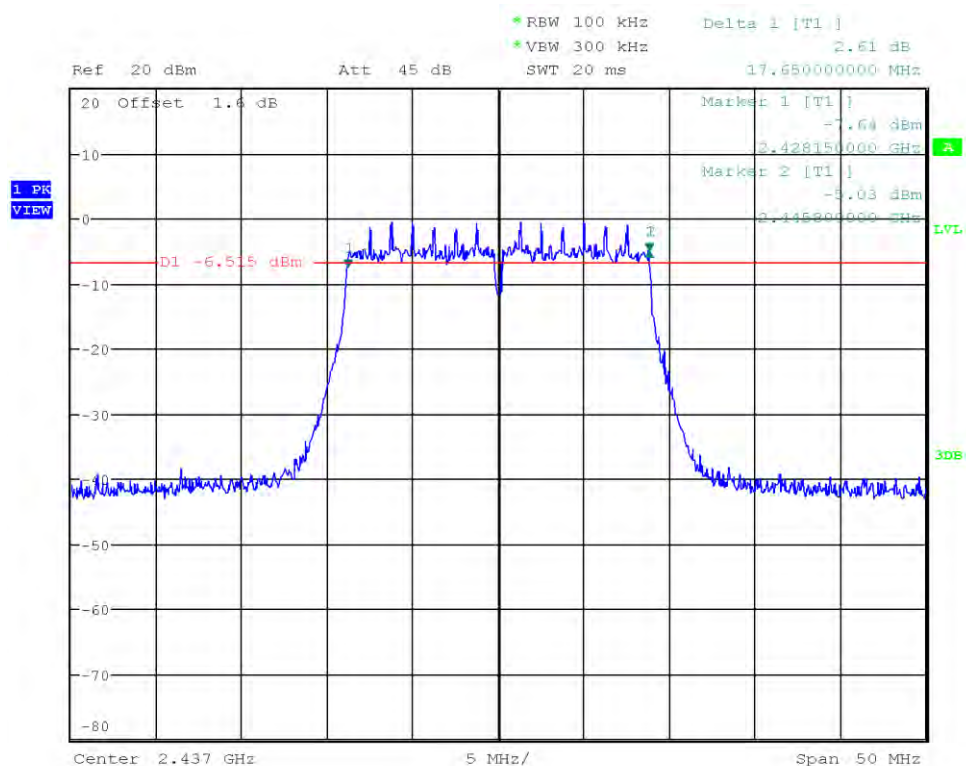
Date: 22.JUN.2023 12:39:29

Test Report No.: G0M-2203-1368-TFC247WF-V01

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

DTS (6 dB) Bandwidth

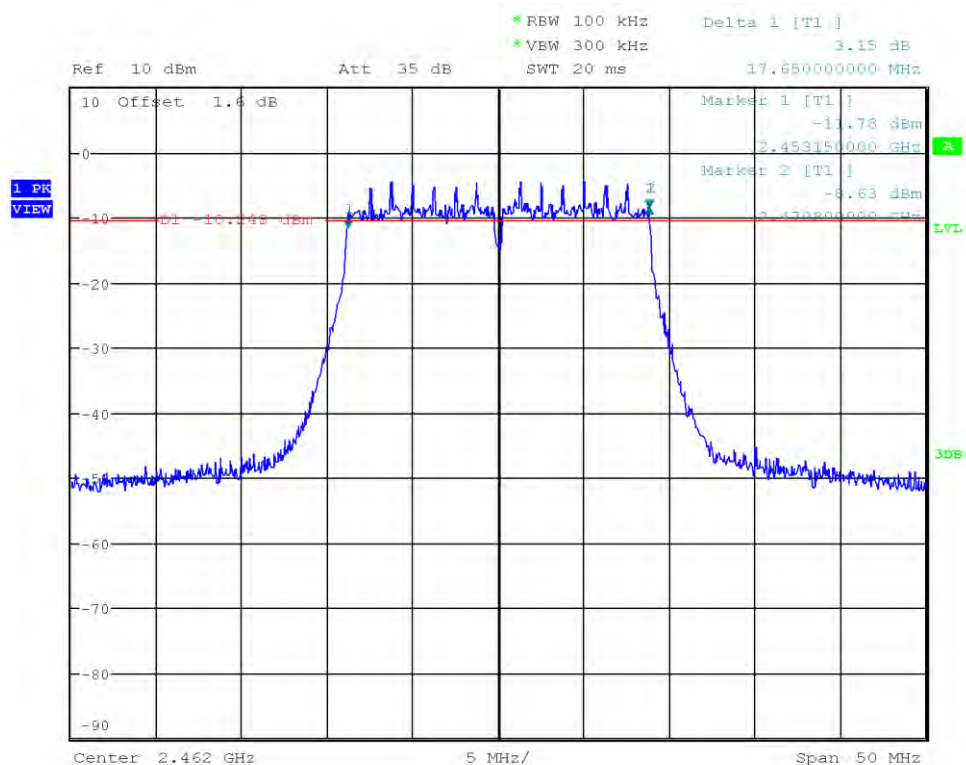
Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Standards: FCC 15.247, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.8.1 Option 1
 Operational Mode: IEEE 802.11 n HT20, Channel: 6, 2437 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Lower Frequency [MHz]: 2428.150
 Upper Frequency [MHz]: 2445.800
 6 dB Bandwidth [kHz]: 17650



Date: 22.JUN.2023 12:40:29

DTS (6 dB) Bandwidth

Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Standards: FCC 15.247, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.8.1 Option 1
 Operational Mode: IEEE 802.11 n HT20, Channel: 11, 2462 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Lower Frequency [MHz]: 2453.150
 Upper Frequency [MHz]: 2470.800
 6 dB Bandwidth [kHz]: 17650



Date: 22.JUN.2023 12:41:21

3.3 Test Conditions and Results - Maximum peak conducted output power

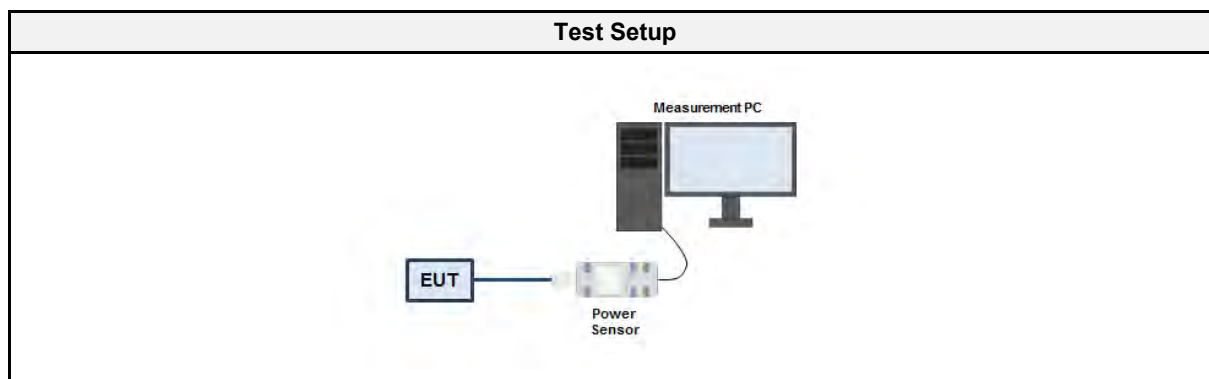
3.3.1 Information

Test Information	
Reference	FCC § 15.247(b); ISSED RSS-247, Issue 2 (section 5.4)
Measurement Method	ANSI C63.10 11.9.1
Measurement Uncertainty	± 2.86 dB
Operator	Wilfried Treffke
Date	2023-06-22

3.3.2 Limits

Limits
1 W (30 dBm)
The conducted output power limit specified above is based on the use of antennas with directional gains that do not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in the table, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.3.3 Setup



3.3.4 Equipment

Test Equipment					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Power Sensor	R&S	NRP-Z81	EF00830	2022-09	2023-09

3.3.5 Procedure

Test Procedure
1. EUT set to test mode (Communication tester is used if needed) 2. The EUT antenna port is connected to a wideband power sensor 3. The peak power is measured with the power sensor 4. If the EUT has more than one transmit chain the procedure is repeated for each transmit chain and the power is summed up

3.3.6 Results

Test Results - DSSS				
Channel [MHz]	Power [dBm]	Power [W]	Limit [W]	Verdict
2412	18.3	0.0676	1.0	PASS
2437	15.4	0.0347	1.0	PASS
2462	11.8	0.0151	1.0	PASS

Test Results - OFDM				
Channel [MHz]	Power [dBm]	Power [W]	Limit [W]	Verdict
2412	21.3	0.1349	1.0	PASS
2437	19.6	0.0912	1.0	PASS
2462	18.3	0.0676	1.0	PASS

Test Results - HT20				
Channel [MHz]	Power [dBm]	Power [W]	Limit [W]	Verdict
2412	21.4	0.1380	1.0	PASS
2437	20.0	0.1000	1.0	PASS
2462	17.4	0.0550	1.0	PASS

3.4 Test Conditions and Results - Power spectral density

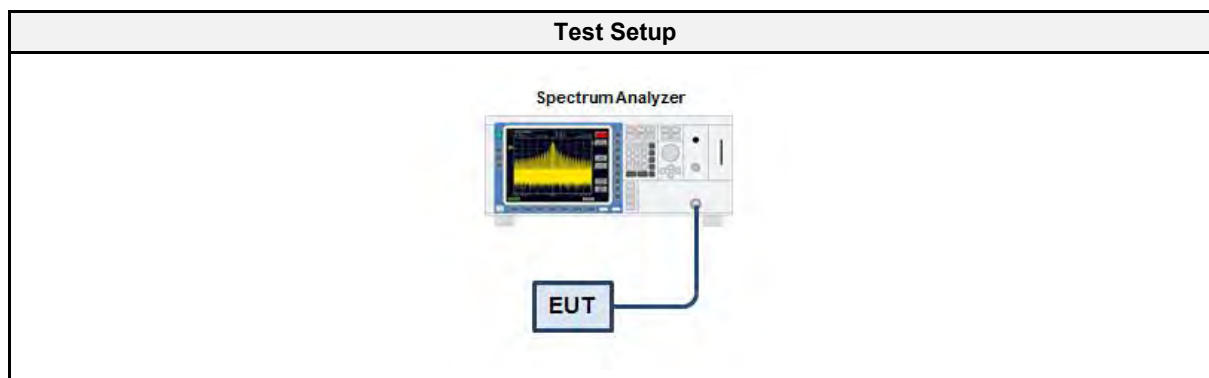
3.4.1 Information

Test Information	
Reference	FCC § 15.247(e); ISSED RSS-247, Issue 2 (section 5.2)
Measurement Method	ANSI C63.10 11.10.2, 14.3.2
Measurement Uncertainty	± 2.86 dB
Operator	Wilfried Treffke
Date	2023-06-22

3.4.2 Limits

Limits
8 dBm / 3 kHz

3.4.3 Setup



3.4.4 Equipment

Test Equipment					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Spectrum Analyser	R&S	FSU 43	EF01631	2022-08	2023-08
Cable	GIGALANE	CAQAB7	EF00779	2023-03	2024-03

3.4.5 Procedure

Test Procedure
1. EUT set to test mode 2. The analyzer is set to DTS channel center frequency with a span of 1.5 times the DTS bandwidth 3. The RBW is set to 100 kHz with VBW ≥ RBW and the detector is set to peak with max hold 4. After the trace has stabilized a marker is set to the envelope maximum 5. If the power spectral density is above the limit the RBW is reduced (not lower than 3 kHz) and the measurement is repeated 6. If the EUT has more than one transmit chain the procedure is repeated for each transmit chain

3.4.6 Results

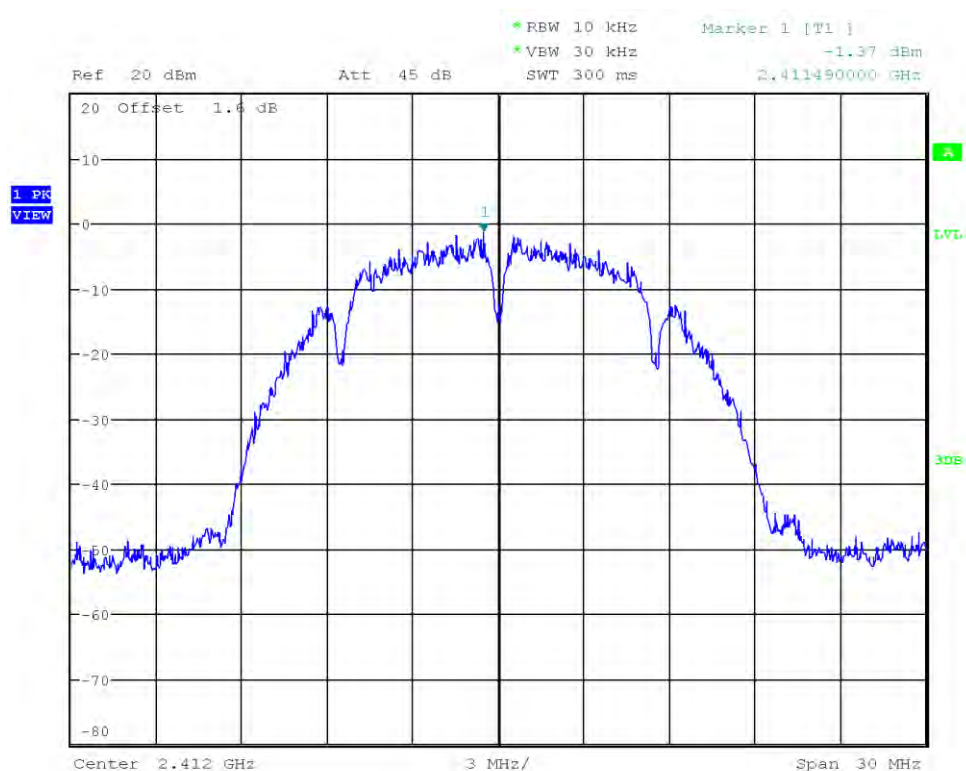
Test Results - DSSS			
Channel [MHz]	PSD [dBm/RBW]	Limit [dBm/3kHz]	Verdict
2412	-1.366	8.0	PASS
2437	-1.266	8.0	PASS
2462	-1.690	8.0	PASS
RBW = 10 kHz			

Test Results - OFDM			
Channel [MHz]	PSD [dBm/RBW]	Limit [dBm/3kHz]	Verdict
2412	0.029	8.0	PASS
2437	0.232	8.0	PASS
2462	0.008	8.0	PASS
RBW = 30 kHz			

Test Results - HT20			
Channel [MHz]	PSD [dBm/RBW]	Limit [dBm/3kHz]	Verdict
2412	-0.196	8.0	PASS
2437	-0.278	8.0	PASS
2462	-0.260	8.0	PASS
RBW = 30 kHz			

Peak Power Spectral Density

Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Standards: FCC 15.247, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.10.2
 Operational Mode: IEEE 802.11 b, Channel: 1, 2412 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Peak Frequency [MHz]: 2411.490
 Spectral Density [dBm/RBW]: -1.366
 Resolution Bandwidth [kHz]: 10 kHz



Date: 22.JUN.2023 14:20:35

Peak Power Spectral Density

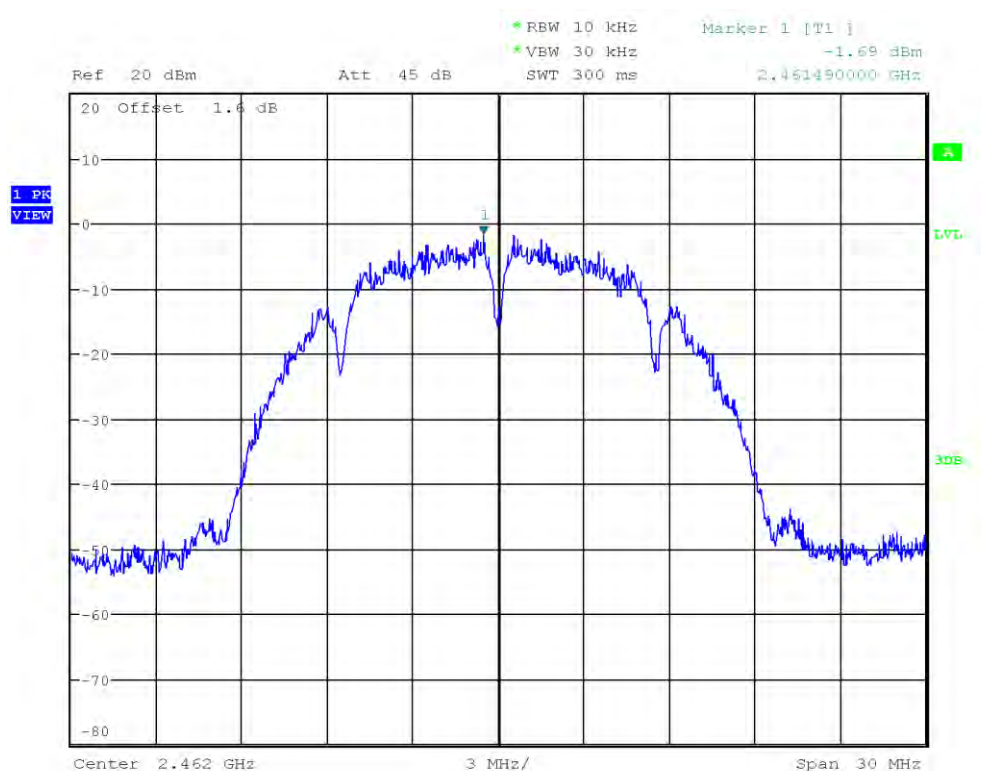
Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Standards: FCC 15.247, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.10.2
 Operational Mode: IEEE 802.11 b, Channel: 6, 2437 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Peak Frequency [MHz]: 2436.490
 Spectral Density [dBm/RBW]: -1.266
 Resolution Bandwidth [kHz]: 10 kHz



Date: 22.JUN.2023 14:29:02

Peak Power Spectral Density

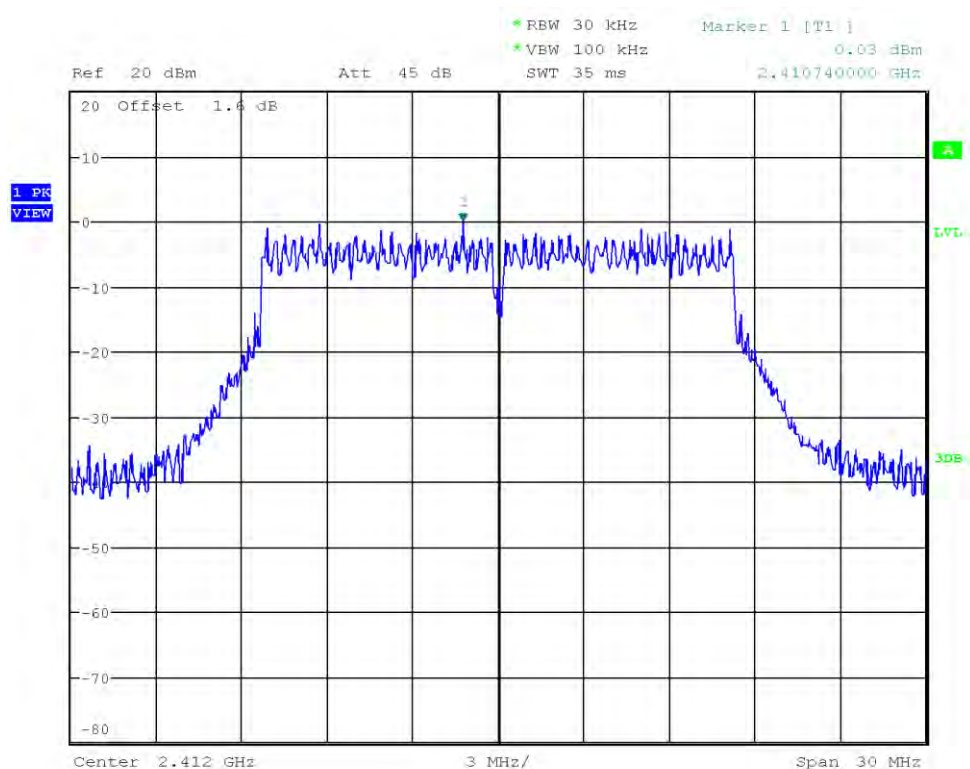
Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Standards: FCC 15.247, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.10.2
 Operational Mode: IEEE 802.11 b, Channel: 11, 2462 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Peak Frequency [MHz]: 2461.490
 Spectral Density [dBm/RBW]: -1.690
 Resolution Bandwidth [kHz]: 10 kHz



Date: 22.JUN.2023 14:30:42

Peak Power Spectral Density

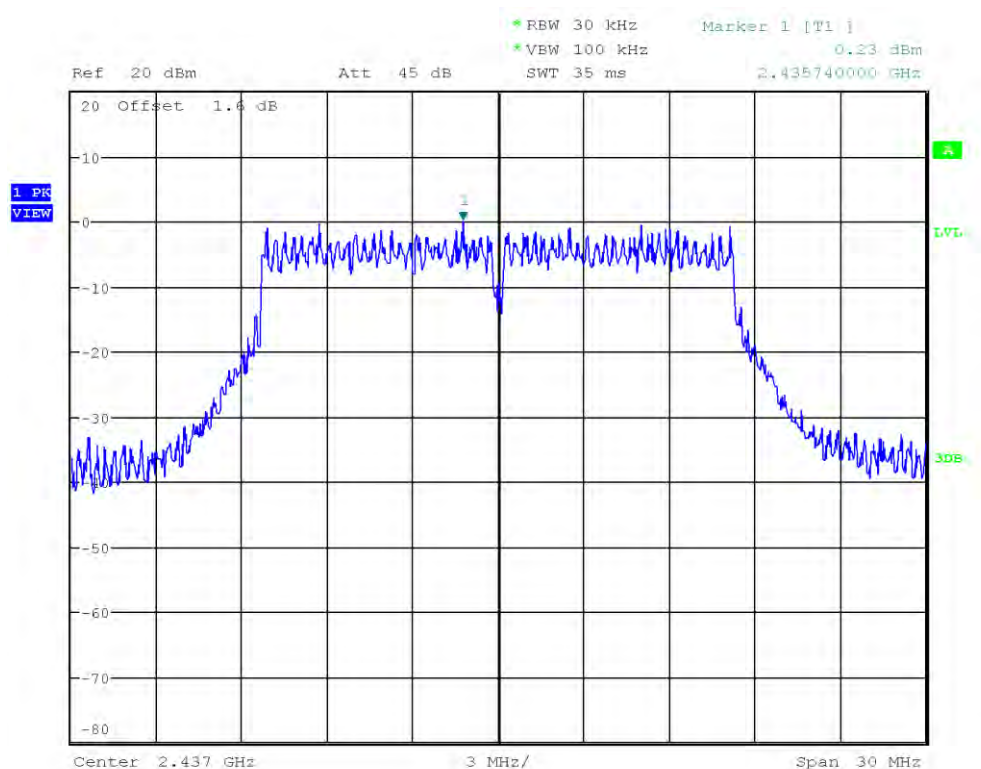
Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Standards: FCC 15.247, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.10.2
 Operational Mode: IEEE 802.11 g, Channel: 1, 2412 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Peak Frequency [MHz]: 2410.740
 Spectral Density [dBm/RBW]: 0.029
 Resolution Bandwidth [kHz]: 30 kHz



Date: 22.JUN.2023 14:31:55

Peak Power Spectral Density

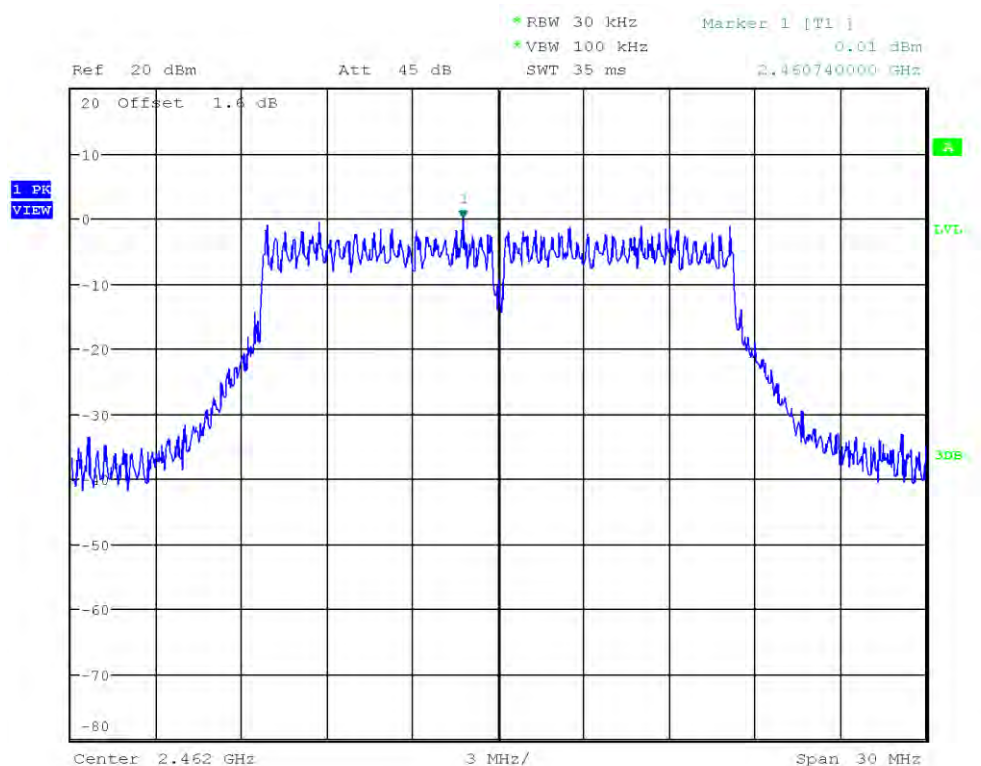
Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Standards: FCC 15.247, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.10.2
 Operational Mode: IEEE 802.11 g, Channel: 6, 2437 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Peak Frequency [MHz]: 2435.740
 Spectral Density [dBm/RBW]: 0.232
 Resolution Bandwidth [kHz]: 30 kHz



Date: 22.JUN.2023 14:34:15

Peak Power Spectral Density

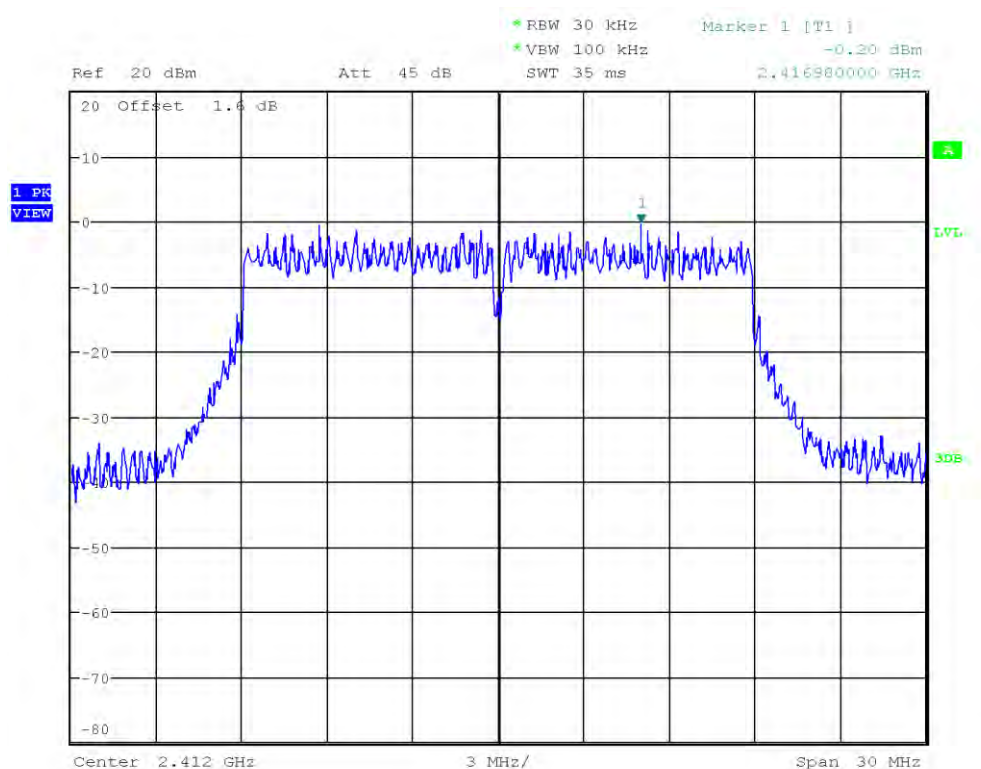
Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Standards: FCC 15.247, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.10.2
 Operational Mode: IEEE 802.11 g, Channel: 11, 2462 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Peak Frequency [MHz]: 2460.740
 Spectral Density [dBm/RBW]: 0.008
 Resolution Bandwidth [kHz]: 30 kHz



Date: 22.JUN.2023 14:35:21

Peak Power Spectral Density

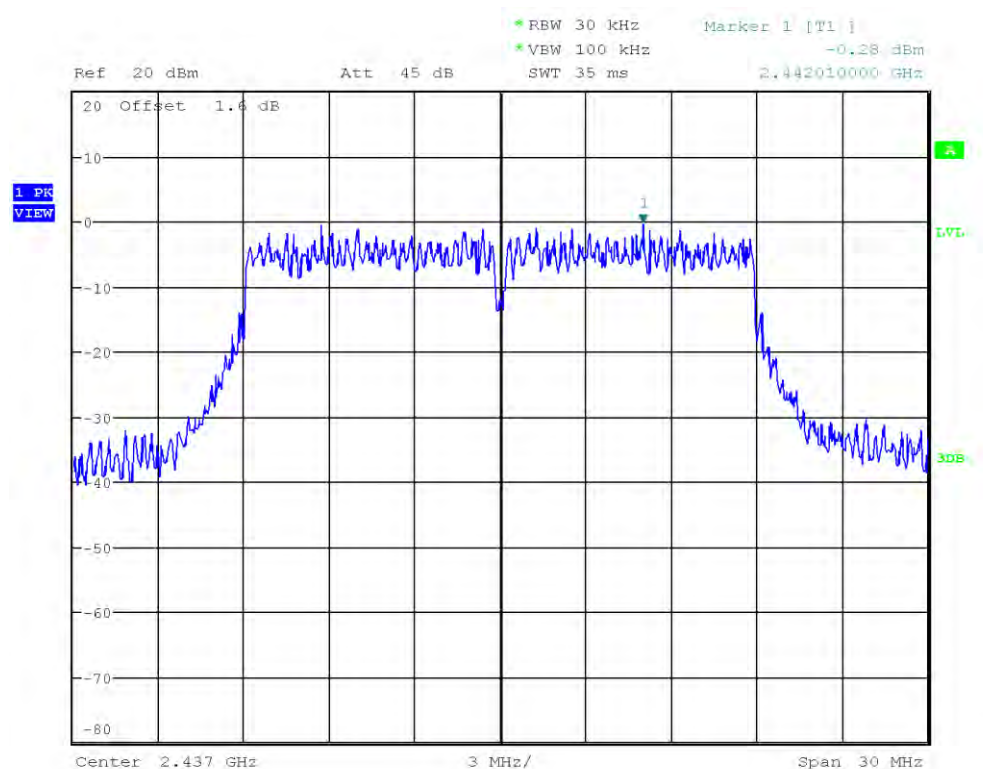
Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Standards: FCC 15.247, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.10.2
 Operational Mode: IEEE 802.11 n HT20, Channel: 1, 2412 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Peak Frequency [MHz]: 2416.980
 Spectral Density [dBm/RBW]: -0.196
 Resolution Bandwidth [kHz]: 30 kHz



Date: 22.JUN.2023 14:37:00

Peak Power Spectral Density

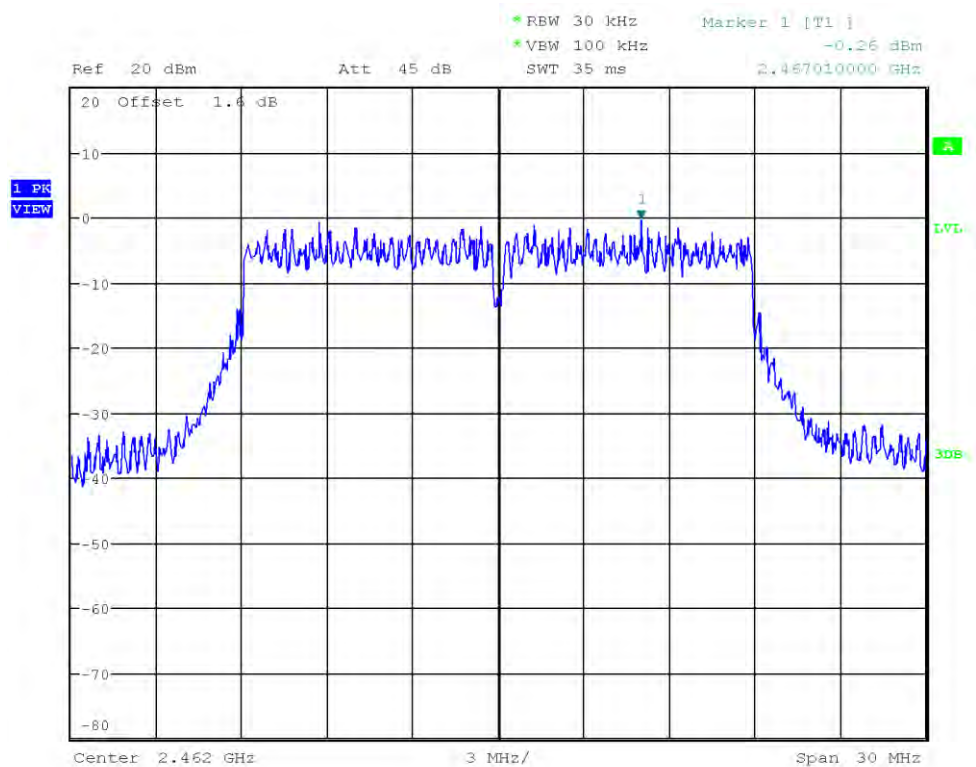
Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Standards: FCC 15.247, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.10.2
 Operational Mode: IEEE 802.11 n HT20, Channel: 6, 2437 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Peak Frequency [MHz]: 2442.010
 Spectral Density [dBm/RBW]: -0.278
 Resolution Bandwidth [kHz]: 30 kHz



Date: 22.JUN.2023 14:37:59

Peak Power Spectral Density

Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Standards: FCC 15.247, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.10.2
 Operational Mode: IEEE 802.11 n HT20, Channel: 11, 2462 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Peak Frequency [MHz]: 2467.010
 Spectral Density [dBm/RBW]: -0.260
 Resolution Bandwidth [kHz]: 30 kHz



Date: 22.JUN.2023 14:38:55

3.5 Test Conditions and Results - AC powerline conducted emissions

3.5.1 Information

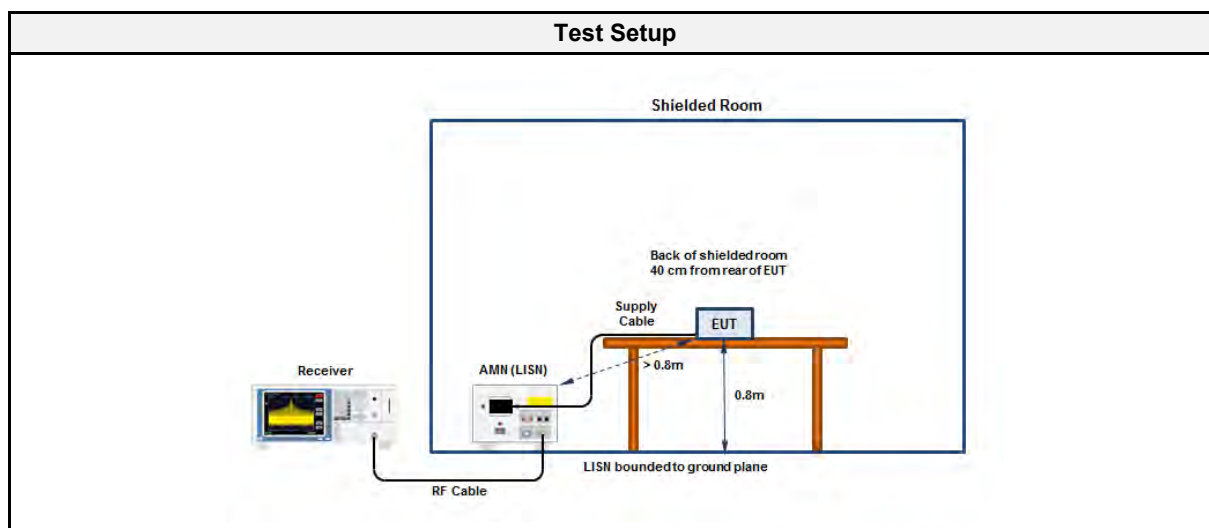
Test Information	
Reference	FCC § 15.207
Measurement Method	ANSI C63.10 6.2
Measurement Uncertainty	± 3.82 dB
Operator	Odai Qawasmeh
Date	2022-03-29

3.5.2 Limits

Limits		
Frequency [MHz]	Quasi-Peak [dBµV]	Average [dBµV]
0.15 - 0.5	66 - 56*	56 - 46*
0.5 - 5	56	46
5 - 30	60	50

* Limit decreases linearly with the logarithm of the frequency

3.5.3 Setup

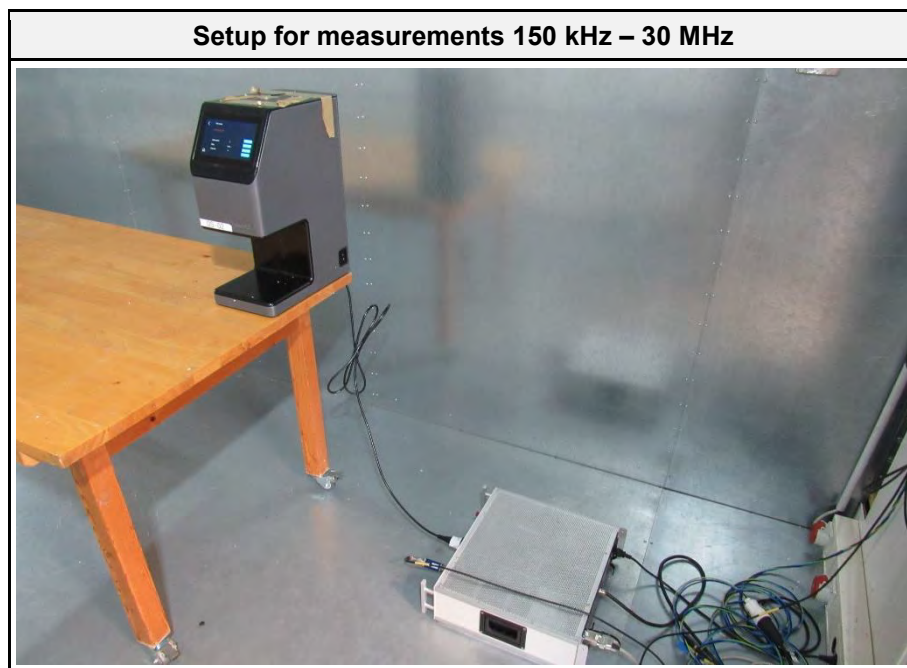


3.5.4 Equipment

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

Test Equipment					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
EMI Test Receiver	R&S	ESR7	EF00943	2021-08	2022-08
Pulse Limiter	R&S	ESH3-Z2	EF01222	2021-07	2022-07
LISN	Schwarzbeck	NSLK 8127 RC	EF01592	2021-07	2022-07

3.5.5 Setup Photos

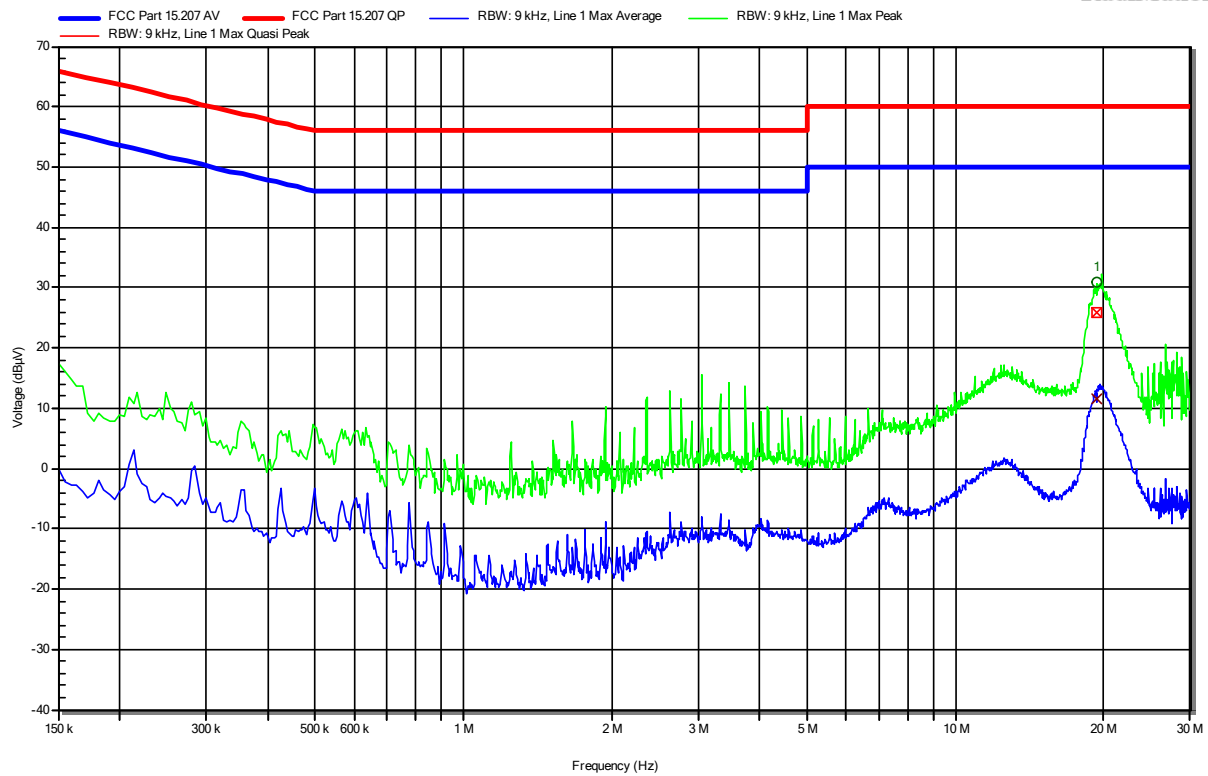


Conducted emissions at the mains power port according to FCC 47 CFR 15.247

Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 39285 (Serial Number 0S-02)
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Test Date: 2022-03-29
 Operating Conditions: ambient temperature: 20 °Celsius
 power input: 120 VAC
 LISN: Schwarzbeck NSLK 8127 RC L
 Operational Mode: IEEE802.11g; 2437 MHz, 6 Mbit/s
 EUT Configuration:
 Applied to Port: Mains
 Note 1:

Index 16

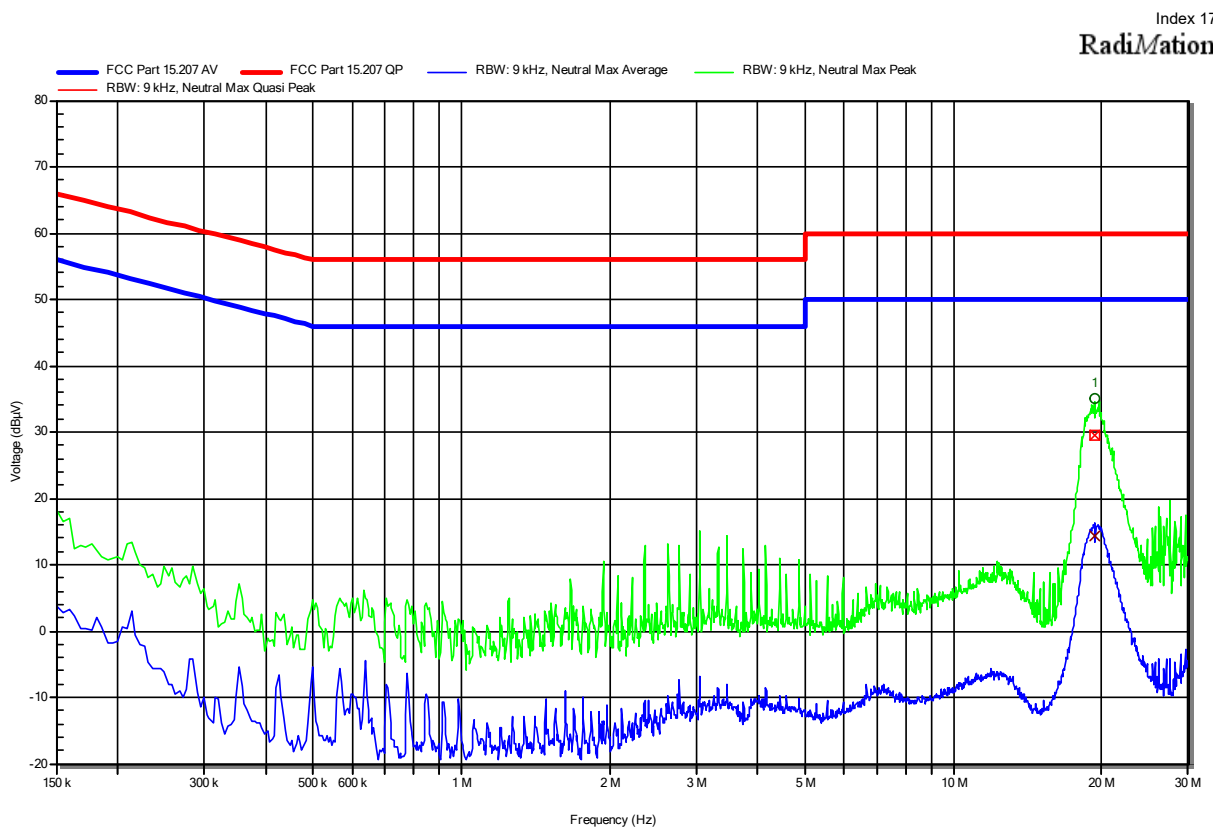
RadiMation



Peak Number	Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	LISN
1	19.338 MHz	25.86 dBµV	60 dBµV	-34.14 dB	Pass	Line 1
Peak Number	Frequency	Average	Average Limit	Average Difference	Average Status	LISN
1	19.338 MHz	11.53 dBµV	50 dBµV	-38.47 dB	Pass	Line 1

Conducted emissions at the mains power port according to FCC 47 CFR 15.247

Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 39285 (Serial Number 0S-02)
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Test Date: 2022-03-29
 Operating Conditions: ambient temperature: 20 °Celsius
 power input: 120 VAC
 LISN: Schwarzbeck NSLK 8127 RC N
 Operational Mode: IEEE802.11g; 2437 MHz, 6 Mbit/s
 EUT Configuration:
 Applied to Port: Mains
 Note 1:



Peak Number	Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	LISN
1	19.379 MHz	29.54 dBµV	60 dBµV	-30.46 dB	Pass	Neutral

Peak Number	Frequency	Average	Average Limit	Average Difference	Average Status	LISN
1	19.379 MHz	14.25 dBµV	50 dBµV	-35.75 dB	Pass	Neutral

3.6 Test Conditions and Results - Band-edge compliance

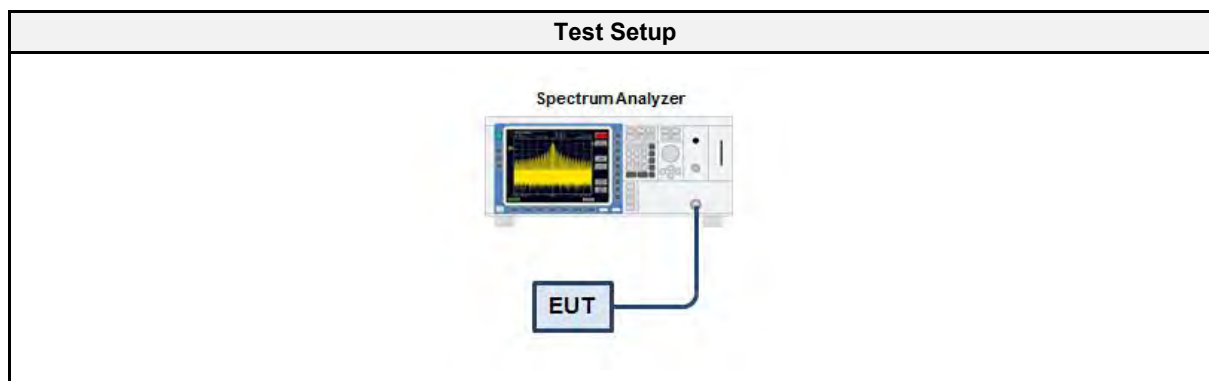
3.6.1 Information

Test Information	
Reference	FCC § 15.247(d); ISED RSS-247, Issue 2 (section 5.5)
Measurement Uncertainty	± 3.64 dB
Measurement Method	ANSI C63.10 11.13
Operator	Wilfried Treffke
Date	2023-06-22

3.6.2 Limits

Limits	
Power Measurement	Out-of-band attenuation [dB]
Peak	20
RMS	30

3.6.3 Setup



3.6.4 Equipment

Test Equipment					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Spectrum Analyser	R&S	FSU 43	EF01631	2022-08	2023-08
Cable	GIGALANE	CAQAB7	EF00779	2023-03	2024-03

3.6.5 Procedure

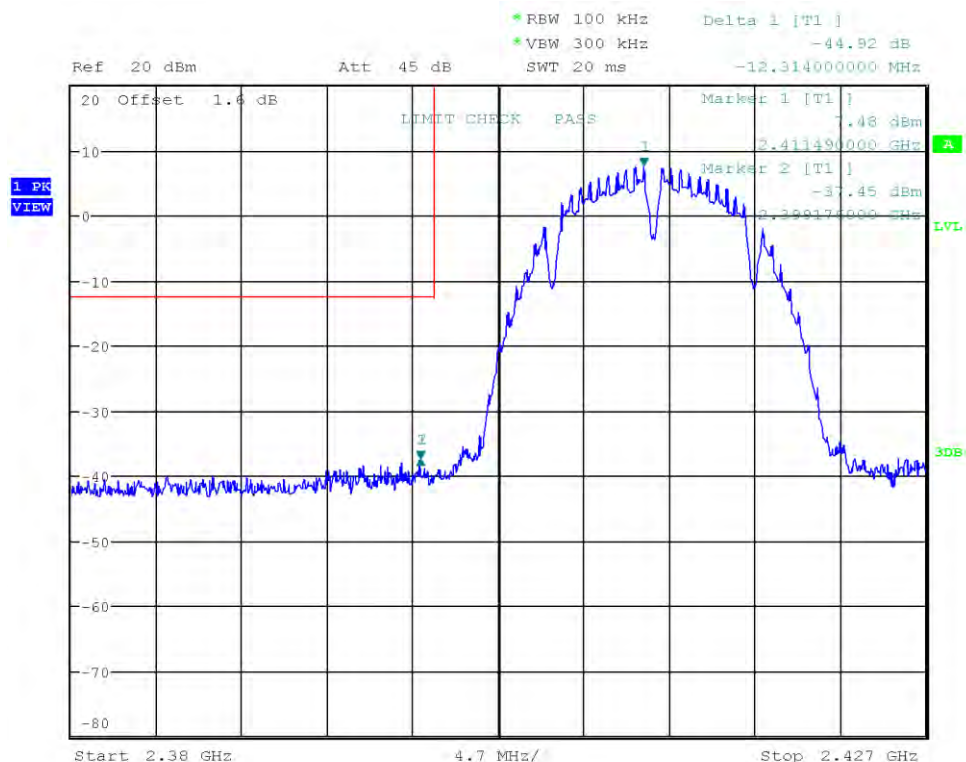
Test Procedure
1. EUT set to test mode (Communication tester is used if needed) 2. Span set around lower band edge and detector is set to peak and max hold 3. Resolution bandwidth is set to 100 kHz 4. Markers are set to peak emission levels within frequency band and outside frequency band 5. Band edge attenuation is determined from level difference

3.6.6 Results

Test Results				
Mode	Channel [MHz]	Out-of-band Attenuation [dB]	Limit [dB]	Verdict
DSSS	2412	-44.92	-20	PASS
DSSS	2462	-46.31	-20	PASS
OFDM	2412	-32.90	-20	PASS
OFDM	2462	-40.76	-20	PASS
HT20	2412	-32.08	-20	PASS
HT20	2462	-36.81	-20	PASS

Emissions in nonrestricted frequency bands at the Band-edge

Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Standards: FCC 15.247, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.11
 Operational Mode: IEEE 802.11 b, Channel: 1, 2412 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Band-edge: Lower
 In-band Frequency [MHz]: 2411.49
 Max. in-band Level [dBm/100 kHz]: 7.478
 Out-of-band Frequency [MHz]: 2399.176
 Max. out-of-band Level [dBm/100 kHz]: -37.446
 Attenuation [dB]: -44.92



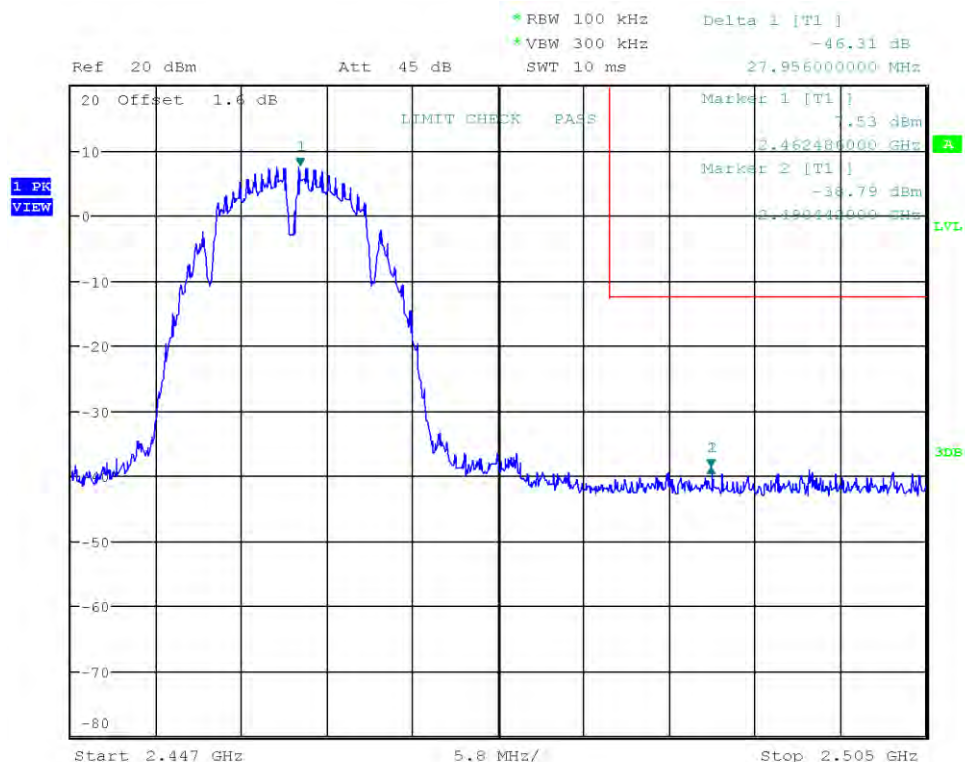
Date: 22.JUN.2023 14:52:40

Test Report No.: G0M-2203-1368-TFC247WF-V01

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

Emissions in nonrestricted frequency bands at the Band-edge

Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Standards: FCC 15.247, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.11
 Operational Mode: IEEE 802.11 b, Channel: 11, 2462 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Band-edge: Upper
 In-band Frequency [MHz]: 2462.486
 Max. in-band Level [dBm/100 kHz]: 7.528
 Out-of-band Frequency [MHz]: 2490.442
 Max. out-of-band Level [dBm/100 kHz]: -38.787
 Attenuation [dB]: -46.31



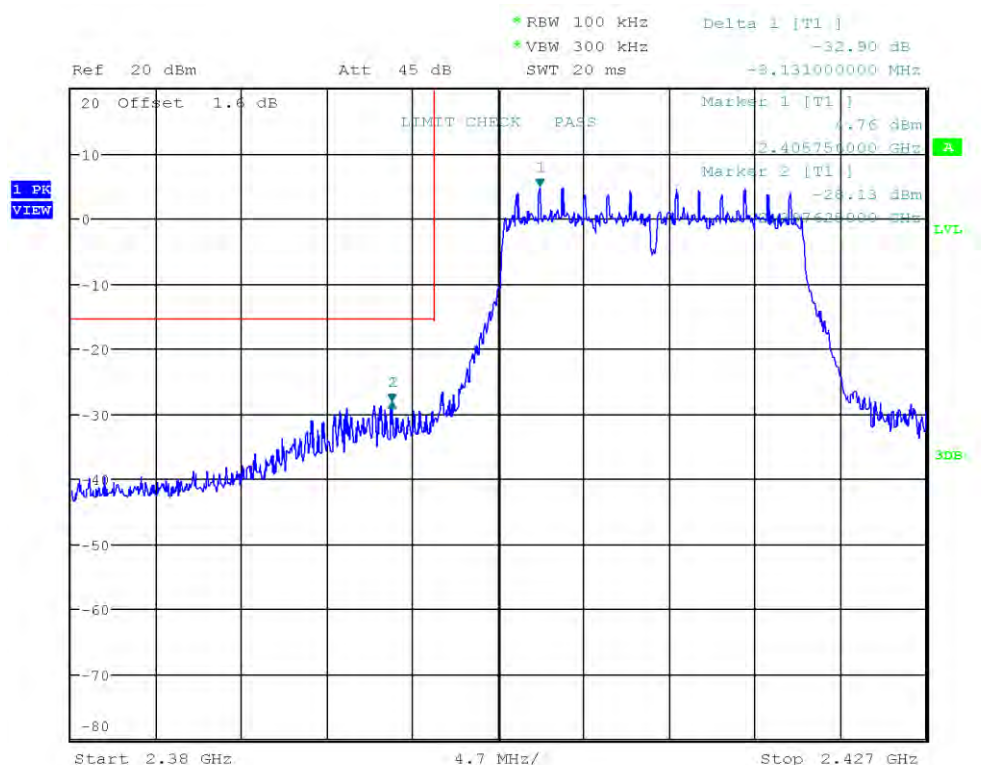
Date: 22.JUN.2023 15:08:03

Test Report No.: G0M-2203-1368-TFC247WF-V01

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

Emissions in nonrestricted frequency bands at the Band-edge

Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Standards: FCC 15.247, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.11
 Operational Mode: IEEE 802.11 g, Channel: 1, 2412 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Band-edge: Lower
 In-band Frequency [MHz]: 2405.756
 Max. in-band Level [dBm/100 kHz]: 4.764
 Out-of-band Frequency [MHz]: 2397.625
 Max. out-of-band Level [dBm/100 kHz]: -28.132
 Attenuation [dB]: -32.9



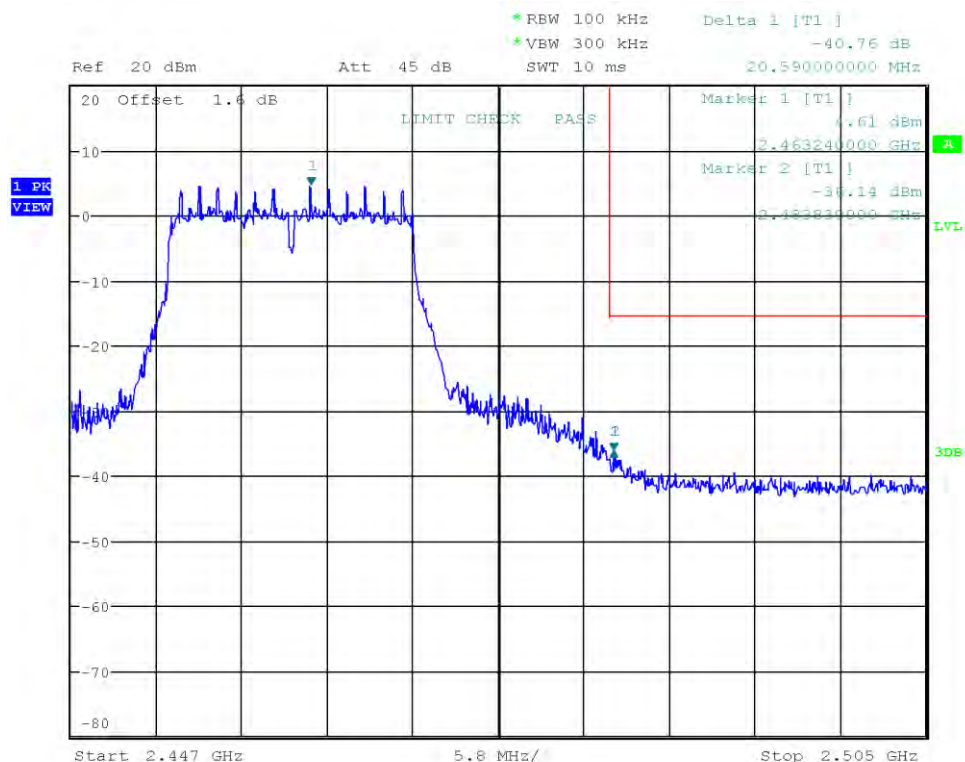
Date: 22.JUN.2023 15:12:49

Test Report No.: G0M-2203-1368-TFC247WF-V01

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

Emissions in nonrestricted frequency bands at the Band-edge

Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Standards: FCC 15.247, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.11
 Operational Mode: IEEE 802.11 g, Channel: 11, 2462 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Band-edge: Upper
 In-band Frequency [MHz]: 2463.24
 Max. in-band Level [dBm/100 kHz]: 4.614
 Out-of-band Frequency [MHz]: 2483.83
 Max. out-of-band Level [dBm/100 kHz]: -36.143
 Attenuation [dB]: -40.76



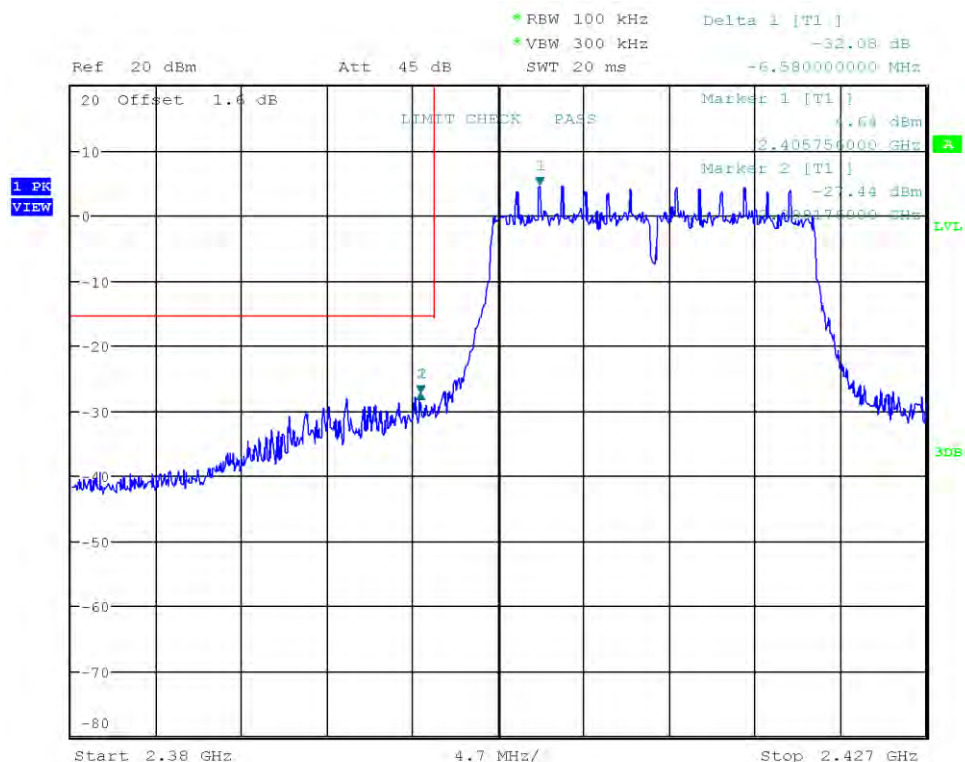
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Test Report No.: G0M-2203-1368-TFC247WF-V01

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

Emissions in nonrestricted frequency bands at the Band-edge

Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Standards: FCC 15.247, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.11
 Operational Mode: IEEE 802.11 n HT20, Channel: 1, 2412 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Band-edge: Lower
 In-band Frequency [MHz]: 2405.756
 Max. in-band Level [dBm/100 kHz]: 4.645
 Out-of-band Frequency [MHz]: 2399.176
 Max. out-of-band Level [dBm/100 kHz]: -27.437
 Attenuation [dB]: -32.08



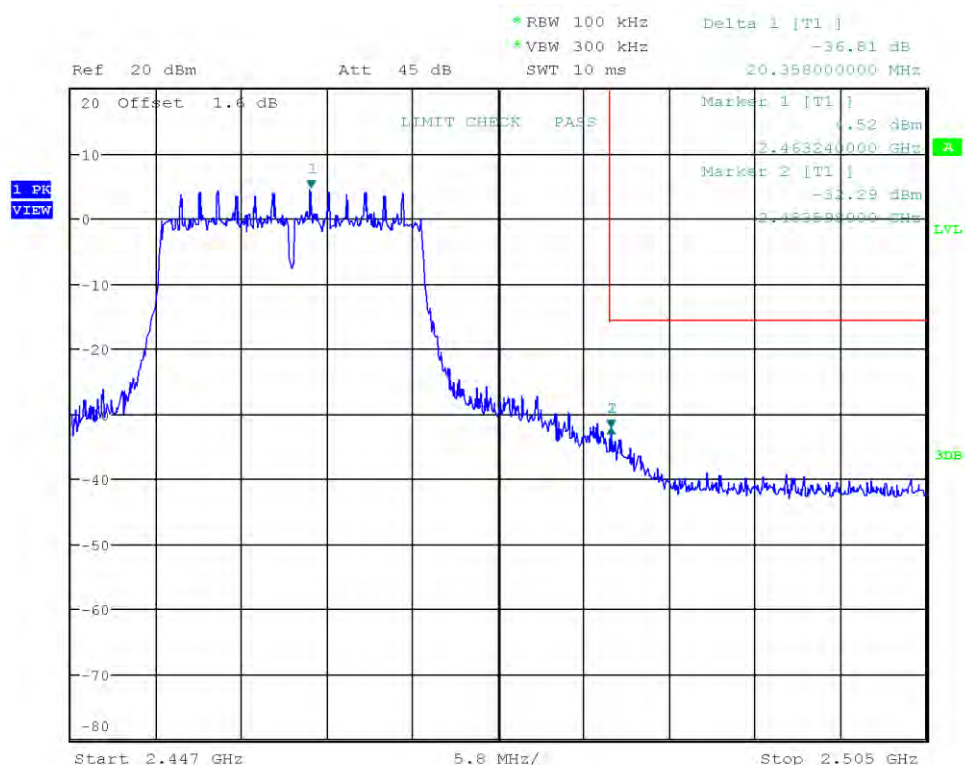
Date: 22.JUN.2023 15:19:03

Test Report No.: G0M-2203-1368-TFC247WF-V01

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

Emissions in nonrestricted frequency bands at the Band-edge

Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Standards: FCC 15.247, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.11
 Operational Mode: IEEE 802.11 n HT20, Channel: 11, 2462 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Band-edge: Upper
 In-band Frequency [MHz]: 2463.24
 Max. in-band Level [dBm/100 kHz]: 4.524
 Out-of-band Frequency [MHz]: 2483.598
 Max. out-of-band Level [dBm/100 kHz]: -32.286
 Attenuation [dB]: -36.81



Date: 22.JUN.2023 15:21:30

Test Report No.: G0M-2203-1368-TFC247WF-V01

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

3.7 Test Conditions and Results - Conducted spurious emissions

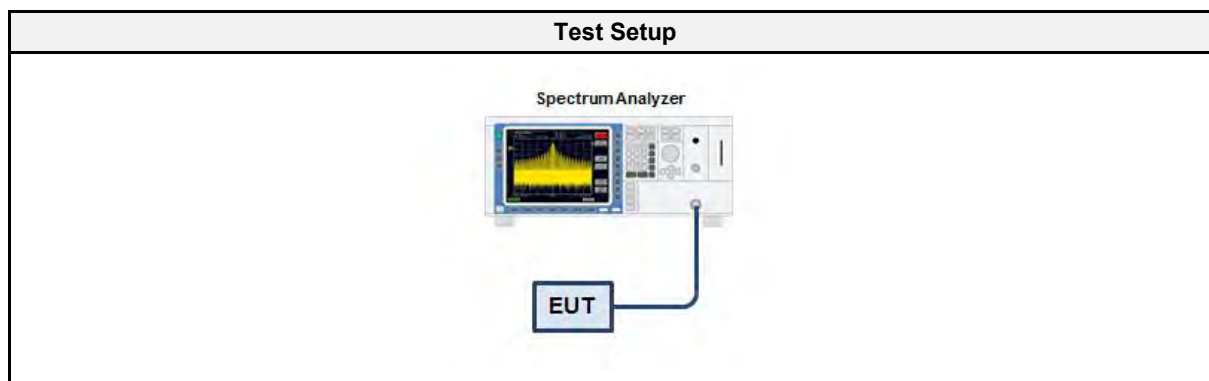
3.7.1 Information

Test Information	
Reference	FCC § 15.247(d); ISED RSS-247, Issue 2 (section 5.5)
Measurement Uncertainty	± 4.25 dB
Measurement Method	ANSI C63.10 11.11
Operator	Wilfried Treffke
Date	2023-06-22

3.7.2 Limits

Limits	
Power Measurement	Out-of-band attenuation [dB]
Peak	20
RMS	30

3.7.3 Setup



3.7.4 Equipment

Test Equipment					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Spectrum Analyser	R&S	FSU 43	EF01631	2022-08	2023-08
Cable	GIGALANE	CAQAB7	EF00779	2023-03	2024-03

3.7.5 Procedure

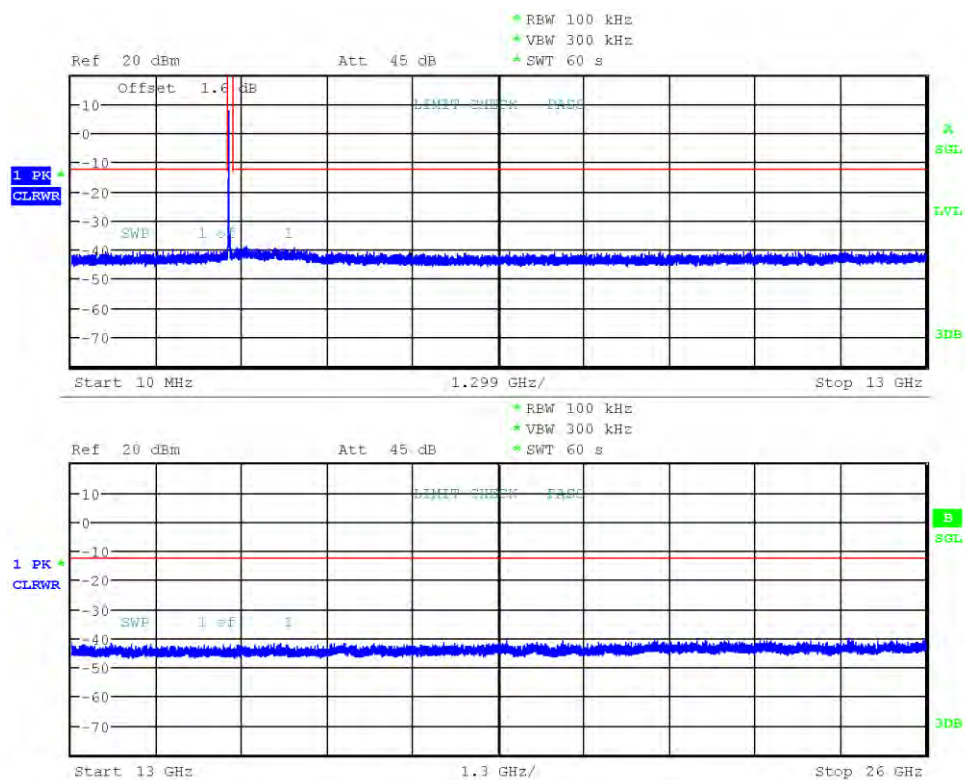
Test Procedure
1. EUT set to test mode (Communication tester is used if needed) 2. Span set around lower band edge and detector is set to peak and max hold 3. Resolution bandwidth is set to 100 kHz 4. Markers are set to peak emission levels outside frequency band

3.7.6 Results

Test Results		
Mode	Channel [MHz]	Verdict
DSSS	2412	PASS
DSSS	2437	PASS
DSSS	2462	PASS
OFDM	2412	PASS
OFDM	2437	PASS
OFDM	2462	PASS
HT20	2412	PASS
HT20	2437	PASS
HT20	2462	PASS

Conducted Spurious Emissions

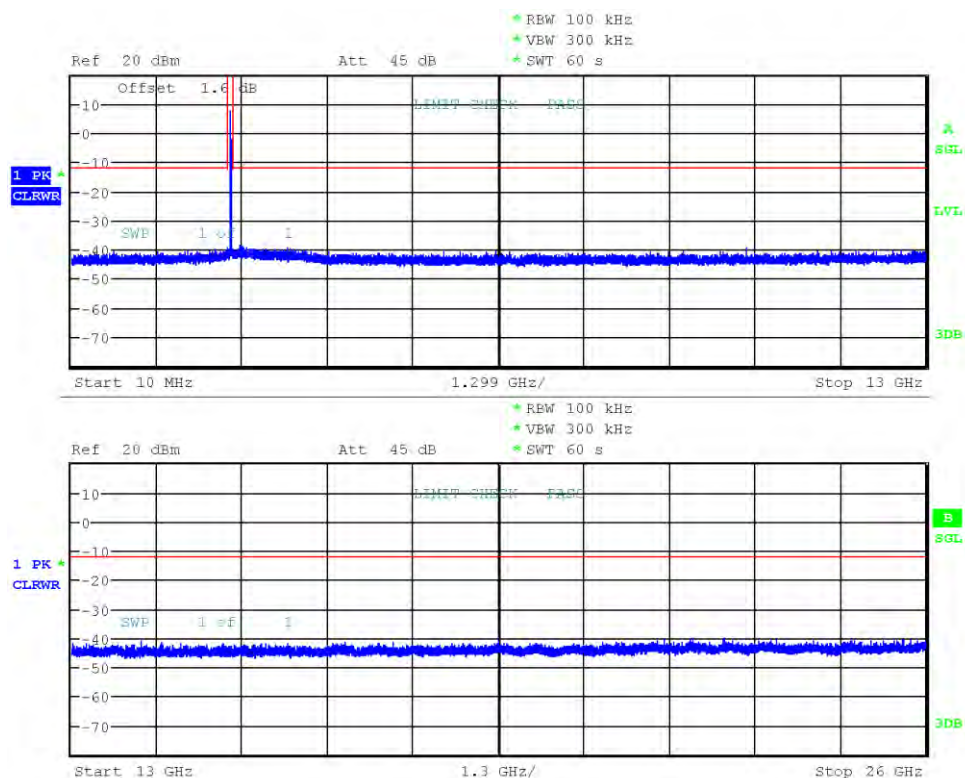
Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Standards: FCC 15.247, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.11
 Operational Mode: IEEE 802.11 b, Channel: 1, 2412 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Max. in-band Frequency [MHz]: 2412.5
 Max. in-band Level [dBm/100 kHz]: 7.5
 Out-of-band Limit [dBm/100 kHz]: -12.5



Date: 22.JUN.2023 15:32:49

Conducted Spurious Emissions

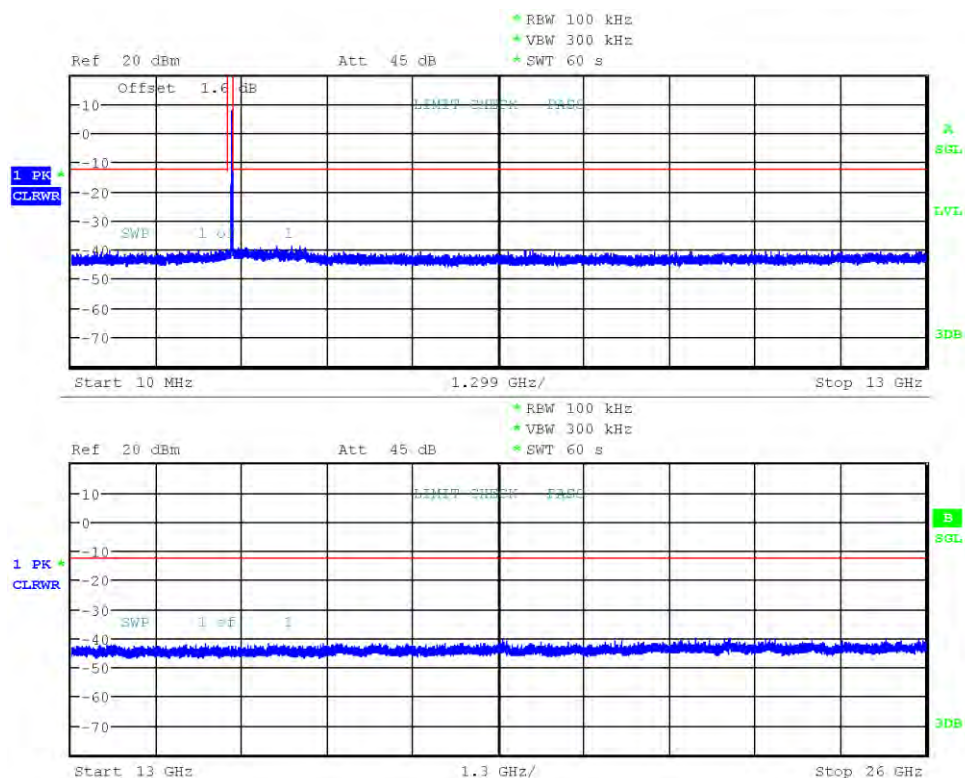
Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Standards: FCC 15.247, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.11
 Operational Mode: IEEE 802.11 b, Channel: 6, 2437 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Max. in-band Frequency [MHz]: 2437.5
 Max. in-band Level [dBm/100 kHz]: 7.9
 Out-of-band Limit [dBm/100 kHz]: -12.1



Date: 22.JUN.2023 15:38:25

Conducted Spurious Emissions

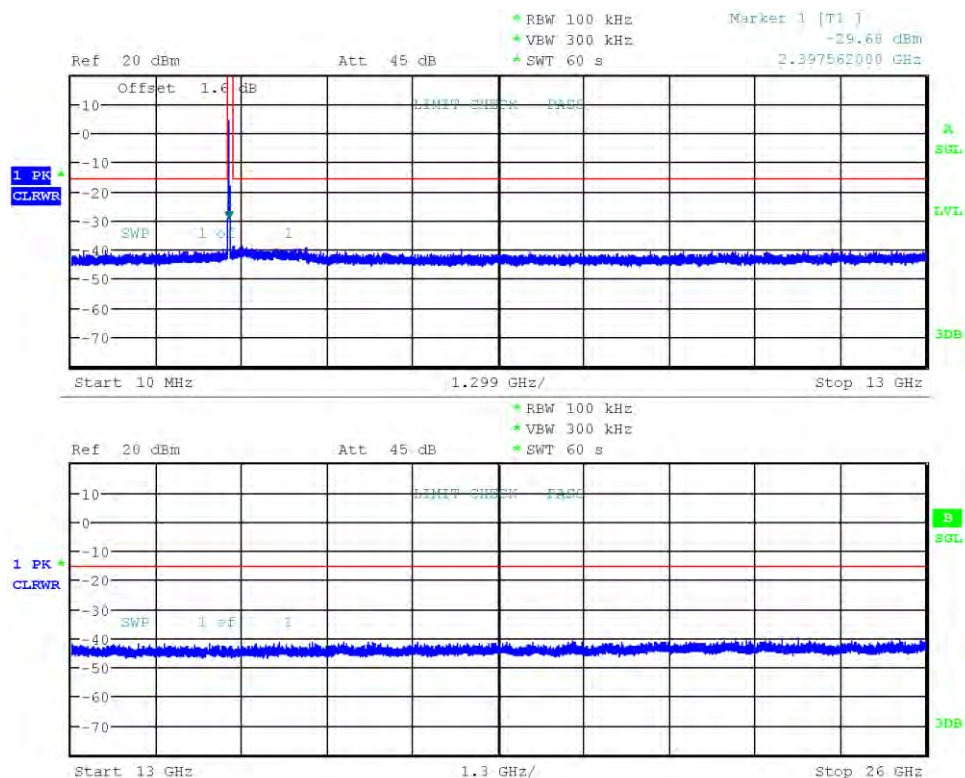
Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Standards: FCC 15.247, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.11
 Operational Mode: IEEE 802.11 b, Channel: 11, 2462 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Max. in-band Frequency [MHz]: 2462.5
 Max. in-band Level [dBm/100 kHz]: 7.6
 Out-of-band Limit [dBm/100 kHz]: -12.4



Date: 22.JUN.2023 15:41:59

Conducted Spurious Emissions

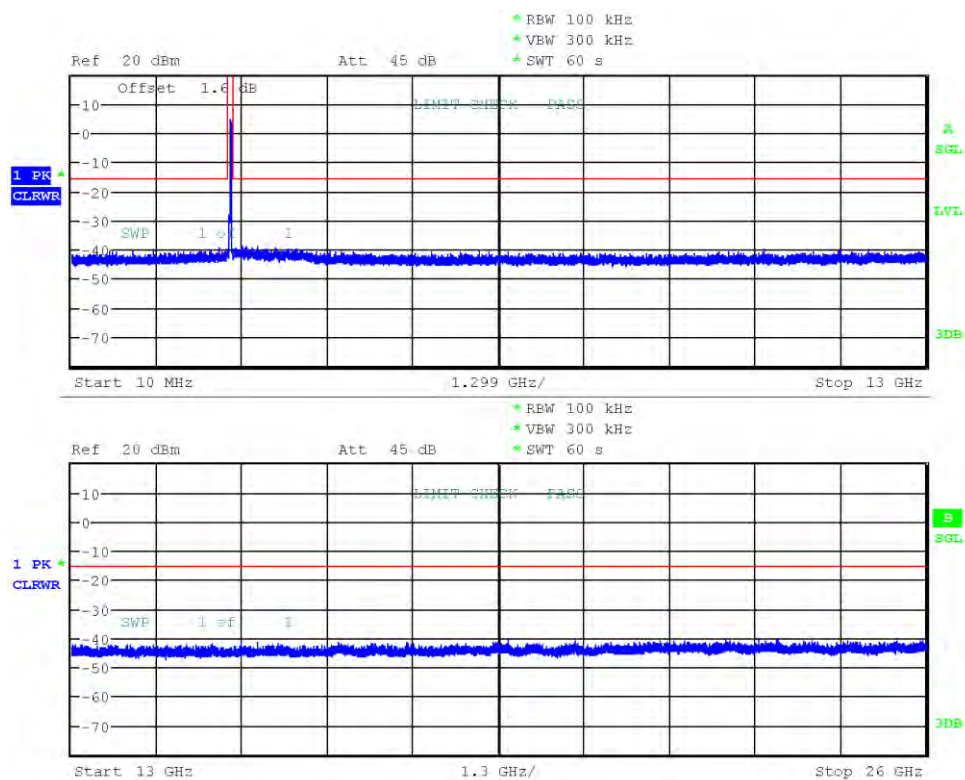
Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Standards: FCC 15.247, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.11
 Operational Mode: IEEE 802.11 g, Channel: 1, 2412 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Max. in-band Frequency [MHz]: 2405.7
 Max. in-band Level [dBm/100 kHz]: 4.6
 Out-of-band Limit [dBm/100 kHz]: -15.4



Date: 22.JUN.2023 15:45:47

Conducted Spurious Emissions

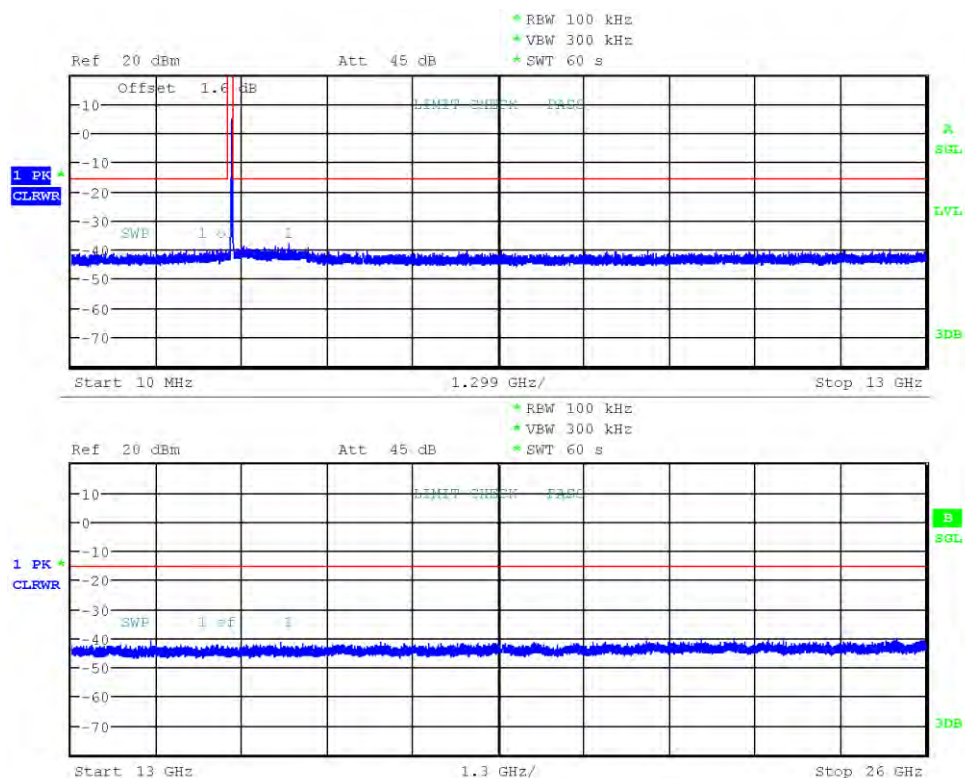
Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Standards: FCC 15.247, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.11
 Operational Mode: IEEE 802.11 g, Channel: 6, 2437 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Max. in-band Frequency [MHz]: 2442.0
 Max. in-band Level [dBm/100 kHz]: 4.9
 Out-of-band Limit [dBm/100 kHz]: -15.1



Date: 22.JUN.2023 15:49:05

Conducted Spurious Emissions

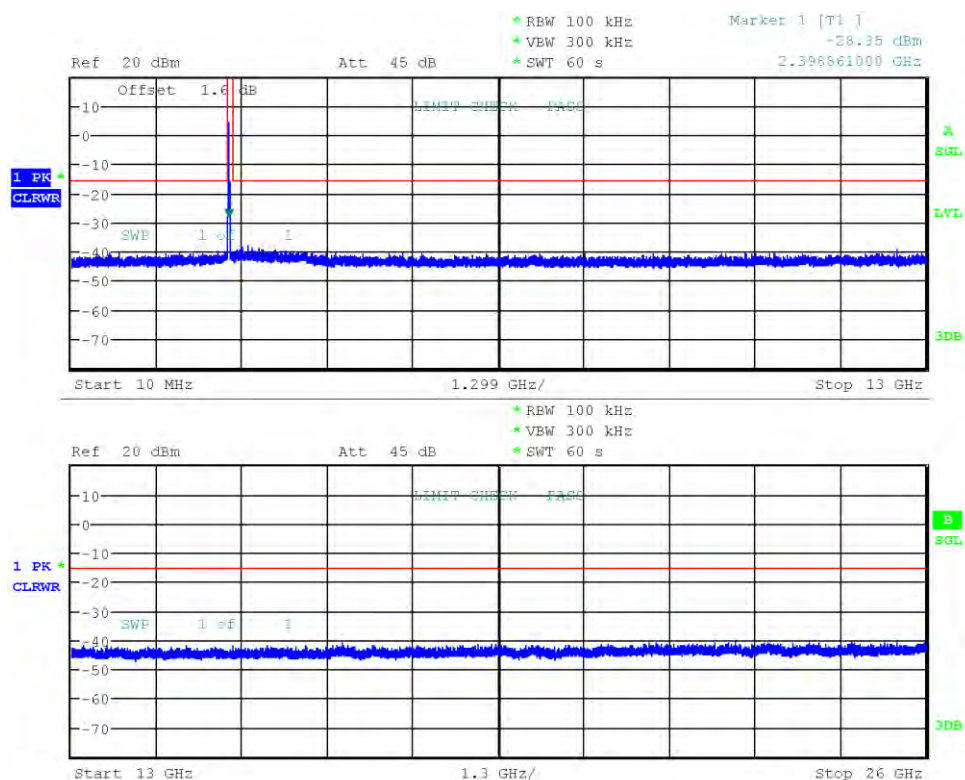
Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Standards: FCC 15.247, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.11
 Operational Mode: IEEE 802.11 g, Channel: 11, 2462 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Max. in-band Frequency [MHz]: 2455.7
 Max. in-band Level [dBm/100 kHz]: 4.6
 Out-of-band Limit [dBm/100 kHz]: -15.4



Date: 22.JUN.2023 15:55:51

Conducted Spurious Emissions

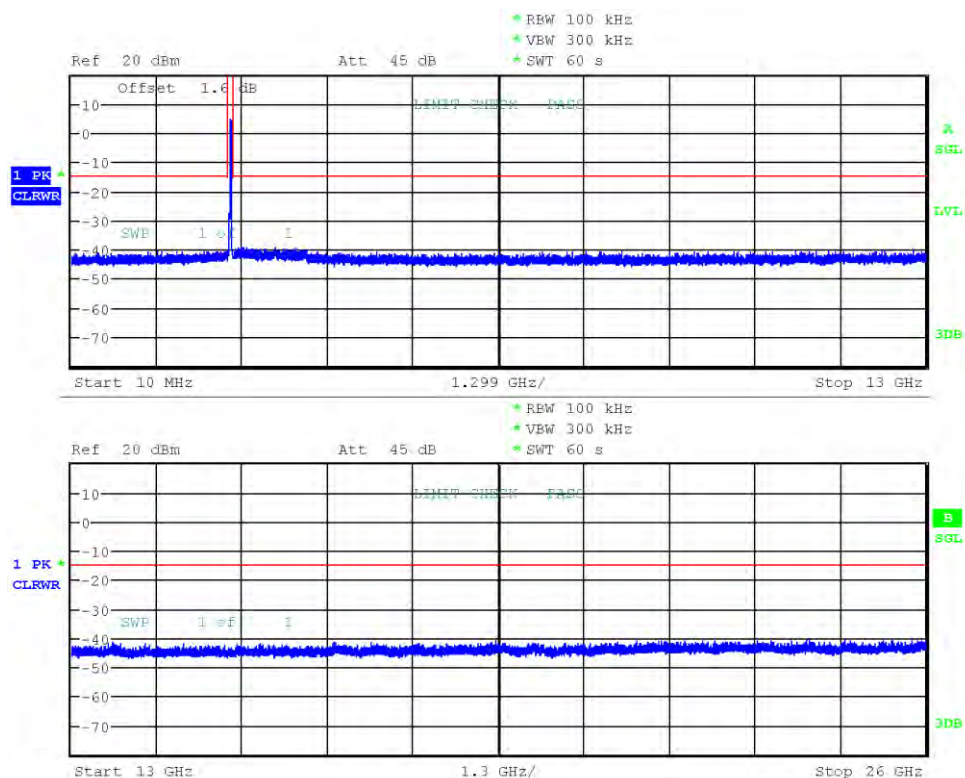
Project Number:	G0M-2203-1368
Applicant:	Alator AG
Model Description:	Food Processor
Model:	Pacojet 4
Test Sample ID:	42572
Reference Standards:	FCC 15.247, RSS-247
Reference Method:	ANSI C63.10:2013, Section 11.11
Operational Mode:	IEEE 802.11 n HT20, Channel: 1, 2412 MHz
Operating Conditions:	Tnom/Vnom
Operator:	Wilfried Treffke
Test Site:	Eurofins Product Service GmbH
Test Date:	2023-06-22
Max. in-band Frequency [MHz]:	2405.7
Max. in-band Level [dBm/100 kHz]:	4.8
Out-of-band Limit [dBm/100 kHz]:	-15.2



Date: 22.JUN.2023 15:59:56

Conducted Spurious Emissions

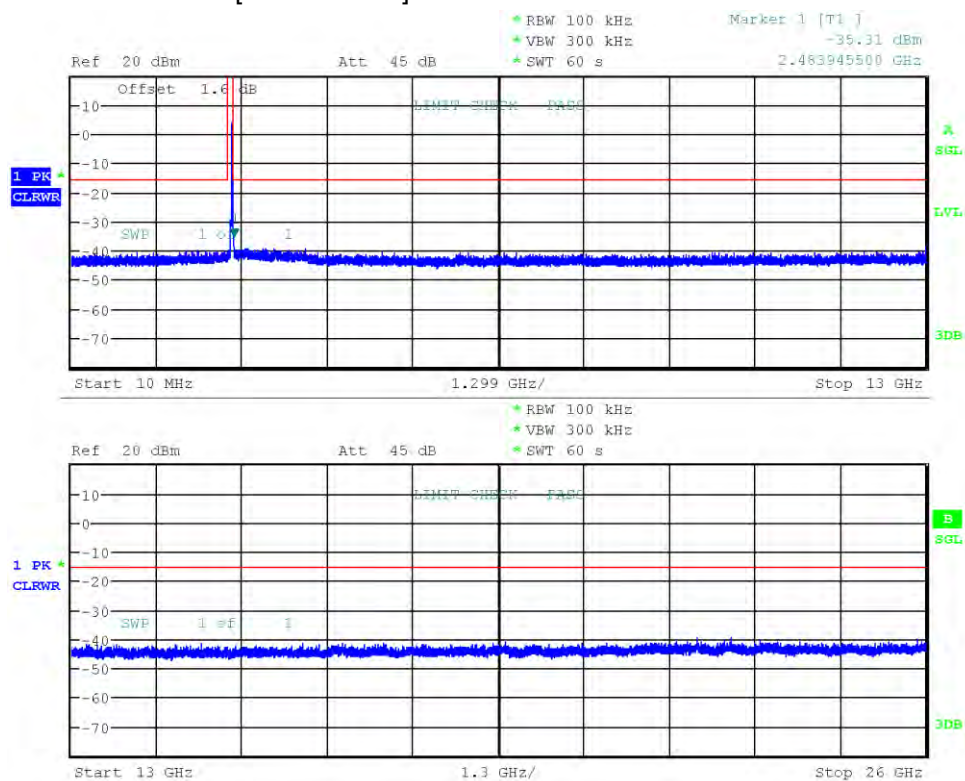
Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Standards: FCC 15.247, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.11
 Operational Mode: IEEE 802.11 n HT20, Channel: 6, 2437 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Max. in-band Frequency [MHz]: 2442.0
 Max. in-band Level [dBm/100 kHz]: 5.0
 Out-of-band Limit [dBm/100 kHz]: -15.0



Date: 22.JUN.2023 16:03:39

Conducted Spurious Emissions

Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 42572
 Reference Standards: FCC 15.247, RSS-247
 Reference Method: ANSI C63.10:2013, Section 11.11
 Operational Mode: IEEE 802.11 n HT20, Channel: 11, 2462 MHz
 Operating Conditions: Tnom/Vnom
 Operator: Wilfried Treffke
 Test Site: Eurofins Product Service GmbH
 Test Date: 2023-06-22
 Max. in-band Frequency [MHz]: 2457.0
 Max. in-band Level [dBm/100 kHz]: 4.6
 Out-of-band Limit [dBm/100 kHz]: -15.4



Date: 22.JUN.2023 16:07:19

3.8 Test Conditions and Results - Transmitter radiated emissions

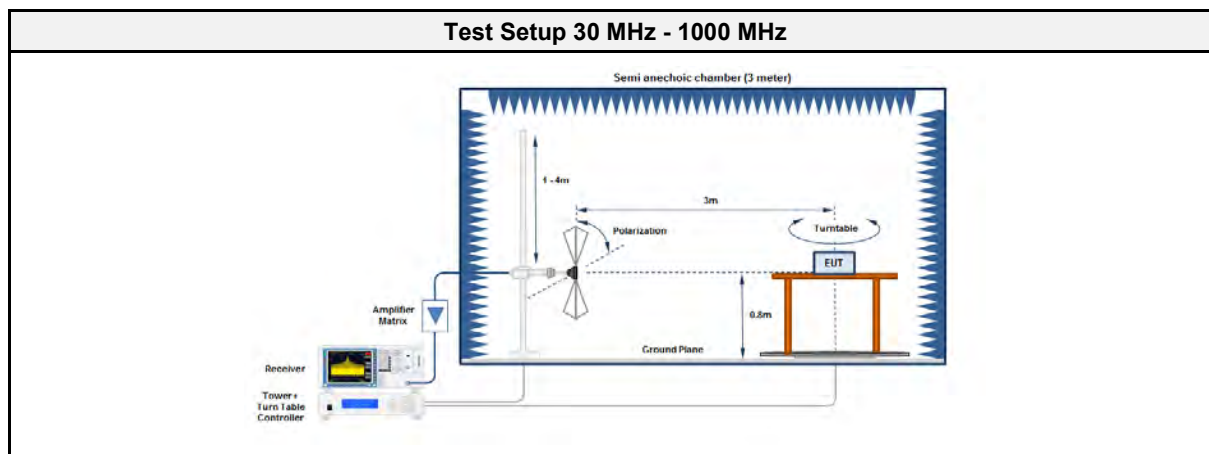
3.8.1 Information

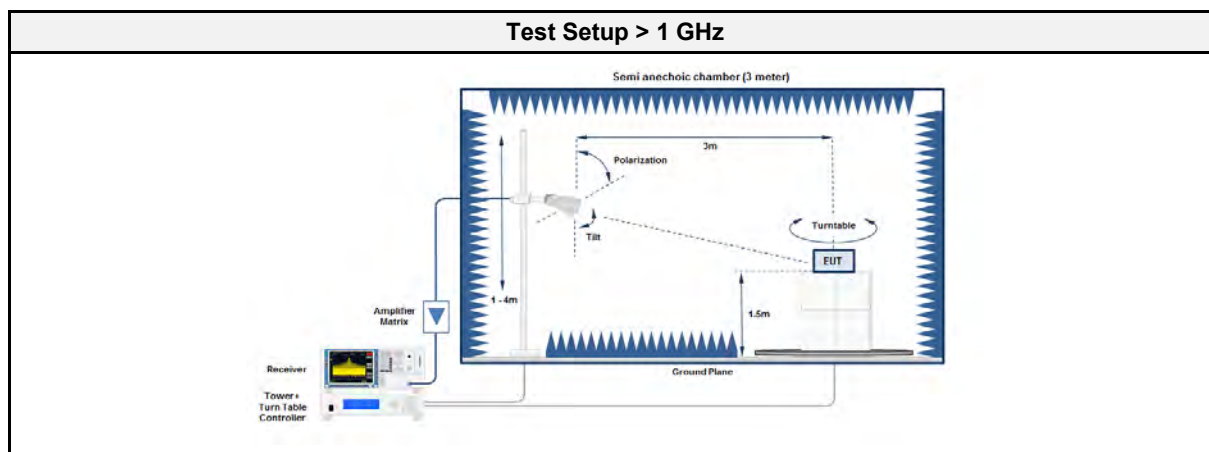
Test Information	
Reference	FCC § 15.247(d); FCC § 15.209
Measurement Uncertainty	± 5.95 dB
Measurement Method	ANSI C63.10 6.4, 6.5, 6.6, 11.12
Operator	Odai Qawasmeh
Date	2022-03-28

3.8.2 Limits

Limits			
Frequency range [MHz]	Detector	Field strength [$\mu\text{V/m}$]	Measurement distance [m]
0.009 - 0.09	Average	2400/F[kHz]	300
0.09 - 0.110	Quasi-Peak	2400/F[kHz]	300
0.110 - 0.490	Average	2400/F[kHz]	300
0.490 - 1.705	Quasi-Peak	24000/F[kHz]	30
1.705 - 30.0	Quasi-Peak	30	30
30 - 88	Quasi-Peak	100	3
88 - 216	Quasi-Peak	150	3
216 - 960	Quasi-Peak	200	3
960 - 1000	Quasi-Peak	500	3
>1000	Average	500	3

3.8.3 Setup





3.8.4 Equipment

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

Test Equipment 30 MHz - 1000 MHz					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Anechoic Chamber	Frankonia	AC1	EF00062	2021-02	2024-02
Measurement Receiver	Agilent	N9038A-526/WXP	EF01070	2021-07	2022-07
Antenna	R&S	HK 116	EF00030	2021-05	2024-05
Antenna	R&S	HL 223	EF00212	2019-05	2022-05

Test Equipment > 1 GHz					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Anechoic Chamber	Frankonia	AC1	EF00062	2021-02	2024-02
Measurement Receiver	Agilent	N9038A-526/WXP	EF01070	2021-07	2022-07
Antenna	Schwarzbeck	BBHA 9120B	EF01678	2021-03	2022-03
Antenna	Schwarzbeck	HWRD 650	EF01679	2021-03	2022-03
Antenna	Amplifier Research	AT4560	EF00302	2021-06	2023-06

3.8.5 Procedure

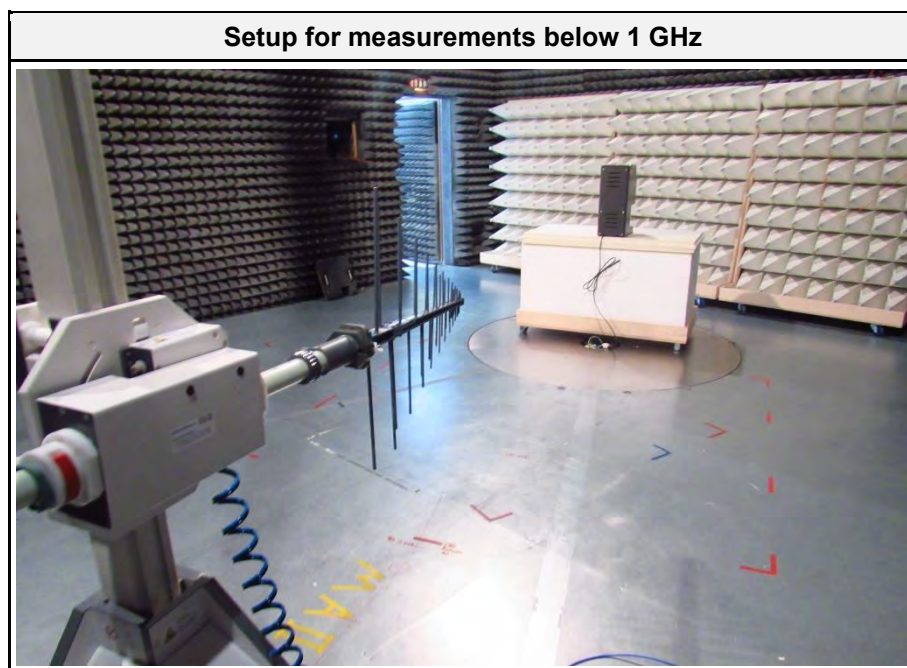
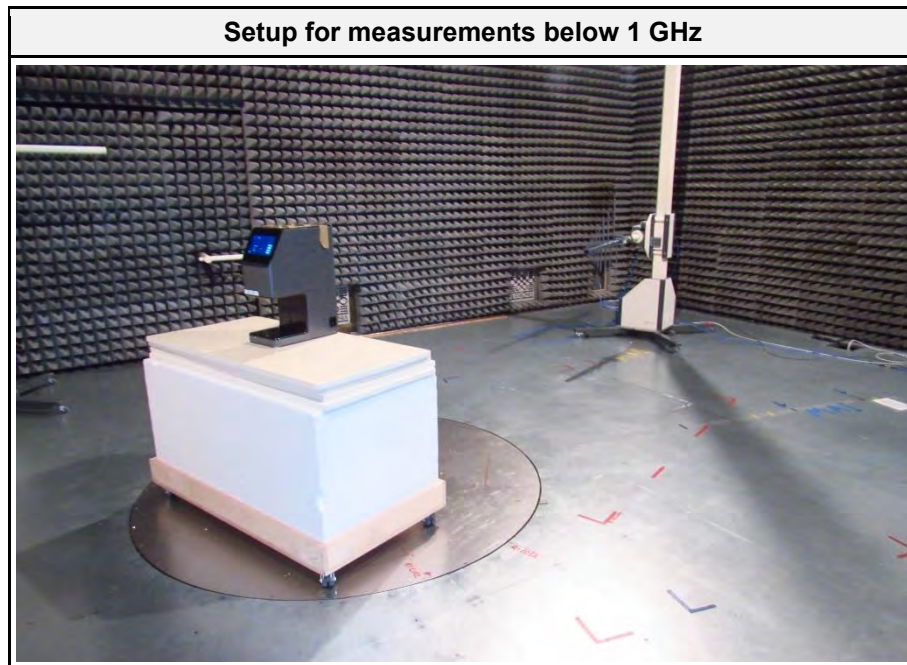
Test Procedure 30 MHz - 1000 MHz
1. EUT is placed on a non conducting support at the center of a turn table 0.8 m above the ground 2. EUT set to test mode 3. The receiver is set to peak detection with max hold 4. The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m 5. All significant emissions are measured again using the corresponding final detector

Test Procedure > 1 GHz
1. EUT is placed on a non conducting support at the center of a turn table 1.5 m above the ground 2. EUT set to test mode 3. The receiver is set to peak detection with max hold 4. The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m 5. All significant emissions are measured again using the corresponding final detector

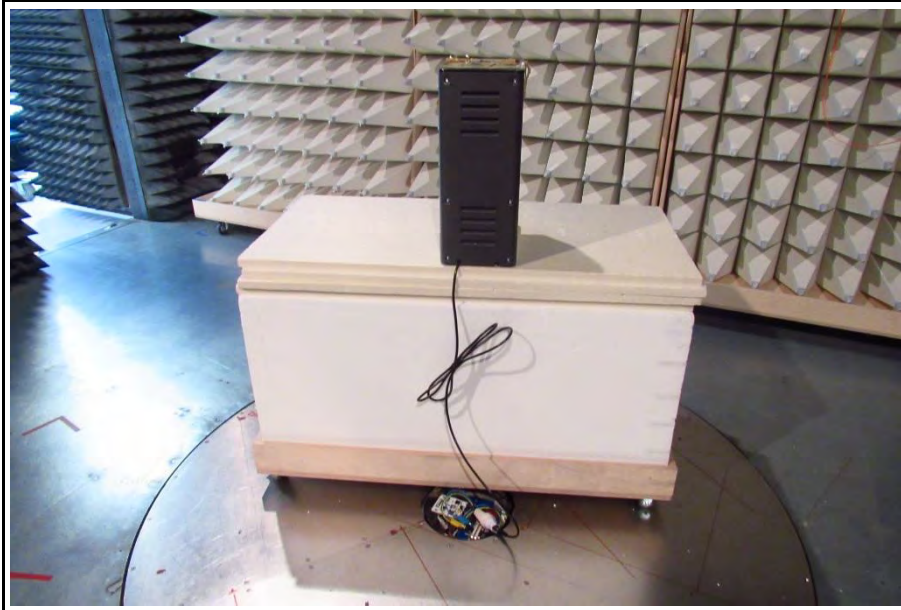
3.8.6 Results

Test Results - OFDM						
Channel [MHz]	Emission [MHz]	Level [dBμV/m]	Det.	Pol.	Limit [dBμV/m]	Margin [dB]
2437	37.5947	29.20	pk	ver	ver	-10.81
2437	113.963	30.50	pk	ver	ver	-12.99
2437	250	25.40	pk	ver	ver	-20.57
2437	1000.1	45.31	pk	ver	ver	-28.69
2437	1000.1	42.44	avg	ver	ver	-11.56
2437	2496.7	42.93	pk	ver	ver	-31.07
2437	2496.7	35.01	avg	ver	ver	-18.99
2437	4873.1	45.39	pk	ver	ver	-28.61
2437	4873.1	41.38	avg	ver	ver	-12.62
2437	17838	47.01	pk	ver	ver	-26.99
2437	17838	38.68	avg	ver	ver	-15.32
2437	18014	48.38	pk	ver	ver	-25.62
2437	18014	40.51	avg	ver	ver	-13.49
Comment	Test mode selection is based on pre-compliance measurement of output power of all operational modes. The operational modes with the highest output power were selected for compliance tests.					

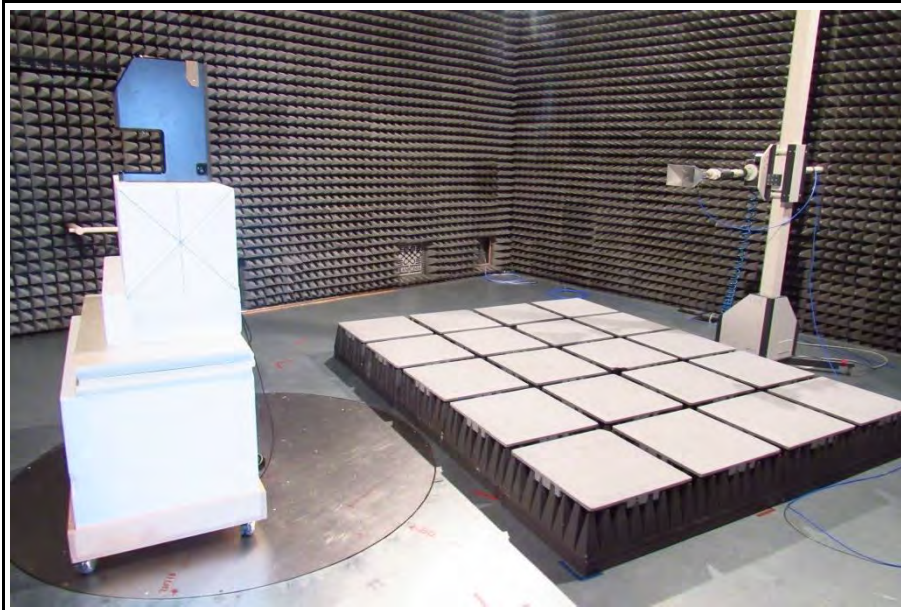
3.8.7 Setup Photos



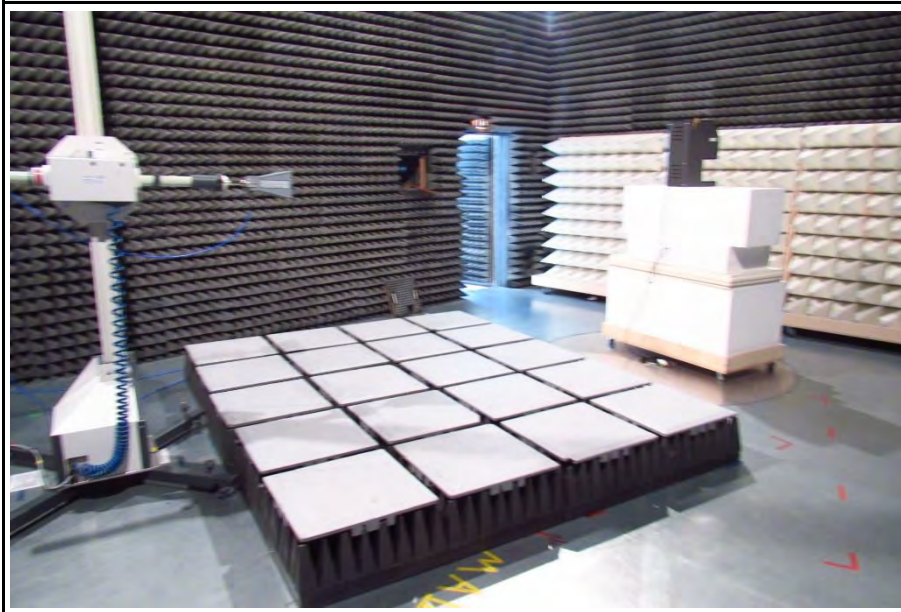
EUT Test Setup



Setup for measurements above 1 GHz



Setup for measurements above 1 GHz



EUT Setup



3.9 Test Conditions and Results - Receiver radiated emissions

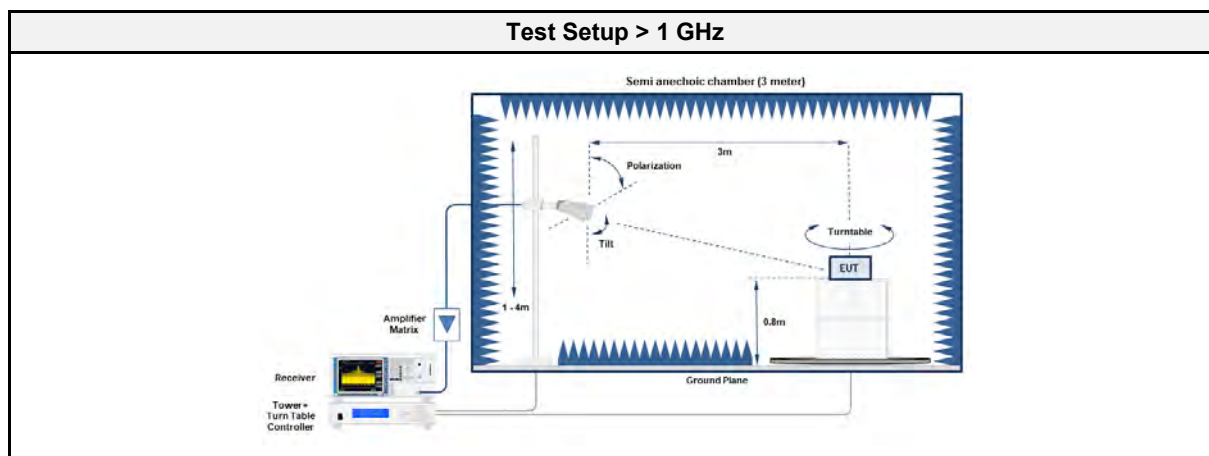
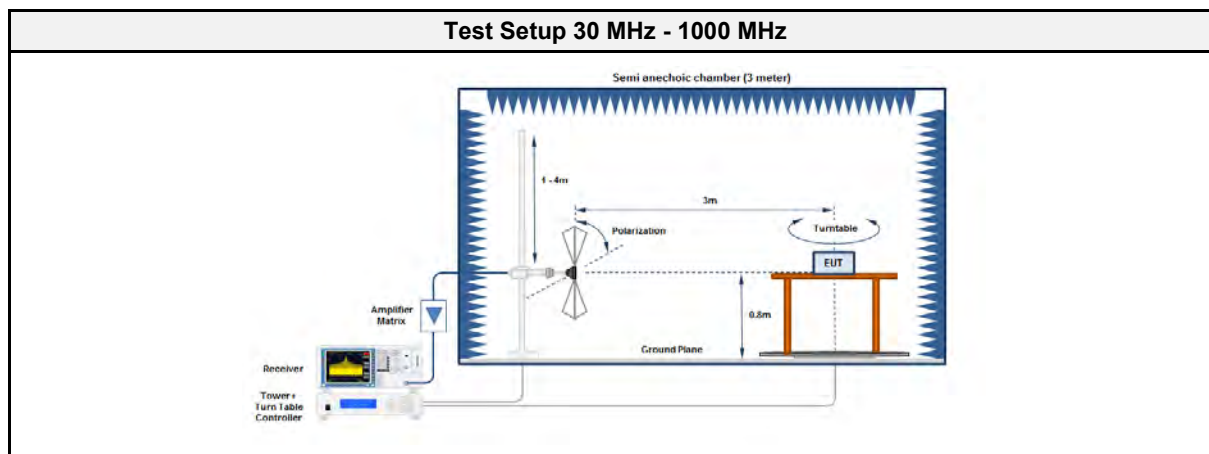
3.9.1 Information

Test Information	
Reference	ISED RSS-247, Issue 2 (section 3.1)
Measurement Uncertainty	± 5.95 dB
Measurement Method	ANSI C63.4-2014 8.1-8.3
Operator	Odai Qawasmeh
Date	2022-03-28

3.9.2 Limits

Limits			
Frequency range [MHz]	Detector	Field strength [$\mu\text{V/m}$]	Measurement distance [m]
30 - 88	Quasi-Peak	100	3
88 - 216	Quasi-Peak	150	3
216 - 960	Quasi-Peak	200	3
960 - 1000	Quasi-Peak	500	3
>1000	Average	500	3

3.9.3 Setup



3.9.4 Equipment

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

Test Equipment 30 MHz - 1000 MHz					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Anechoic Chamber	Frankonia	AC1	EF00062	2021-02	2024-02
Measurement Receiver	Agilent	N9038A-526/WXP	EF01070	2021-07	2022-07
Antenna	R&S	HK 116	EF00030	2021-05	2024-05
Antenna	R&S	HL 223	EF00212	2019-05	2022-05

Test Equipment > 1 GHz					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Anechoic Chamber	Frankonia	AC1	EF00062	2021-02	2024-02
Measurement Receiver	Agilent	N9038A-526/WXP	EF01070	2021-07	2022-07
Antenna	Schwarzbeck	BBHA 9120B	EF01678	2021-03	2022-03
Antenna	Schwarzbeck	HWRD 650	EF01679	2021-03	2022-03
Antenna	Amplifier Research	AT4560	EF00302	2021-06	2023-06

3.9.5 Procedure

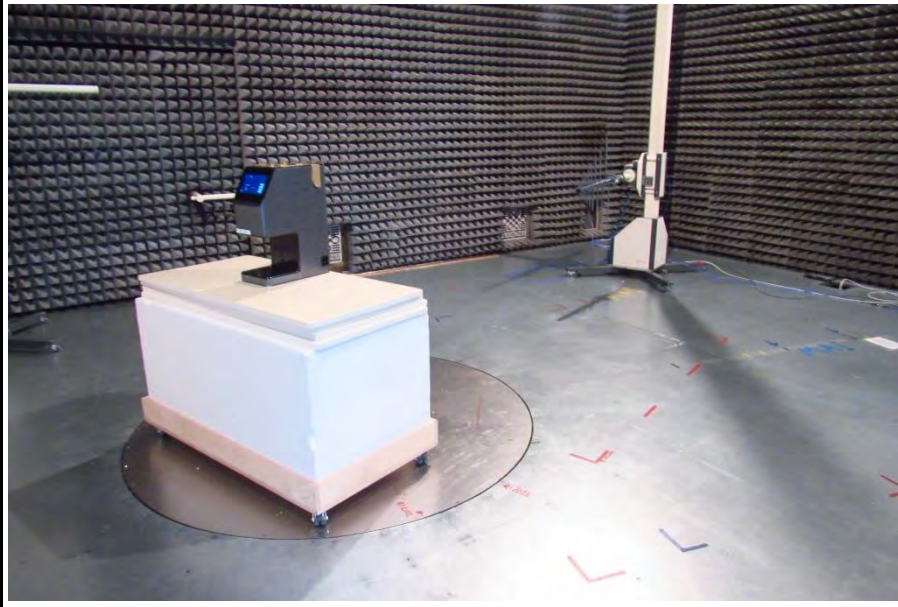
Test Procedure	
1. EUT is placed on a non conducting support at the center of a turn table 0.8 m above the ground 2. EUT is set to test mode 3. The receiver is set to peak detection with max hold 4. The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m 5. All significant emissions are measured again using the corresponding final detector	

3.9.6 Results

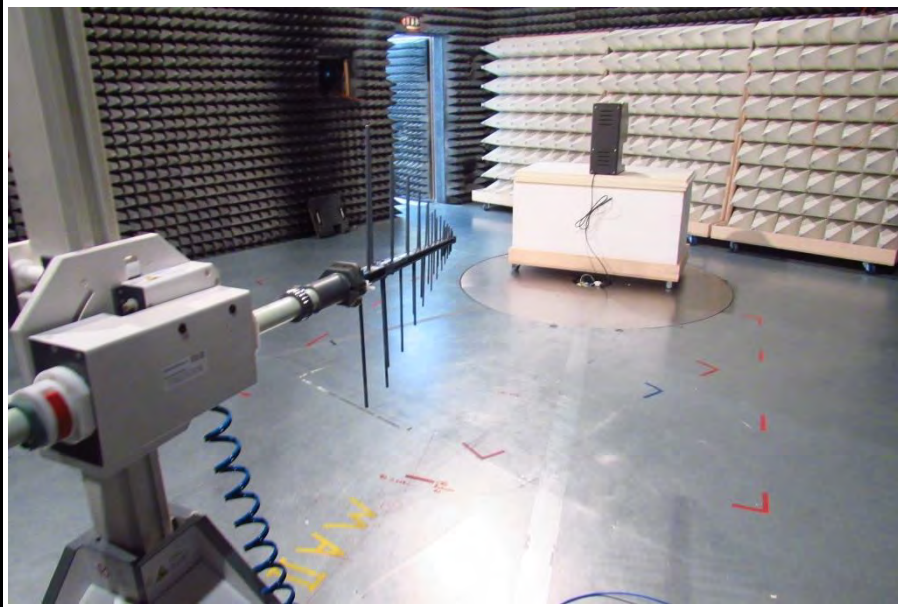
Test Results						
Channel [MHz]	Emission [MHz]	Level [dBμV/m]	Det.	Pol.	Limit [dBμV/m]	Margin [dB]
2437	33.9822	32.10	qpk	ver	40.00	-07.85
2437	92.3007	25.80	pk	ver	43.50	-17.74
2437	113.7377	29.40	pk	ver	43.50	-14.13
2437	250	26.30	pk	hor	46.00	-19.73
2437	288	28.70	pk	hor	46.00	-17.28
2437	480.12	35.40	pk	ver	46.00	-10.58
2437	500	33.30	pk	ver	46.00	-12.72
2437	1375	39.21	pk	ver	74.00	-34.79
2437	1375	31.14	avg	ver	53.98	-22.84
2437	6340	48.42	pk	ver	74.00	-25.58
2437	6340	38.57	avg	ver	53.98	-15.41
2437	17850	44.36	pk	hor	74.00	-29.64
2437	17850	38.67	avg	hor	53.98	-15.31

3.9.7 Setup Photos

Setup for measurements below 1 GHz



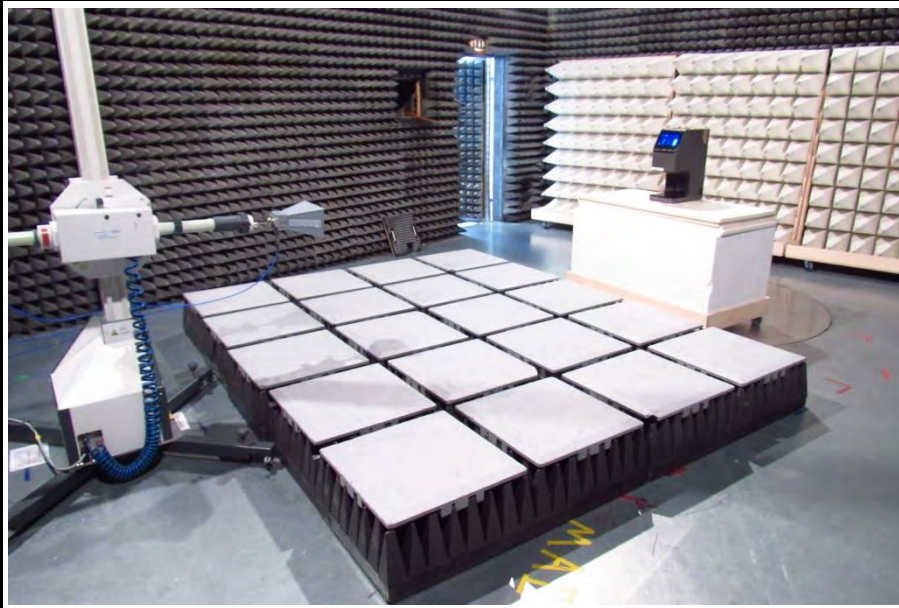
Setup for measurements below 1 GHz



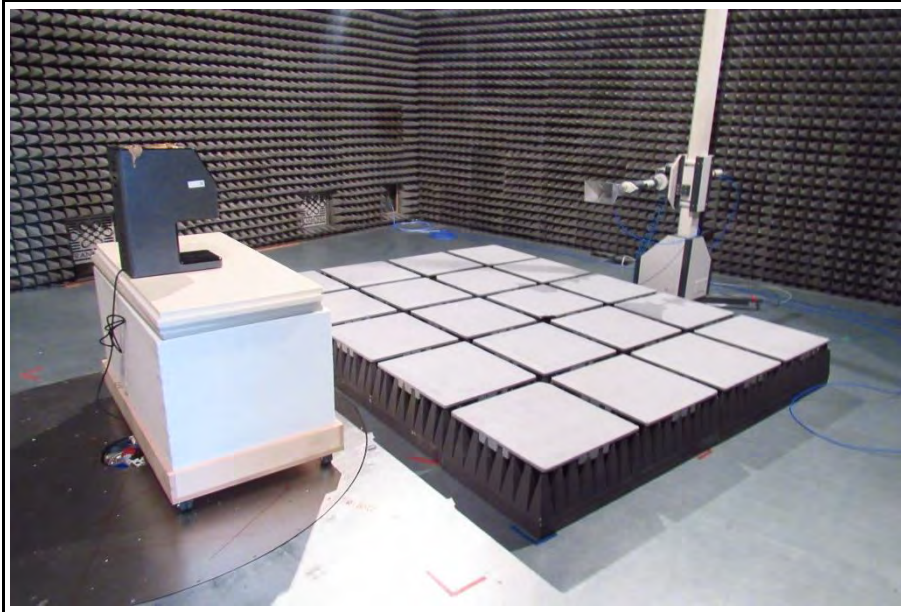
EUT Setup



Setup for measurements above 1 GHz



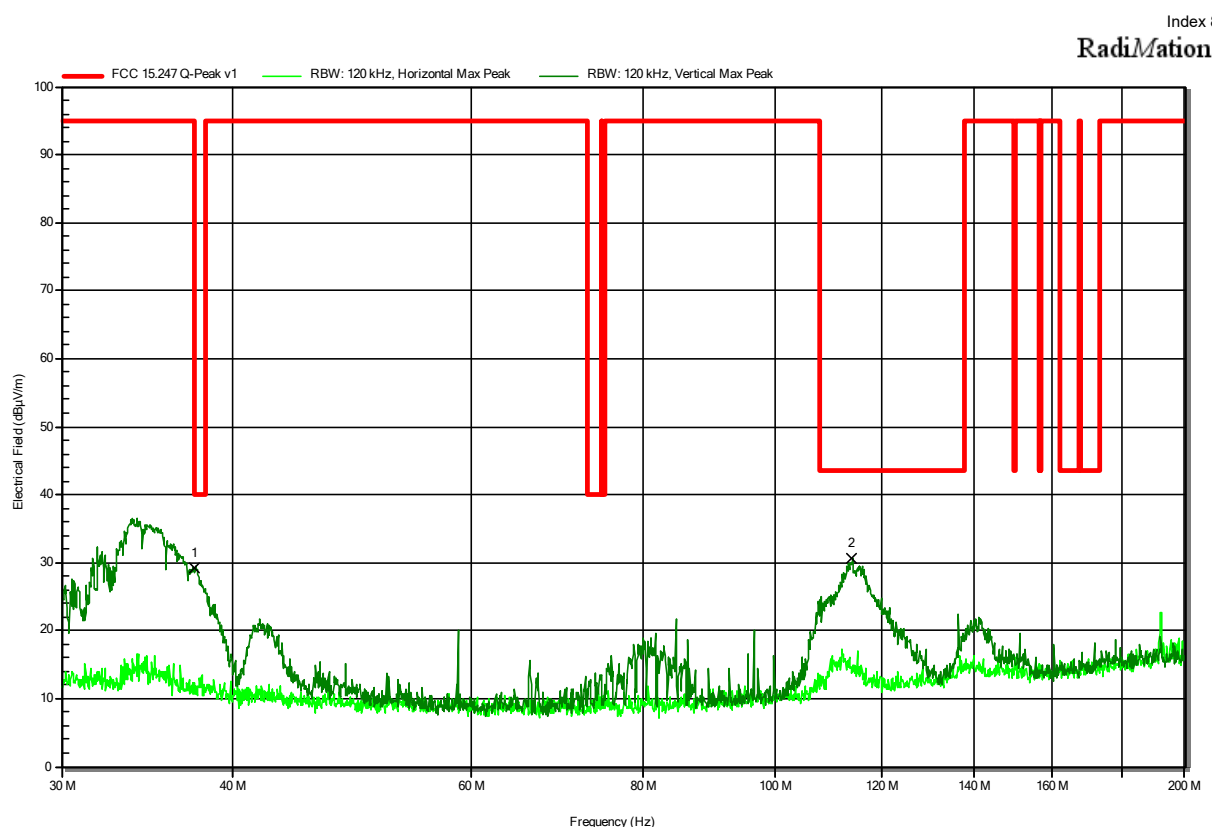
Setup for measurements above 1 GHz



ANNEX A Transmitter spurious emissions

Radiated Spurious Emissions according to 47 CFR 15.247

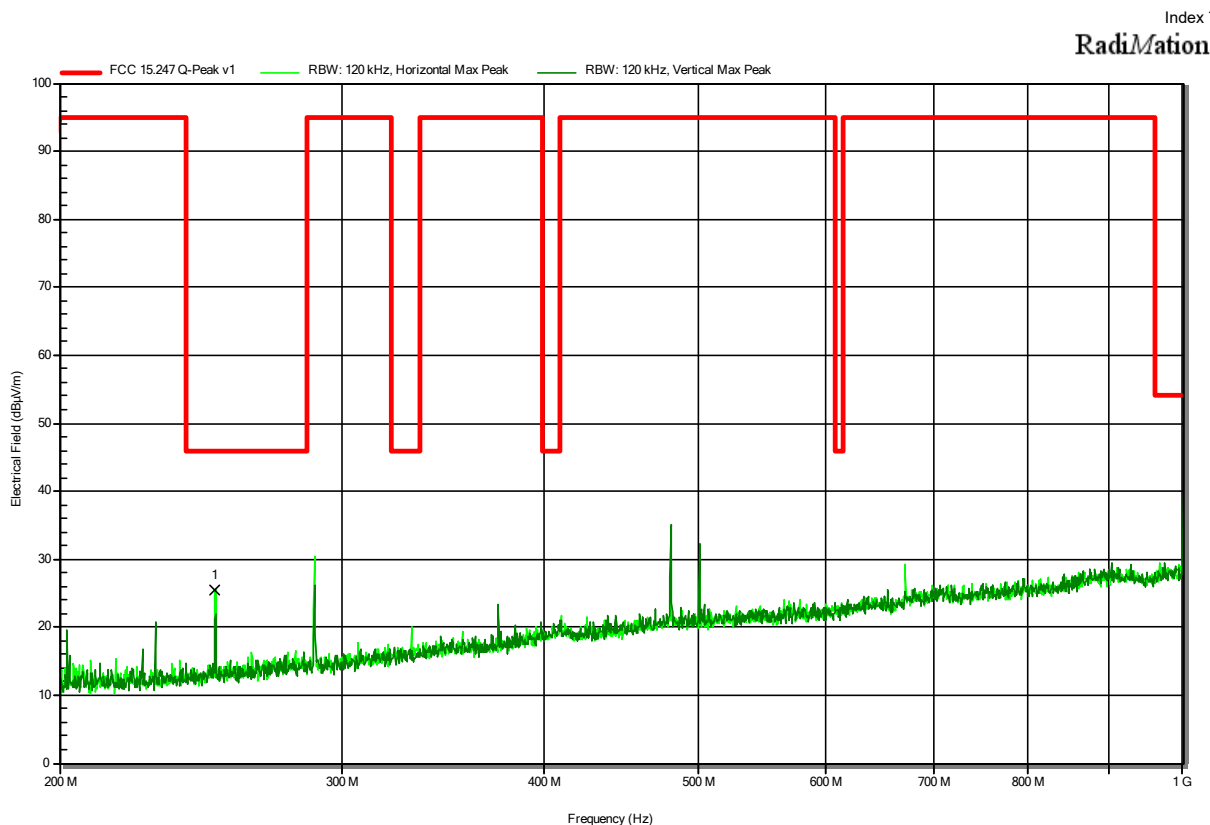
Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 39285 (Serial Number 0S-02)
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120 VAC
 Antenna: Rohde & Schwarz HK 116
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 2437 MHz, 6 Mbit/s
 Test Date: 2022-03-28
 Note:



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
37.5947 MHz	29.2 dBµV/m	40 dBµV/m	-10.81 dB	Pass	Vertical
113.963 MHz	30.5 dBµV/m	43.5 dBµV/m	-12.99 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR 15.247

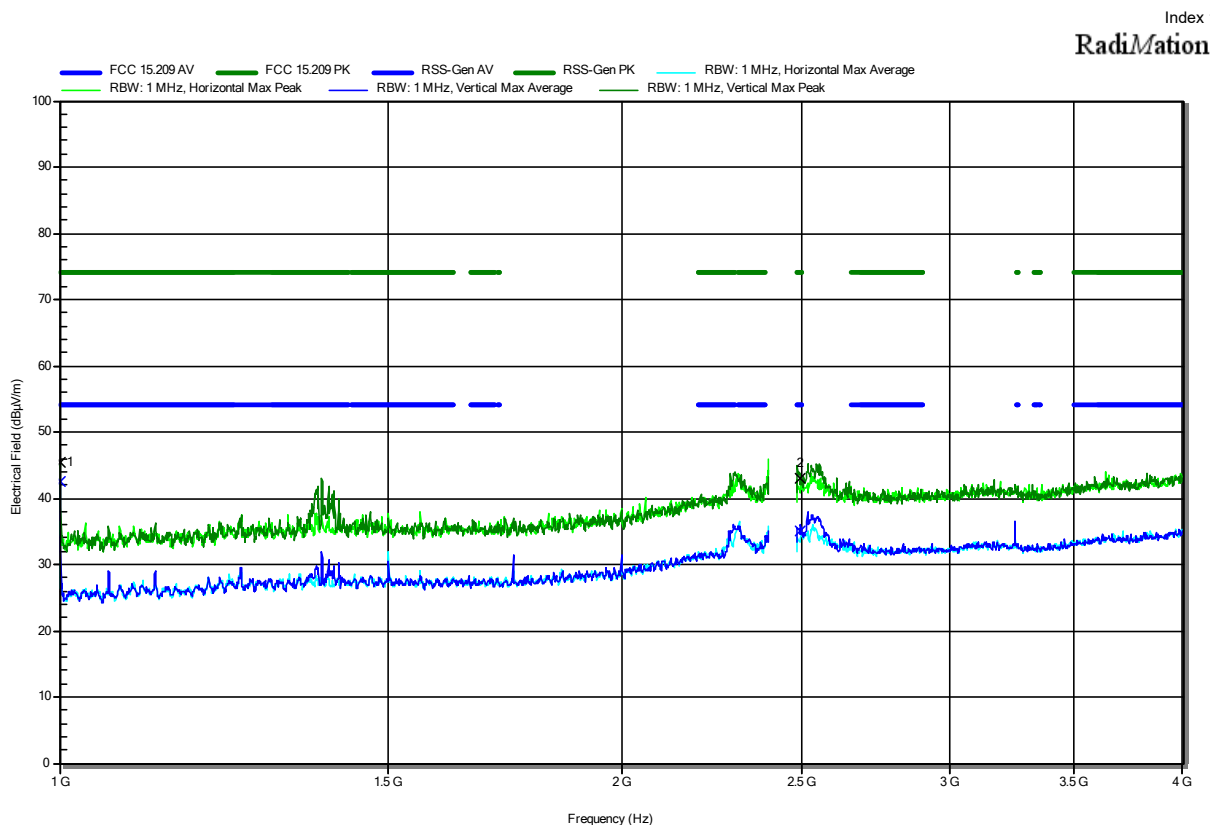
Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 39285 (Serial Number 0S-02)
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120 VAC
 Antenna: Rohde & Schwarz HL 223
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 2437 MHz, 6 Mbit/s
 Test Date: 2022-03-28
 Note:



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
250 MHz	25.4 dBμV/m	46 dBμV/m	-20.57 dB	Pass	Horizontal

Radiated Spurious Emissions according to 47 CFR 15.247

Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 39285 (Serial Number 0S-02)
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120 VAC
 Antenna: Schwarzbeck BBHA 9120D
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 2437 MHz, 6 Mbit/s
 Test Date: 2022-03-28
 Note:



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
1.0001 GHz	45.31 dBμV/m	74 dBμV/m	-28.69 dB	Pass	Vertical
2.4967 GHz	42.93 dBμV/m	74 dBμV/m	-31.07 dB	Pass	Vertical

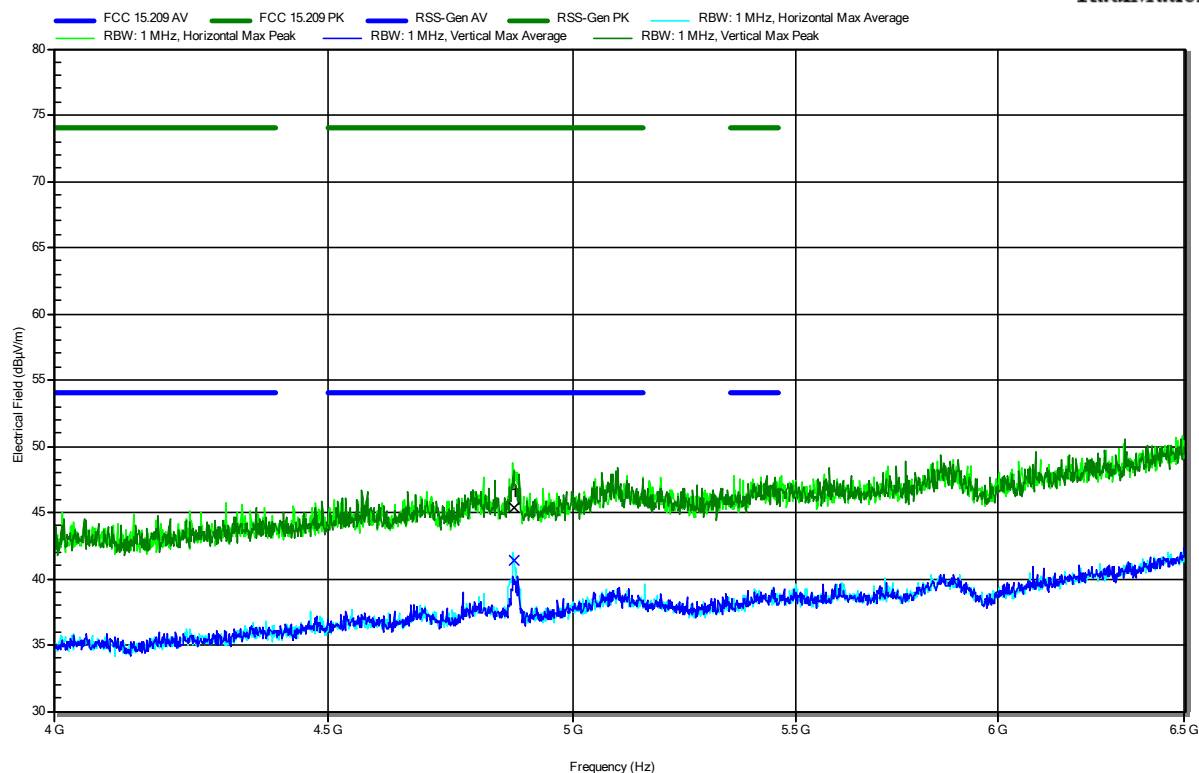
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
1.0001 GHz	42.44 dBμV/m	54 dBμV/m	-11.56 dB	Pass	Vertical
2.4967 GHz	35.01 dBμV/m	54 dBμV/m	-18.99 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR 15.247

Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 39285 (Serial Number 0S-02)
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120 VAC
 Antenna: Schwarzbeck BBHA 9120D
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 2437 MHz, 6 Mbit/s
 Test Date: 2022-03-28
 Note:

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RadiMation



Frequency 4.8731 GHz	Peak 45.39 dBµV/m	Peak Limit 74 dBµV/m	Peak Difference -28.61 dB	Peak Status Pass	Polarization Horizontal
Frequency 4.8731 GHz	Average 41.38 dBµV/m	Average Limit 54 dBµV/m	Average Difference -12.62 dB	Average Status Pass	Polarization Horizontal

Test Report No.: G0M-2203-1368-TFC247WF-V01

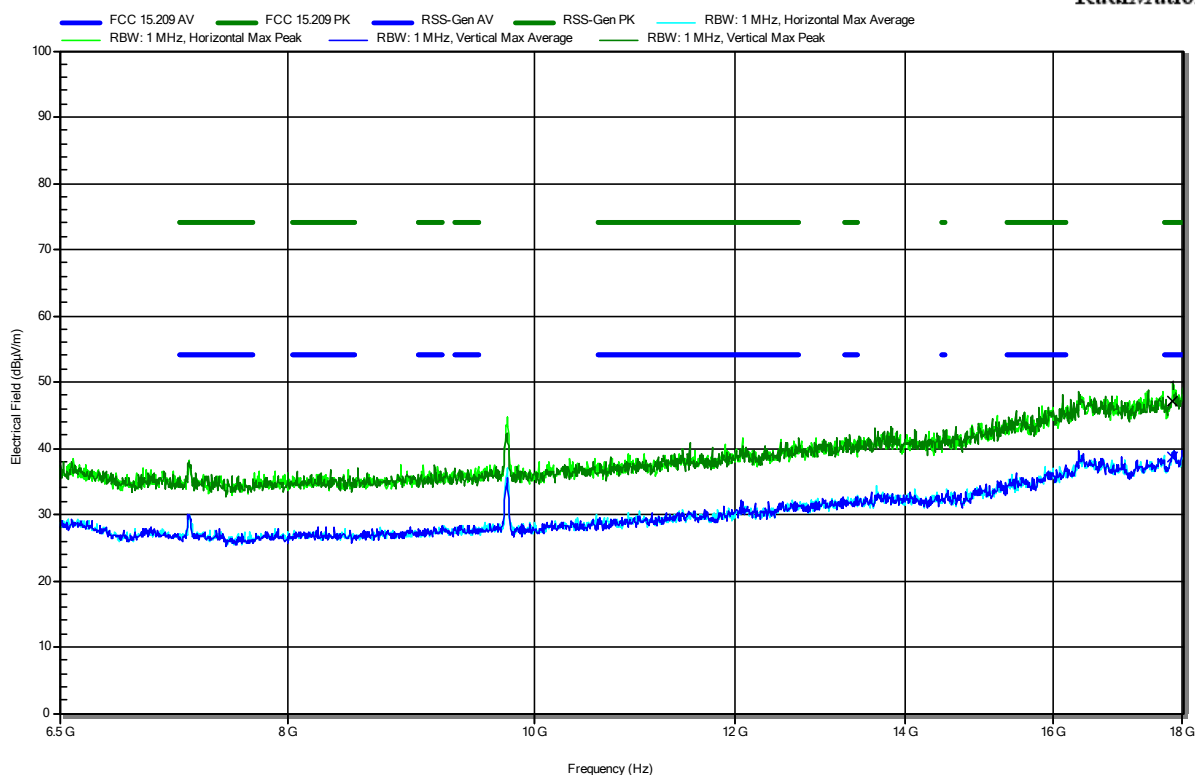
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR 15.247

Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 39285 (Serial Number 0S-02)
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120 VAC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 2437 MHz, 6 Mbit/s
 Test Date: 2022-03-28
 Note:

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RadiMation



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
17.838 GHz	47.01 dBV/m	74 dBV/m	-26.99 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
17.838 GHz	38.68 dBV/m	54 dBV/m	-15.32 dB	Pass	Vertical

Test Report No.: G0M-2203-1368-TFC247WF-V01

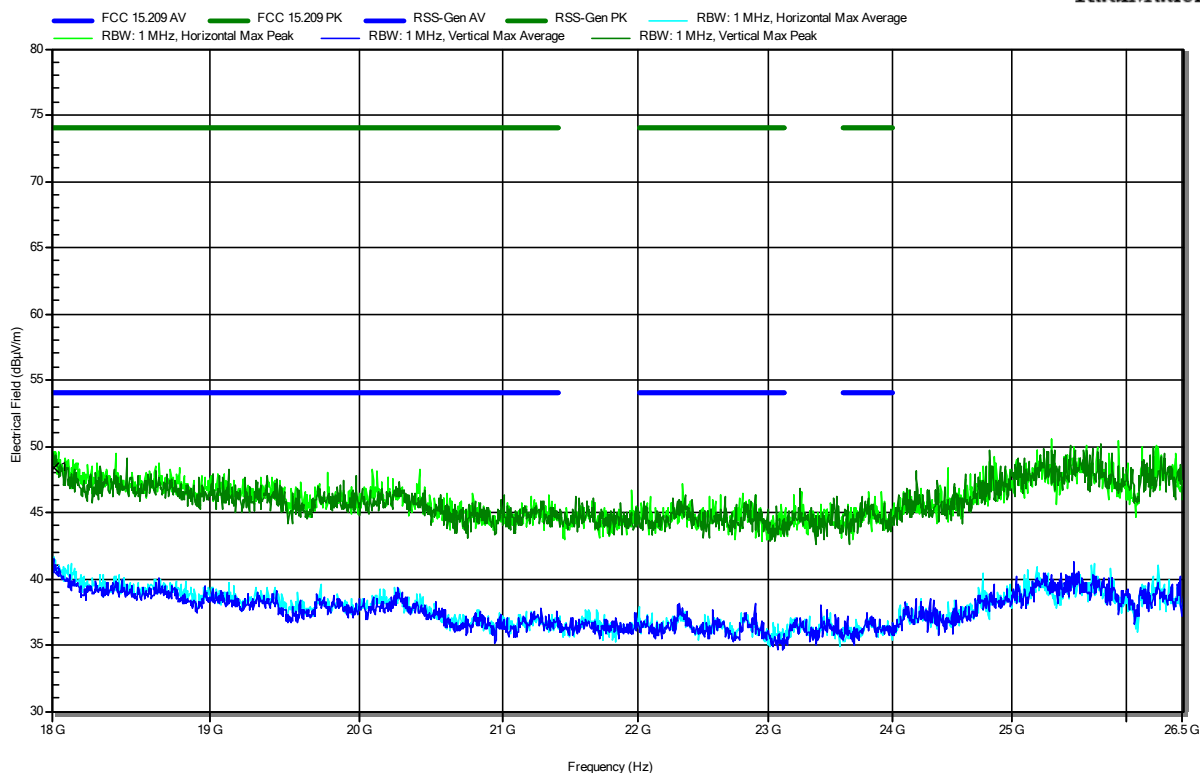
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR 15.247

Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4
 Test Sample ID: 39285 (Serial Number 0S-02)
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120 VAC
 Antenna: Amplifier Research AT4560
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 2437 MHz, 6 Mbit/s
 Test Date: 2022-03-28
 Note:

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RadiMation

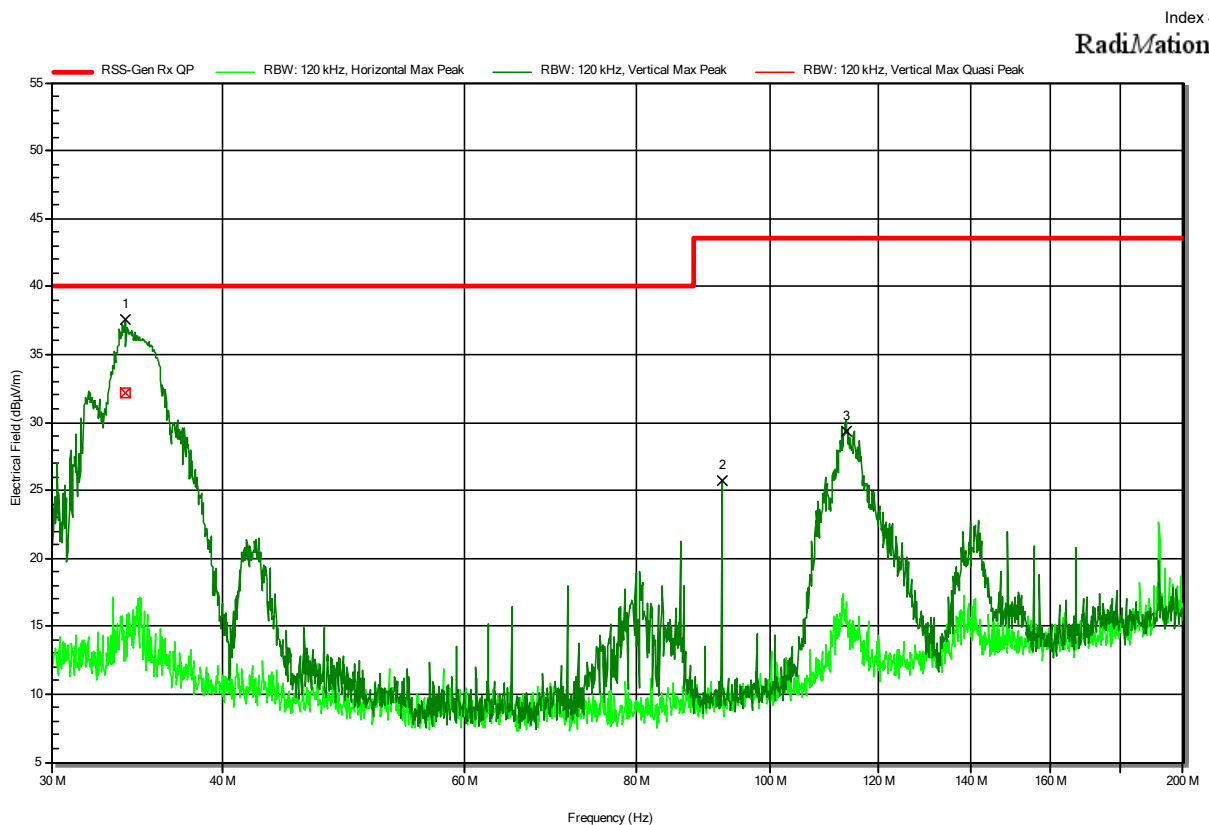


Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
18.014 GHz	48.38 dBμV/m	74 dBμV/m	-25.62 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
18.014 GHz	40.51 dBμV/m	54 dBμV/m	-13.49 dB	Pass	Vertical

ANNEX A Receiver spurious emissions

Radiated Spurious Emissions according to RSS-247 Issue 2

Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4xyW; x: Power Cord Connector Type; y: Case Color
 Test Sample ID: 39285 (Serial Number 0S-02)
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120 VAC
 Antenna: Rohde & Schwarz HK 116
 Measurement distance: 3 m
 Mode: Rx; IEEE802.11; 2437 MHz
 Test Date: 2022-03-28
 Note:



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
92.3007 MHz	25.8 dBµV/m	43.5 dBµV/m	-17.74 dB	Pass	Vertical
113.7377 MHz	29.4 dBµV/m	43.5 dBµV/m	-14.13 dB	Pass	Vertical

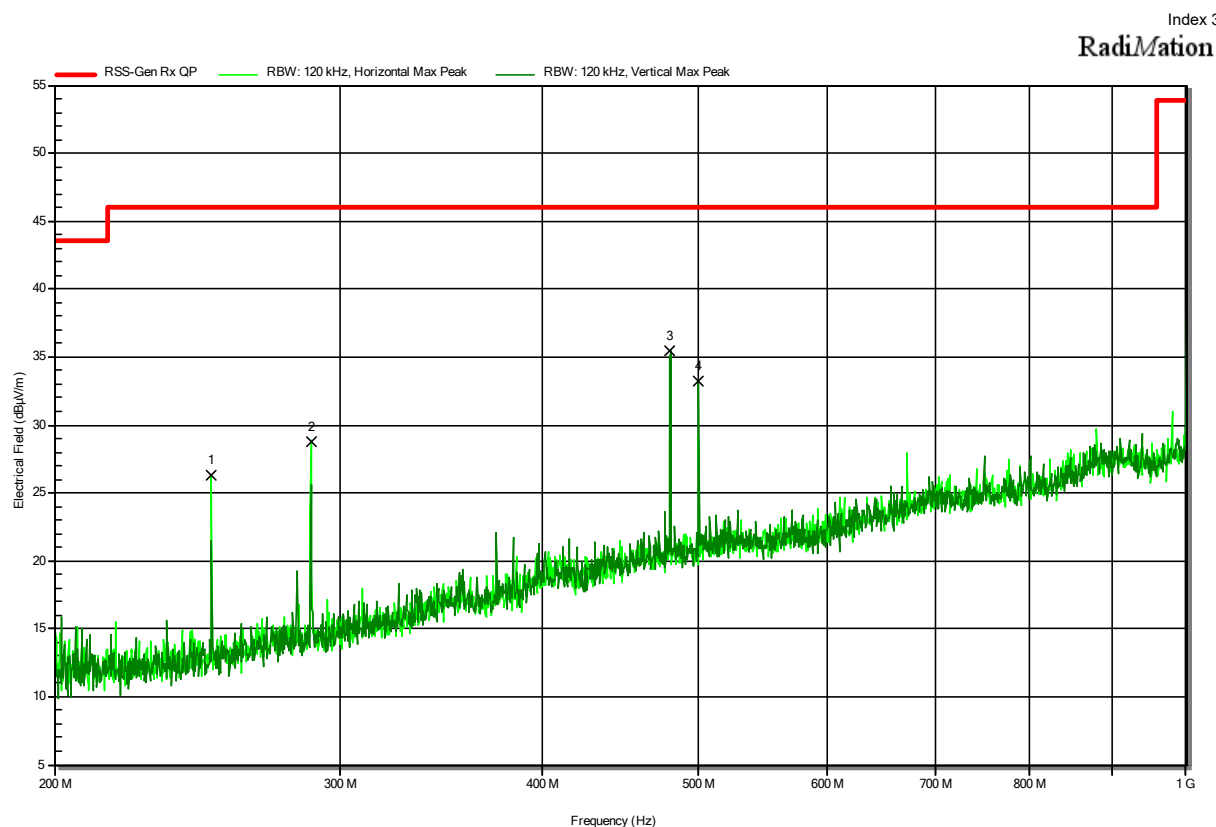
Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	Polarization
33.9822 MHz	32.1 dBµV/m	40 dBµV/m	-7.85 dB	Pass	Vertical

Test Report No.: G0M-2203-1368-TFC247WF-V01

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

Radiated Spurious Emissions according to RSS-247 Issue 2

Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4xyW; x: Power Cord Connector Type; y: Case Color
 Test Sample ID: 39285 (Serial Number 0S-02)
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120 VAC
 Antenna: Rohde & Schwarz HL 223
 Measurement distance: 3 m
 Mode: Rx; IEEE802.11; 2437 MHz
 Test Date: 2022-03-28
 Note:



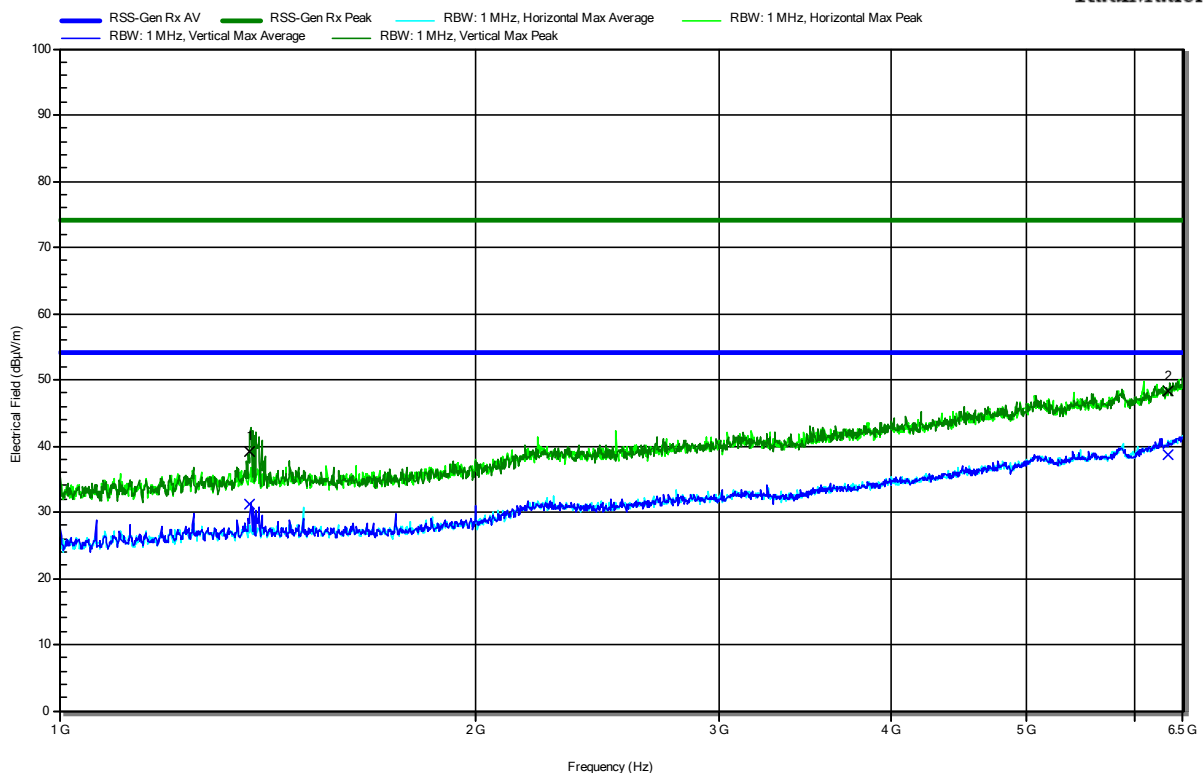
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
250 MHz	26.3 dBµV/m	46 dBµV/m	-19.73 dB	Pass	Horizontal
288 MHz	28.7 dBµV/m	46 dBµV/m	-17.28 dB	Pass	Horizontal
480.12 MHz	35.4 dBµV/m	46 dBµV/m	-10.58 dB	Pass	Vertical
500 MHz	33.3 dBµV/m	46 dBµV/m	-12.72 dB	Pass	Vertical

Radiated Spurious Emissions according to RSS-247 Issue 2

Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4xyW; x: Power Cord Connector Type; y: Case Color
 Test Sample ID: 39285 (Serial Number 0S-02)
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120 VAC
 Antenna: Schwarzbeck BBHA 9120D
 Measurement distance: 3 m
 Mode: Rx; IEEE802.11; 2437 MHz
 Test Date: 2022-03-28
 Note:

Index 2

RadiMation



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
1.375 GHz	39.21 dBµV/m	74 dBµV/m	-34.79 dB	Pass	Vertical
6.34 GHz	48.42 dBµV/m	74 dBµV/m	-25.58 dB	Pass	Vertical

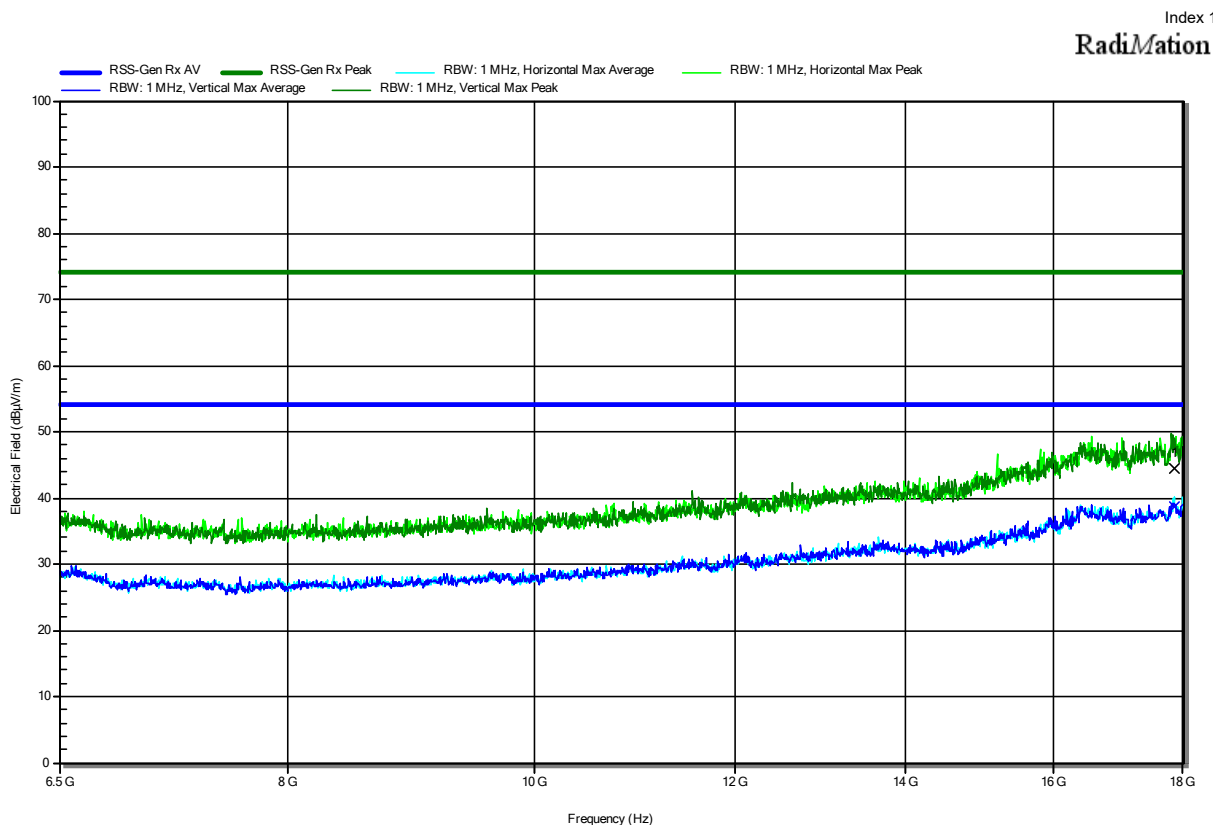
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
1.375 GHz	31.14 dBµV/m	53.98 dBµV/m	-22.84 dB	Pass	Vertical
6.34 GHz	38.57 dBµV/m	53.98 dBµV/m	-15.41 dB	Pass	Vertical

Test Report No.: G0M-2203-1368-TFC247WF-V01

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

Radiated Spurious Emissions according to RSS-247 Issue 2

Project Number: G0M-2203-1368
 Applicant: Alator AG
 Model Description: Food Processor
 Model: Pacojet 4xyW; x: Power Cord Connector Type; y: Case Color
 Test Sample ID: 39285 (Serial Number 0S-02)
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120 VAC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Rx; IEEE802.11; 2437 MHz
 Test Date: 2022-03-28
 Note:



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
17.85 GHz	44.36 dBµV/m	74 dBµV/m	-29.64 dB	Pass	Horizontal
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
17.85 GHz	38.67 dBµV/m	53.98 dBµV/m	-15.31 dB	Pass	Horizontal

== = END OF TEST REPORT == =

Test Report No.: G0M-2203-1368-TFC247WF-V01

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