

	EMC TEST REPORT			
FCC CFR Title 47 / Chapter I / Subchapter A / Part 15 / Subpart B				
ISED ICES-003 Issue 7				
Report Reference No G0M-2306-2109-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, RegNo.: 96970			
Applicant	Vaisala Oy			
Address	Vanha Nurmijärventie 21 01670 Vantaa Finland			
Test Specification Standard(s)	FCC CFR Title 47 / Chapter I / Subchapter A / 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	Ground Check Device RI41			
Model(s)	RI41-B			
Additional Model(s)	None			
Brand Name(s)	None			
Hardware Version(s)	D			
Software Version(s)	2.05			
FCC-ID	2AO39-RI41			
IC	23830-RI41			
Test Result	PASSED			

Test Report No.: G0M-2306-2109-EF0115B-V01



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 requiremen	nt	F(FAIL)	
Testing:	MARKA SANDARA		
Date of receipt of test item		2023-09-12	
Report:		•	
Compiled by	Stephan Liebich		
Tested by (+ signature) (Responsible for Test)	Stephan Liebich	1	
Approved by (+ signature) (Deputy Head of Lab)	Jens Marquardt		7-81
Date of Issue	2023-11-06		de des se instrumente de la companya del companya de la companya de la companya del companya de la companya del la companya de
Total number of pages	35		
General Remarks:			

#### 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.

Statement concerning the uncertainty of the measurement systems used for decisions on conformity (decision rule):

The Decision Rule is applied on the basis of CISPR 16-4-2 and/or IEC 61000-4-x (TR 61000-1-6) and their national publications. 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.

Compliance or non-compliance with a disturbance limit is determined in the following manner.

- If U<sub>lab</sub> is less than or equal to U<sub>cispr</sub>, then: compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit; non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.
- If U<sub>lab</sub> is greater than U<sub>cispr</sub>, then: compliance is deemed to occur if no measured disturbance level, increased by (U<sub>lab</sub> U<sub>cispr</sub>), exceeds the disturbance limit; non-compliance is deemed to occur if any measured disturbance level, increased by (U<sub>lab</sub> U<sub>cispr</sub>), exceeds the disturbance limit.

Where appropriate for the test, for example for EMC pulsed immunity tests, the laboratory has demonstrated, by calibrating its equipment and facilities, that it complies with the above requirements and therefore no allowance of uncertainties has been given to the tolerances.

Additional Comments:	
None	



Additional variants have been declared by the manufacturer. The listed models were not tested, evaluated or assessed in no way.			
	Product Type Description	Ground Check Device RI41	
	Model Name	RI41-B	
Additional Model 1	Brand Name (optional)	None	
	Hardware Version	В	
	Software Version	2.05	
Additional Model 2	Product Type Description	Ground Check Device MWH322	
	Model Name	MWH322USB	
	Brand Name (optional)	None	
	Hardware Version	В	
	Software Version	2.05	



## **ABBREVIATIONS AND ACRONYMS**

	Acronyms		
Acronym	Description		
EUT	Equipment Under Test		
FCC	Federal Communications Commission		
ISED	Innovation, Science and Economic Development Canada		
T <sub>NOM</sub>	Nominal operating temperature		
$V_{NOM}$	Nominal supply voltage		



## **VERSION HISTORY**

		Version History	
Version	Version Issue Date Remarks Revised By		
01	2023-11-06	Initial Release	



## **REPORT INDEX**

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## 1 Equipment (Test Item) Under Test

Description	Ground Check Dev	ice RI41		
Intended Use	Radiosonde ground check is an essential part of reliable sounding operations. With Ground Check Device RI41, each radiosonde is checked prior to launch to detect possible damages occurred, for example, during transportation, and to guarantee high measurement accuracy of PTU measurements. New GEN4 technologies make this possible in an easy to-use and maintenance-free way.			
Model	RI41			
Additional Model(s)	None			
Brand Name(s)	None			
Hardware Version(s)	D			
Software Version(s)	2.05			
Number of tested samples	1			
Comple Identification	EUT#	Sample-ID	Serial Number	
Sample Identification	EUT 1	45532	V1020006	
EUT Dimensions [cm]	6.3 x 12.5 x 32.7	6.3 x 12.5 x 32.7		
FCC-ID	2AO39-RI41	2AO39-RI41		
IC	23830-RI41			
Class	Class B			
Equipment type	Table top	Table top		
Highest internal frequency [MHz]	24			
Protective Earth	No			
Functional Earth	No			
Radio Module	None			
	V <sub>NOM</sub>	5.00 V DC via USB of	connection	
Supply Voltage	V <sub>MIN</sub>	4.75 V DC via USB of	connection	
	V <sub>MAX</sub>	V <sub>MAX</sub> 5.25 V DC via USB connection		
AC/DC-Adaptor	None			
Manufacturer	Vaisala Oy Vanha Nurmijärventie 21 01670 Vantaa Finland			
Factory	Vaisala Oyj Vanha Nurmijärver 01670 Vantaa Finland	itie 21	_	

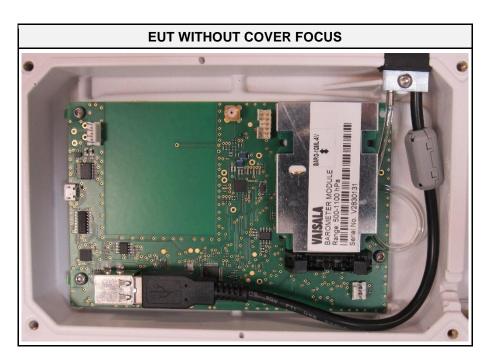


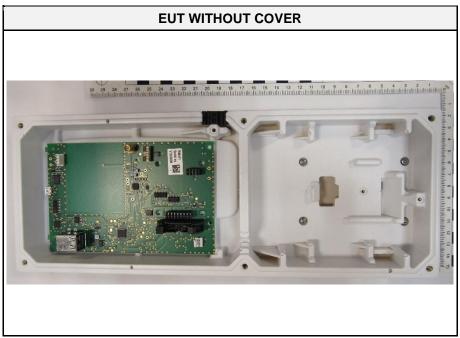
## 1.1 Equipment Ports

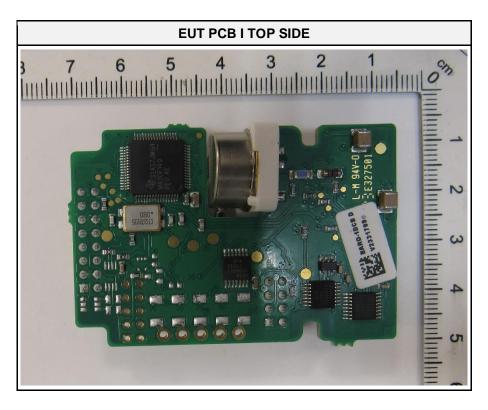
Name	Туре	Attribu	ıtes	Comment
USB	DC	Count: Cable length [m]: Direction: Service only: Shielded:	1 2 IO No Yes	Powering and communication
Description:				
DC	DC power input/output port			
Ю	Input/Output port			

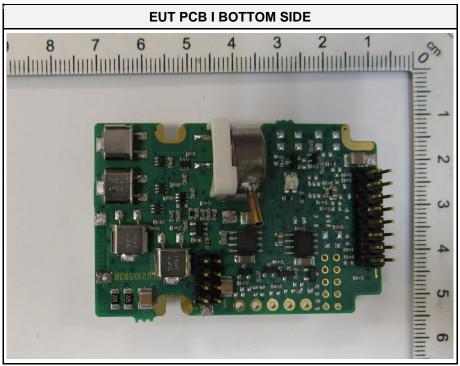


## 1.2 Equipment Photos - Internal

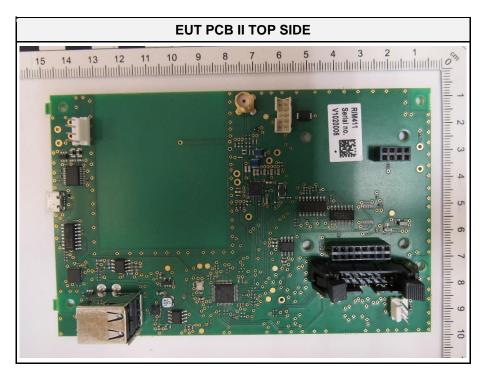


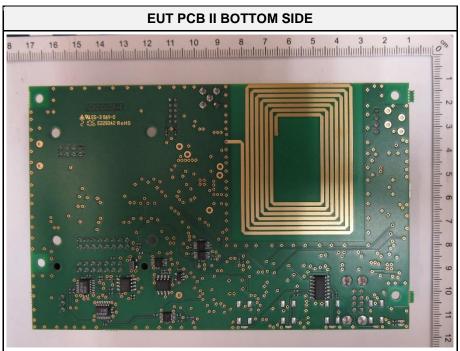






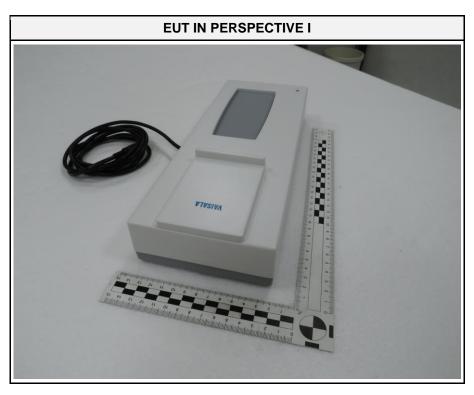






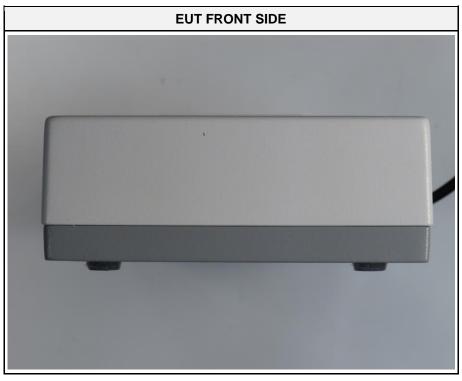


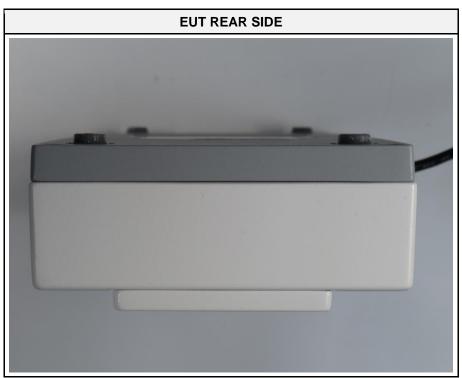
## 1.3 Equipment Photos - External

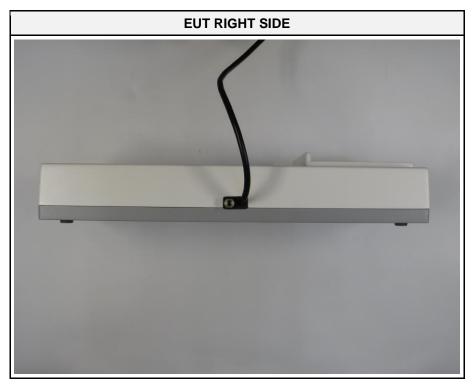


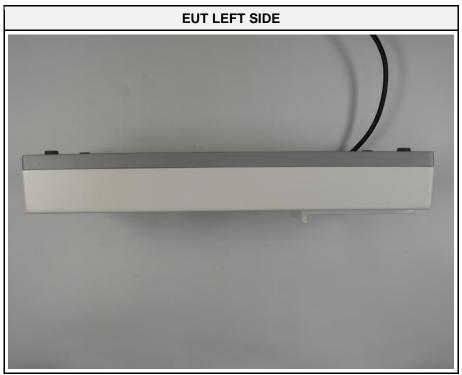


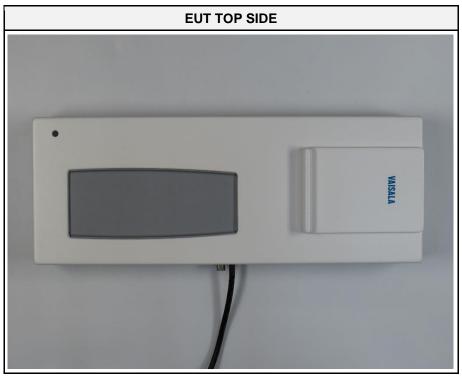


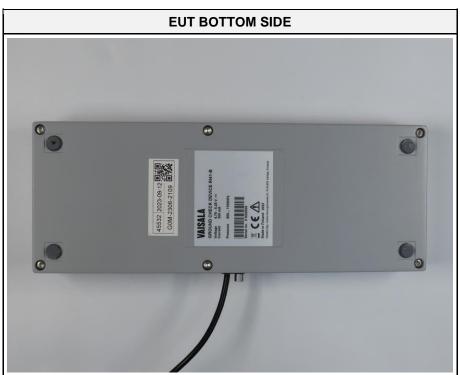














#### **EUT LABEL**

# VAISALA

## **GROUND CHECK DEVICE RI41-B**

4.75 - 5.25 V === Voltage Current 300 mA

Pressure 500... 1100hPa





Made in Finland 2023

Vaisala Oyj, Vanha Nurmijärventie 21, FI-01670 Vantaa, Finland

#### **EUT LABEL DRAFT**

## **VAISALA**

**GROUND CHECK DEVICE RI41** 

Model: RI41

Operating voltage 4.75-5.25 V == 300 mA

500-1100 hPa Pressure

FCC 2AO39-RI41 IC 23830-RI41

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAN ICES3(B) / NMB3(B)

UK address: Vaisala Ltd, 6230 Bishops Court, Birmingham B37 7YB

Made in Finland, 10/2023

Vaisala Oyj, Vanha Nurmijärventie 21,

FI-01670 Vantaa, Finland

Serial No. X1234567





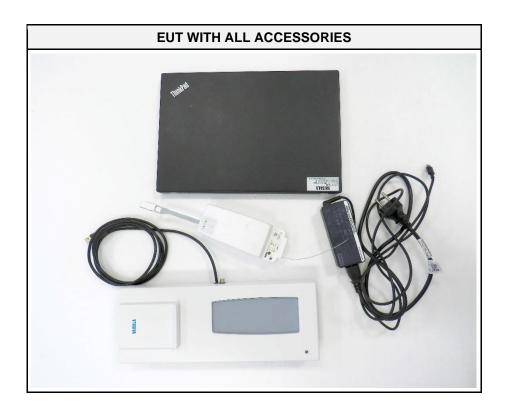














## 1.4 Support Equipment

Product Type	Device	Manufacturer	Model	Comment
AE	Radiosonde	Vaisala	RS41	
AE	Laptop	Lenovo	ThinkPad T490s	OS: Windows 10 pro; S/N: PC05HRRV AC/DC adapter: (8SSA10M13945L1 CZ85F0697)
SW	Monitoring software	Vaisala	Radiosonde Test UI	Version 1.1.8420 revision 27373
Description:				
AE	Auxiliary Equipment			
SW	Software			
Comment:				

## 1.5 Operational Modes

Mode #	Description
1	EUT is continuously reading data from the connected radiosonde via RFID connection (13.56 MHz, max. power).
	EUT send status data permanently to Laptop via USB connection
Comment:	

## 1.6 EUT Configuration

Configuration #	Description
1	EUT is connected to the Laptop via USB connection and powered over the USB port.  Laptop is powered over internal battery.  Radiosonde is turned on and placed in the holder.
2	EUT is connected to the Laptop via USB connection and powered over the USB port. Laptop is powered over the AC/DC adapter. AC/DC adapter is powered via external laboratory power supply unit. Radiosonde is turned on and placed in the holder.
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:

Reading on Analyser (dBμV) + A.F. (dB/m) = Net field strength (dBμV/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  $dB\mu V/m$ ). The FCC limits are given in units of  $\mu V/m$ . The following formula is used to convert the units of  $\mu V/m$  to  $dB\mu V/m$ :

Limit (dB $\mu$ V/m) = 20\*log ( $\mu$ 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 $\mu$ V + 26 dB/m = 47.5 dB $\mu$ V/m : 47.5 dB $\mu$ V/m - 57.0 dB $\mu$ V/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		

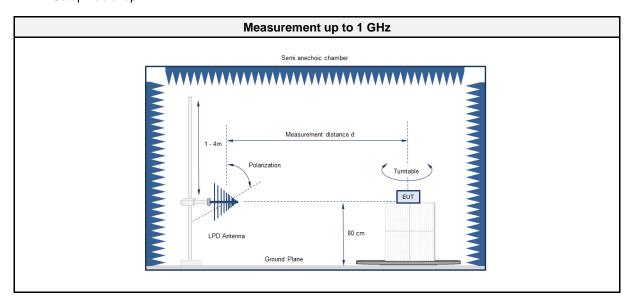


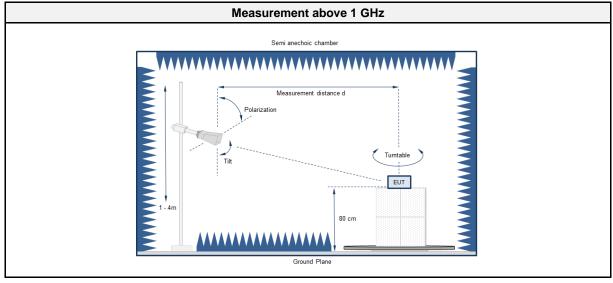
#### 2.1 Test Conditions and Results - Radiated emissions acc. to ANSI C63.4

#### 2.1.1 Information

	Test Information			
Reference	FCC 15.109, ICES-003, 3.2.2			
Reference method	ANSI C63.4 Section 8			
Equipment class	Class B			
Equipment type	Table top			
Highest internal frequency [MHz]	24			
Measurement range	30 MHz to 1000 MHz			
Temperature [°C]	20 – 25			
Humidity [%]	40 – 50			
Operator	Pawel Skotnicki			
Supervisor	Stephan Liebich			
Date	2023-09-15			
EUT#	1			

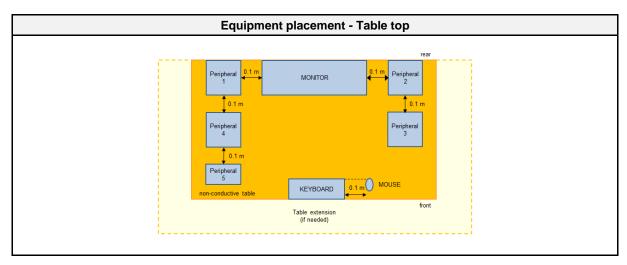
#### 2.1.2 Setup Table top:

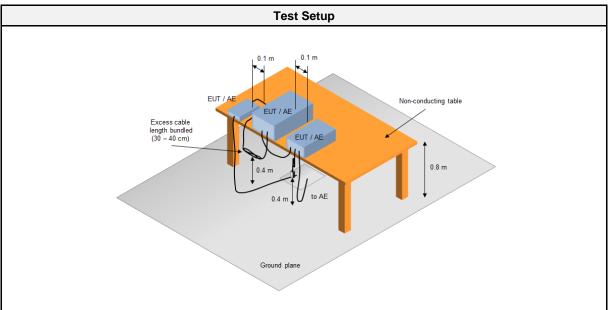




Test Report No.: G0M-2306-2109-EF0115B-V01









## 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	2022-11	2025-11	
Anechoic chamber (SVSWR)	Frankonia	AC 1	EF01011	2022-11	2023-11	
EMI Test Receiver	Keysight	N9038A- 526/WXP	EF01070	2023-02	2024-02	
Trilog Broadband Antenna	Schwarzbeck	VULB 9168	EF01824	2022-10	2023-10	
Climatic Sensor	Embedded Data Systems, LLC.	2800100000254 17E	EF01054	2023-07	2024-07	



#### 2.1.4 Procedure

#### **Exploratory measurement Table top**

- 1. The EUT was placed on a non-conductive table at a height of 0.8 m.
- 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 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 3 m Table top

- 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.
- A broadband hybrid antenna was used for the frequency range 30 MHz to 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

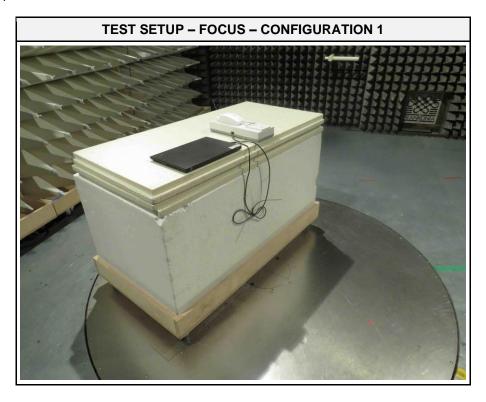
	Class B @ 3 m				
Frequency [MHz]	Detector	Limit [dBµV/m]			
30 – 88	Quasi-peak	40			
88 – 216	Quasi-peak	43.5			
216 - 960	Quasi-peak	46			
960 - 1000	Quasi-peak	54			
> 1000	Peak Average	74 54			

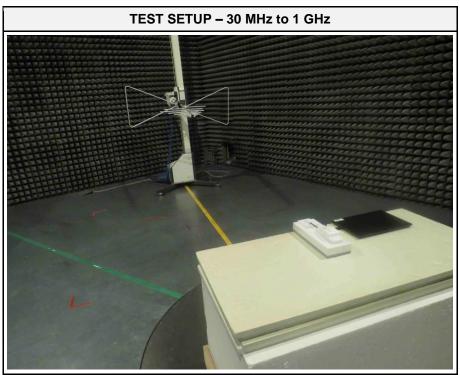
#### 2.1.6 Results

Test Results				
Operational mode	EUT Configuration	Verdict	Remark	
1	1	PASS		
Note: USB cable length is 2	Note: USB cable length is 2 m.			



### 2.1.7 Setup Photos







#### 2.1.8 Records

## Radiated emissions according to FCC part 15B

Project Number: G0M-2306-2109 Applicant: Vaisala Oyj

Model Description: Ground Check Device RI41

Model: RI41-B Test Sample ID: 45532

Test Site: Eurofins Product Service GmbH

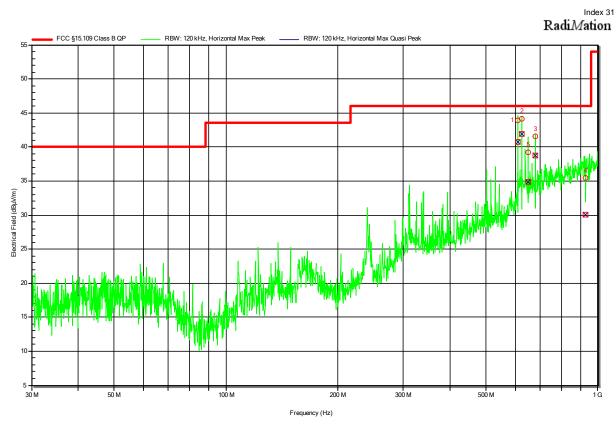
Operator: Mr. Skotnicki
Test Date: 2023-09-15

Operating Conditions: ambient temperature: 24 °C

power input: 5 V DC (USB)

Antenna: Schwarzbeck VULB 9168, Horizontal

Measurement Distance: 3 m
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	610.212 MHz	40.74 dBµV/m	46.02 dBµV/m	-5.29 dB	Pass	110 degrees	1.4 m
2	623.766 MHz	41.96 dBµV/m	46.02 dBµV/m	-4.06 dB	Pass	110 degrees	1.4 m
3	678.011 MHz	38.74 dBµV/m	46.02 dBµV/m	-7.28 dB	Pass	110 degrees	1.4 m
4	927.467 MHz	30.1 dBµV/m	46.02 dBµV/m	-15.92 dB	Pass	110 degrees	1.4 m
5	650.831 MHz	34.87 dBµV/m	46.02 dBµV/m	-11.15 dB	Pass	110 degrees	1.4 m



## Radiated emissions according to FCC part 15B

Project Number: G0M-2306-2109
Applicant: Vaisala Oyj

Model Description: Ground Check Device RI41

Model: RI41-B Test Sample ID: 45532

Test Site: Eurofins Product Service GmbH

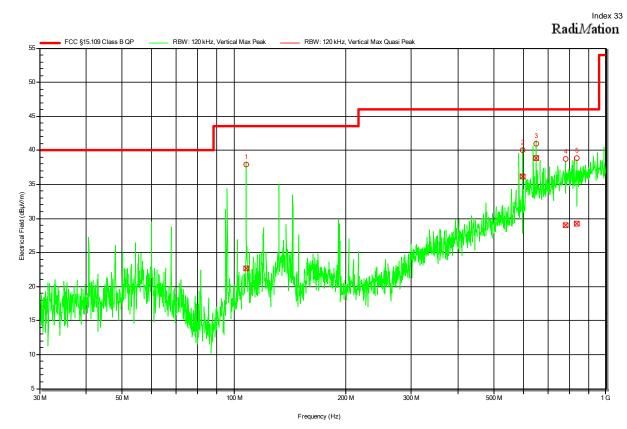
Operator: Mr. Skotnicki
Test Date: 2023-09-15

Operating Conditions: ambient temperature: 24 °C

power input: 5 V DC (USB)

Antenna: Schwarzbeck VULB 9168, Vertical

Measurement Distance: 3 m
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	107.902 MHz	22.65 dBµV/m	43.52 dBµV/m	-20.87 dB	Pass	-120 degrees	1 m
2	596.646 MHz	36.11 dBµV/m	46.02 dBµV/m	-9.91 dB	Pass	-120 degrees	1 m
3	650.891 MHz	38.87 dBµV/m	46.02 dBµV/m	-7.15 dB	Pass	-120 degrees	1 m
4	781.125 MHz	28.97 dBµV/m	46.02 dBµV/m	-17.05 dB	Pass	-120 degrees	1 m
5	836.503 MHz	29.26 dBµV/m	46.02 dBµV/m	-16.77 dB	Pass	-120 degrees	1 m

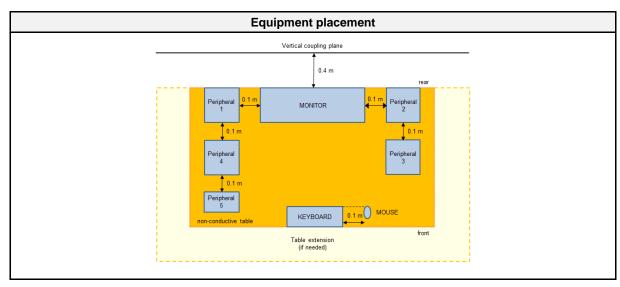


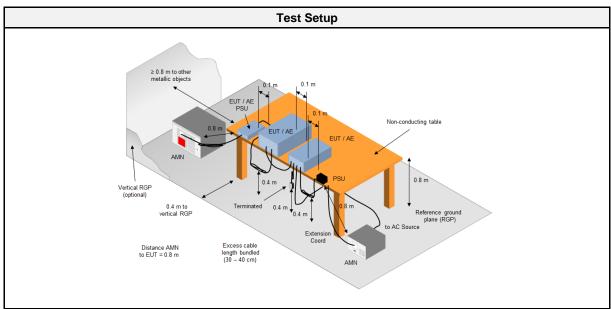
#### 2.2 Test Conditions and Results - Conducted emissions acc. to ANSI C63.4

#### 2.2.1 Information

Test Information			
Reference	FCC 15.107, ICES-003, 3.2.1		
Reference method	ANSI C63.4 Section 12		
Measurement range	150 kHz to 30 MHz		
Equipment class	Class B		
Equipment type	Table top		
Temperature [°C]	20 – 25		
Humidity [%]	40 – 50		
Operator	Pawel Skotnicki		
Supervisor	Stephan Liebich		
Date	2023-09-14		
EUT#	1		

#### 2.2.2 Setup Table top





Test Report No.: G0M-2306-2109-EF0115B-V01



#### 2.2.3 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	
AMN	Schwarzbeck	NSLK 8127	EF01592	2023-06	2024-06	
Pulse Limiter	R&S	ESH3-Z2	EF01063	2023-08	2025-08	
EMI Test Receiver	R&S	ESR 7	EF00943	2023-08	2024-08	
Climatic Sensor	Embedded Data Systems, LLC.	2800100000254 17E	EF01054	2023-07	2024-07	

#### 2.2.4 Procedure

#### **Exploratory measurement Table top**

- 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 150 kHz 30 MHz 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 Table Top**

- 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				

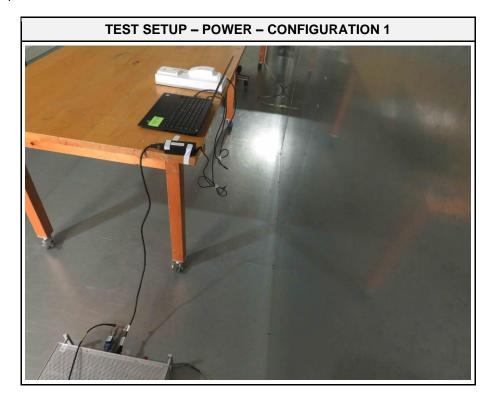


#### 2.2.6 Results

AC power line conducted emissions					
Port	Coupling	Operational mode	EUT Configuration	Verdict	Remark
Power	AMN	1	2	PASS	120 V AC / 60 Hz
Note: Power cable length cable is 1 m, all other cable lengths see support equipment table.					



### 2.2.7 Setup Photos





#### 2.2.8 Records

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

Project Number: G0M-2306-2109 Applicant: Vaisala Oyj

Model Description: Ground Check Device RI41

Model: RI41-B Test Sample ID: 45532

Test Site: Eurofins Product Service GmbH

Operator: Mr. Skotnicki
Test Date: 2023-09-14

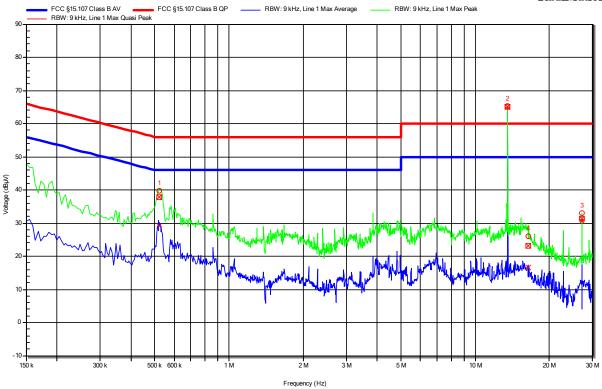
Operating Conditions: ambient temperature: 24 °C

power input: 120 V AC / 60 Hz

LISN: Schwarzbeck NSLK 8127

Operational Mode: 1
EUT Configuration: 2
Applied to Port: Power
Note 1: --







Peak Number	Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	LISN
1 2	519.9 kHz 13.56 MHz	37.78 dBµV SRD carrier	56 dBμV	-18.22 dB	Pass	Line 1 Line 1
3 4	27.12 MHz 16.4 MHz	31.29 dBμV 23.08 dBμV	60 dΒμV 60 dΒμV	-28.71 dB -36.92 dB	Pass Pass	Line 1 Line 1
Peak Number	Frequency	Average	Average Limit	Average Difference	Average Status	LISN
1 2	519.9 kHz 13.56 MHz	29.2 dBµV SRD carrier	46 dBμV	-16.8 dB	Pass	Line 1 Line 1
3 4	27.12 MHz 16.4 MHz	30.49 dBμV 16.61 dBμV	50 dΒμV 50 dΒμV	-19.51 dB -33.39 dB	Pass Pass	Line 1 Line 1



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

Project Number: G0M-2306-2109
Applicant: Vaisala Oyj

Model Description: Ground Check Device RI41

Model: RI41-B Test Sample ID: 45532

Test Site: Eurofins Product Service GmbH

Operator: Mr. Skotnicki
Test Date: 2023-09-14

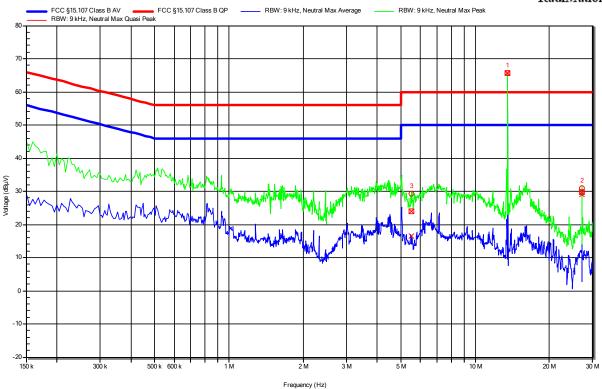
Operating Conditions: ambient temperature: 24 °C

power input: 120 V AC / 60 Hz

LISN: Schwarzbeck NSLK 8127

Operational Mode: 1
EUT Configuration: 2
Applied to Port: Power
Note 1: --

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Peak Number	Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	LISN
1	13.56 MHz	SRD carrier				Neutral
2	27.123 MHz	29.75 dBμV	60 dBμV	-30.25 dB	Pass	Neutral
3	5.516 MHz	23.98 dBµV	60 dBμV	-36.02 dB	Pass	Neutral
Peak Number	Frequency	Average	Average Limit	Average Difference	Average Status	LISN
1	13.56 MHz	SRD carrier				Neutral
2	27.123 MHz	28.99 dBµV	50 dBμV	-21.01 dB	Pass	Neutral
3	5.516 MHz	16.45 dBμV	50 dBμV	-33.55 dB	Pass	Neutral

Test Report No.: G0M-2306-2109-EF0115B-V01



## 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	150 kHz to 30 MHz, 3.35dB
Radiated Emission	30 MHz to 200 MHz @ 3m, 5.1dB 200 MHz to 1G Hz @ 3m, 5.3dB

Test Report No.: G0M-2306-2109-EF0115B-V01