



Solutions

TEST REPORT

Test Report No.: UL-RPT-EMC-14627454-116-FCC

Applicant * : Cortivision sp. z o.o.
Model Number * : C20
FCC ID * : FCC ID: 2A924-PHC20
Technology * : Bluetooth (BR/ EDR) 2.4 GHz
Test Standard(s) : **FCC Part 15.107 & 15.109**

1. This test report shall not be reproduced in full or partial, without the written approval of UL International Germany GmbH.
2. The results in this report apply only to the sample tested.
3. The test results in this report are traceable to the national or international standards.
4. Test Report Version 2.1 supersedes Test Report Version 2.0
5. Result of the tested sample: PASS
6. For details of applied tests and test results refer to test results summary
7. all information marked with a * were provided by customer/ applicant or authorized representative


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Date: 02.03.2023


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Title: Staff Engineer
Date: 03.03.2023



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The tests reported herein have been performed in
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1. Customer Information *

1.1. Applicant information

Company Name:	Cortivision sp. z o.o.
Company Address:	Aleja Warszawska 47, Lublin, 20-803, Poland, PL 7123384349
Contact Person:	Wojciech Broniatowski
Contact E-Mail Address:	wbroniowski@cortivision.com
Contact Phone No.:	+48 606723359

1.2. Manufacturer Information

Company Name:	Cortivision sp. z o.o.
Company Address:	Aleja Warszawska 47, Lublin, 20-803, Poland, PL 7123384349
Contact Person:	Wojciech Broniatowski
Contact E-Mail Address:	wbroniowski@cortivision.com
Contact Phone No.:	+48 606723359

2. Summary of Testing

2.1. General Information

Applied Standards

Specification Reference:	47CFR15.107 and 47CFR15.109
Specification Title:	Code of Federal Regulations Volume 47 (Telecommunications): Part 15 Subpart B (Unintentional Radiators) – Sections 15.107 and 15.109
Test Firm Registration:	399704

Location

Location of Testing:	UL International Germany GmbH Hedelfinger Str. 61 70327 Stuttgart Germany
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Date information

Order Date:	21.12.2022
EUT arrived:	27.01.2023
Test Dates:	01.02.2023 – 03.02.2023
EUT returned:	-/-

2.2. Summary of Test Results

Clause	Measurement	Complied	Did not complied	Not performed	Not applicable
Part 15.107 (a)	AC Conducted Emissions	☒	☐	☐	☐
Part 15.109 (a)	Radiated Emissions	☒	☐	☐	☐
Decision rule: If the decision rule is not included in the applied customer specification or testing standard, the binary statement for simple acceptance, as defined in ILAC G8: 2019 Section 4.2.1, is applied as the decision rule for a pass/ fail statement. If the measured value is on the limit, the result is defined as a pass. In this case the risk of a false positive is 50%. For further information regarding risk assessment refer to ILAC G8: 2019.					

Note: Complies with class B limits.

Information regarding class A and class B devices

Excerpt of Title 47 chapter I Part 15 subchapter A § 15.3 Definitions

(h) *Class A digital device.* A digital device that is marketed for use in a commercial, industrial or business environment, exclusive of a device which is marketed for use by the general public or is intended to be used in the home.

(i) *Class B digital device.* A digital device that is marketed for use in a residential environment notwithstanding use in commercial, business and industrial environments. Examples of such devices include, but are not limited to, personal computers, calculators, and similar electronic devices that are marketed for use by the general public.

Details regarding the necessary statement in the text of the manual for a Class A or a Class B digital device or peripheral can be found in Title 47 chapter I Part 15 subpart B § 15.105 Information to the user.

2.3. Method and procedure

Reference:	ANSI C63.4-2014; ANSI C63.4a-2017
Title:	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz.
Reference:	KDB 174176 D01 Line Conducted FAQ v01r01 June 3, 2015
Title:	AC Power-Line Conducted Emissions Frequently Asked Questions

2.4. Deviations from the Test Specification

For the measurements contained within this test report, there were no deviations from, additions to, or exclusions from the test specification identified above.

3 Equipment Under Test (EUT)

3.1 Identification of Equipment Under Test (EUT) *

EUT Description:	Functional near-infrared spectroscope
Brand Name:	PHOTON CAP
Model Name or Number:	C20
Test Sample Serial Number:	C2023 052 (1000 mAh battery version); C2023 053 (2000 mAh battery version)
Hardware Version Number:	3.6A
Firmware Version Number:	3.1.5
FCC ID	FCC ID: 2A924-PHC20

3.2 Description of Equipment Under Test (EUT) *

The equipment under test was a functional near-infrared spectroscope. Product used for scientific experiments, to monitor brain activity but not for medical nor clinical purposes.

3.3 Modifications Incorporated in the EUT

No modifications were applied to the EUT during testing.

3.4 Operating Modes

Mode Reference	Definition
Mode 1	Charging Mode: The EUT was charged with the external AC/DC adapter. The EUT was deactivated.
Mode 2:	Charging and Operating Mode: The EUT was charged with the external AC/DC adapter. The EUT was activated. Bluetooth was in advertising mode.

3.5 Additional Information Related to Testing

Type of Device:	Intentional Radiator	
Power Supply Requirement(s) *:	Nominal	AC Adapter: AC Input: 100 – 240 V, 50 – 60 Hz, 1.0 – 0.5 A DC Output: 5 V, 2.4 A Internal Battery (C2023 052): 3.7 V, 1000 mAh, 3.7 Wh Internal Battery (C2023 053): 3.7 V, 2000 mAh, 7.4 Wh
Highest Internal frequency generated/ used *:	2.4 GHz	

3.6 Support Equipment

The following support equipment was used to exercise the EUT during testing:

A. Support Equipment (In-house)

Item	Description	Brand Name	Model Name or Number	Serial Number
1	-/-	-/-	-/-	-/-

B. Support Equipment (Manufacturer supplied) *

Item	Description	Brand Name	Model Name or Number	Serial Number
1	Medical AC Adapter	CUI Inc	SMM12-5-RV-U	204900610
2	Optode Bundle with 27 Sensors (fixed connected)	Cortivision	-/-	02723042

C. Interconnecting cables and Ports (Manufacturer/Applicant supplied) *

Item	Description	Port type	Quantity	Length of attached cable(s)
1	USB 2.0 Cable	A (male) / micro B (male)	1	1.8 m
2	Ribbon Cable	50 pole connectors (female)	1	0.8 m

4 Operation and Monitoring of the EUT during Testing

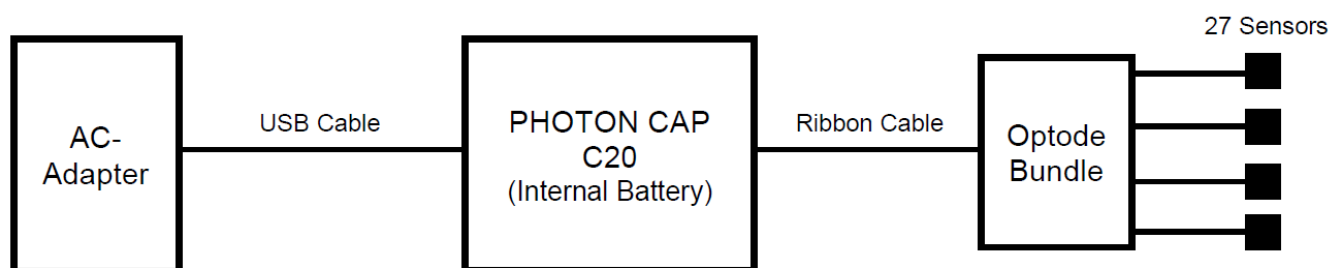
4.1 Operating Modes

The EUT was tested in the following operating mode(s):	
☐	Transmitting Mode
☒	Idle Mode
☐	Receiving Mode
☐	Unintentional Radiator

4.2 Configuration and Peripherals *

EUT has been tested in following configuration:

The EUT was powered at 120 VAC 60 Hz for radiated emissions measurements and 120 VAC 60 Hz and 240 VAC 60 Hz for conducted emissions measurements:



5 Measurement Uncertainty and Sample Calculation

5.1 Overview

Measurement uncertainties are evaluated in accordance with current best practice. Our reported expanded uncertainties are based on standard uncertainties, which are multiplied by an appropriate coverage factor to provide a statistical confidence level of approximately 95%.

In accordance with DAkkS requirements all the measurement equipment is on a calibration schedule. All equipment was within the calibration period on the date of testing.

Measurement Type	Range	Confidence Level (%)	Calculated Uncertainty
AC Conducted Emissions	0.15 MHz to 30 MHz	95%	±2.49 dB
Radiated Spurious Emissions	9 kHz to 30 MHz	95%	±3.17 dB
Radiated Spurious Emissions	30 MHz to 1 GHz	95%	±4.40 dB
Radiated Spurious Emissions	1 GHz to 18 GHz	95%	±4.76 dB
Radiated Spurious Emissions	18 GHz to 25 GHz	95%	±4.20 dB
Radiated Spurious Emissions	25 GHz to 40 GHz	95%	±4.76 dB

Note: all reported uncertainty values are $\leq U_{CISPR}$

5.2 Sample Calculation

5.2.1 AC Conducted Emissions:

Where relevant, the following sample calculation is provided:

Level (dB μ V) = Test Receiver reading (dB μ V) + Correction Factor (Cable Loss (dB) + LISN Insertion Loss (dB)).

$$46.6 \text{ dB}\mu\text{V} = 36.5 \text{ dB}\mu\text{V} + 10.1 \text{ dB}$$

5.2.2 Radiated Emissions:

Where relevant, the following sample calculation is provided:

Field Strength (dB μ V/m) = Test Receiver reading (dB μ V) + Correction Factor (Antenna Factor (dB/m) + Cable Loss (dB) – Preamp Gain (dB))

$$28.9 \text{ dB}\mu\text{V/m} = 36.5 \text{ dB}\mu\text{V} + 18.7 \text{ dB/m} + 0.6 \text{ dB} - 26.9 \text{ dB}$$

6 Test Results

6.1 AC Conducted Emission

6.1.1 Test Summary:

Test Engineer:	T. Koch	Test Date:	02.02.2023
Test Sample S/N:	C2023 052; C2023 053		
Test Site Identification:	SR 7/8		

Clause:	Part 15.107
Test Method:	ANSI C63.4 Section 7
Title:	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz AC Power-Line conducted emission measurements
Reference:	KDB 174176 D01 Line Conducted FAQ v01r01 June 3, 2015
Title:	AC Power-Line Conducted Emissions Frequently Asked Questions
Class:	Class B Limit

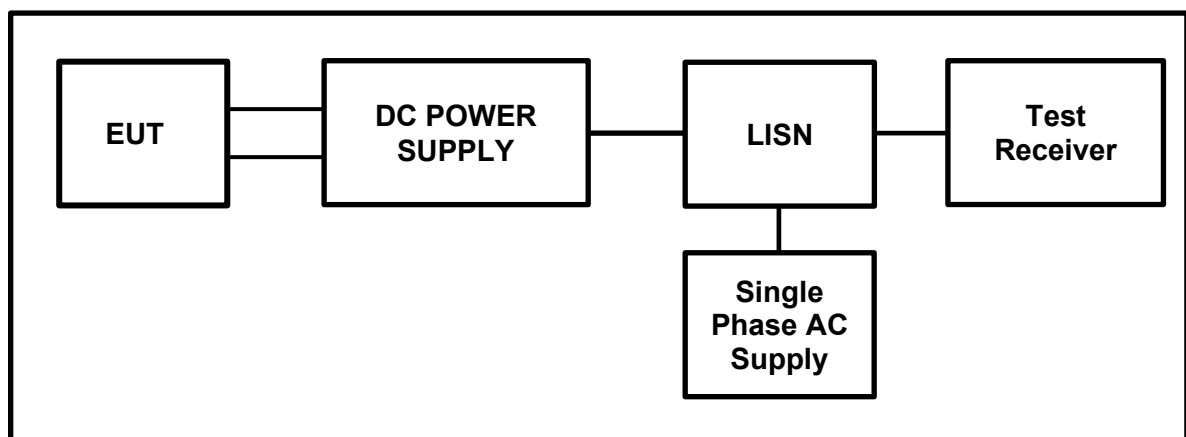
Environmental Conditions:

Temperature (°C):	23
Relative Humidity (%):	42

Note(s)

1. Measurement software used: Toyo EMI Software; CE measurement software EP5/CE Ver 4.0.1.
2. The final measured value, for the given emission, in the table below incorporates the cable loss.
Calculation: Level = test receiver reading + path loss (cable attenuation + correction LISN).
3. All other emissions shown on the pre-scan plot were investigated and found to be ambient or >20 dB below the applicable limit or below the measurement system noise floor.
4. Measurements were performed in a shielded room (SR 7/8 Asset Number 1603671). The EUT was placed at a height of 80 cm above the reference ground plane and in a distance of 40 cm from the vertical ground plane at the edge of the table.
5. Supporting equipment necessary to feed/ drive the EUT in the specified operation mode were connected to a separate LISN during testing.

6.1.2 Test Setup:



6.1.3 Numerical Results:

For EUT with S/N C2023 052:

Quasi Peak (Operating Mode 1, 120 V 60 Hz)

Frequency [MHz]	Line Phase	Reading QP [dB(μV)]	Factor [dB]	Level QP [dB(μV)]	Limit QP [dB(μV)]	Margin QP [dB]	Result
0.15717	N	27.7	9.7	37.4	65.6	28.2	complied
0.41069	N	29.7	9.7	39.4	57.6	18.2	complied
0.45702	N	29.9	9.7	39.6	56.7	17.1	complied
0.47572	N	41.2	9.7	50.9	56.4	5.5	complied
0.50920	N	35.0	9.7	44.7	56.0	11.3	complied
0.85142	N	27.9	9.7	37.6	56.0	18.4	complied
0.92951	N	28.4	9.7	38.1	56.0	17.9	complied
1.16247	N	29.5	9.8	39.3	56.0	16.7	complied
1.27084	N	28.2	9.8	38.0	56.0	18.0	complied
1.44097	N	30.8	9.8	40.6	56.0	15.4	complied
1.63071	N	30.3	9.8	40.1	56.0	15.9	complied
2.69421	N	28.0	9.9	37.9	56.0	18.1	complied
2.83008	N	28.4	9.9	38.3	56.0	17.7	complied
2.97301	N	29.3	9.9	39.2	56.0	16.8	complied
4.31490	N	25.0	10.0	35.0	56.0	21.0	complied
8.97792	N	23.0	10.0	33.0	60.0	27.0	complied
0.24333	L1	28.8	9.7	38.5	62.0	23.5	complied
0.38416	L1	32.3	9.7	42.0	58.2	16.2	complied
0.41788	L1	36.6	9.7	46.3	57.5	11.2	complied
0.45761	L1	34.2	9.7	43.9	56.7	12.8	complied
0.47678	L1	39.7	9.7	49.4	56.4	7.0	complied
0.50449	L1	38.6	9.7	48.3	56.0	7.7	complied
0.54806	L1	30.7	9.7	40.4	56.0	15.6	complied
0.60088	L1	28.3	9.7	38.0	56.0	18.0	complied
0.79772	L1	31.2	9.7	40.9	56.0	15.1	complied
0.93526	L1	27.5	9.7	37.2	56.0	18.8	complied
1.11483	L1	30.5	9.8	40.3	56.0	15.7	complied
1.16525	L1	29.0	9.8	38.8	56.0	17.2	complied
1.40548	L1	29.8	9.8	39.6	56.0	16.4	complied
1.53056	L1	26.6	9.8	36.4	56.0	19.6	complied
2.67866	L1	29.0	9.9	38.9	56.0	17.1	complied
2.96996	L1	28.3	9.9	38.2	56.0	17.8	complied
4.21544	L1	26.4	10.0	36.4	56.0	19.6	complied
8.58230	L1	25.1	10.0	35.1	60.0	24.9	complied

Average (Operating Mode 1, 120 V 60 Hz)

Frequency [MHz]	Line Phase	Reading AV [dB(μV)]	Factor [dB]	Level AV [dB(μV)]	Limit AV [dB(μV)]	Margin AV [dB]	Result
0.15717	N	16.4	9.7	26.1	55.6	29.5	complied
0.41069	N	23.4	9.7	33.1	47.6	14.5	complied
0.45702	N	22.3	9.7	32.0	46.7	14.7	complied
0.47572	N	32.6	9.7	42.3	46.4	4.1	complied
0.50920	N	29.0	9.7	38.7	46.0	7.3	complied
0.85142	N	16.4	9.7	26.1	46.0	19.9	complied
0.92951	N	15.3	9.7	25.0	46.0	21.0	complied
1.16247	N	17.9	9.8	27.7	46.0	18.3	complied
1.27084	N	15.8	9.8	25.6	46.0	20.4	complied
1.44097	N	19.1	9.8	28.9	46.0	17.1	complied
1.63071	N	18.0	9.8	27.8	46.0	18.2	complied
2.69421	N	17.6	9.9	27.5	46.0	18.5	complied
2.83008	N	17.2	9.9	27.1	46.0	18.9	complied
2.97301	N	18.5	9.9	28.4	46.0	17.6	complied
4.31490	N	16.1	10.0	26.1	46.0	19.9	complied
8.97792	N	10.4	10.0	20.4	50.0	29.6	complied
0.24333	L1	14.5	9.7	24.2	52.0	27.8	complied
0.38416	L1	17.4	9.7	27.1	48.2	21.1	complied
0.41788	L1	21.1	9.7	30.8	47.5	16.7	complied
0.45761	L1	18.0	9.7	27.7	46.7	19.0	complied
0.47678	L1	25.6	9.7	35.3	46.4	11.1	complied
0.50449	L1	23.0	9.7	32.7	46.0	13.3	complied
0.54806	L1	13.4	9.7	23.1	46.0	22.9	complied
0.60088	L1	13.0	9.7	22.7	46.0	23.3	complied
0.79772	L1	14.3	9.7	24.0	46.0	22.0	complied
0.93526	L1	11.0	9.7	20.7	46.0	25.3	complied
1.11483	L1	13.7	9.8	23.5	46.0	22.5	complied
1.16525	L1	12.5	9.8	22.3	46.0	23.7	complied
1.40548	L1	13.1	9.8	22.9	46.0	23.1	complied
1.53056	L1	10.3	9.8	20.1	46.0	25.9	complied
2.67866	L1	12.9	9.9	22.8	46.0	23.2	complied
2.96996	L1	12.9	9.9	22.8	46.0	23.2	complied
4.21544	L1	13.6	10.0	23.6	46.0	22.4	complied
8.58230	L1	15.2	10.0	25.2	50.0	24.8	complied

Result: Pass

Quasi Peak (Operating Mode 1, 240 V 60 Hz)

Frequency [MHz]	Line Phase	Reading QP [dB(μV)]	Factor [dB]	Level QP [dB(μV)]	Limit QP [dB(μV)]	Margin QP [dB]	Result
0.48029	N	38.4	9.7	48.1	56.3	8.2	complied
0.50629	N	38.7	9.7	48.4	56.0	7.6	complied
0.98122	N	34.7	9.8	44.5	56.0	11.5	complied
1.23969	N	28.9	9.8	38.7	56.0	17.3	complied
1.48028	N	33.5	9.8	43.3	56.0	12.7	complied
2.18707	N	28.3	9.8	38.1	56.0	17.9	complied
2.27661	N	28.5	9.9	38.4	56.0	17.6	complied
2.84731	N	30.2	9.9	40.1	56.0	15.9	complied
2.89794	N	30.0	9.9	39.9	56.0	16.1	complied
3.32900	N	23.6	9.9	33.5	56.0	22.5	complied
3.94547	N	25.9	9.9	35.8	56.0	20.2	complied
4.37381	N	29.2	10.0	39.2	56.0	16.8	complied
4.58542	N	27.3	10.0	37.3	56.0	18.7	complied
5.76490	N	21.2	10.0	31.2	60.0	28.8	complied
9.23701	N	19.2	10.0	29.2	60.0	30.8	complied
0.22194	L1	30.5	9.7	40.2	62.7	22.5	complied
0.25777	L1	30.7	9.7	40.4	61.5	21.1	complied
0.34968	L1	30.6	9.7	40.3	59.0	18.7	complied
0.38391	L1	30.7	9.7	40.4	58.2	17.8	complied
0.39966	L1	31.3	9.7	41.0	57.9	16.9	complied
0.42281	L1	32.2	9.7	41.9	57.4	15.5	complied
0.47780	L1	28.5	9.7	38.2	56.4	18.2	complied
0.50379	L1	36.9	9.7	46.6	56.0	9.4	complied
0.59430	L1	21.2	9.7	30.9	56.0	25.1	complied
0.82060	L1	27.9	9.7	37.6	56.0	18.4	complied
0.89507	L1	29.6	9.7	39.3	56.0	16.7	complied
0.99797	L1	29.4	9.8	39.2	56.0	16.8	complied
1.09030	L1	27.0	9.8	36.8	56.0	19.2	complied
1.38262	L1	22.8	9.8	32.6	56.0	23.4	complied
1.45405	L1	23.3	9.8	33.1	56.0	22.9	complied
1.64693	L1	25.0	9.8	34.8	56.0	21.2	complied
1.98588	L1	20.0	9.8	29.8	56.0	26.2	complied
2.08218	L1	20.0	9.8	29.8	56.0	26.2	complied
2.15750	L1	22.6	9.8	32.4	56.0	23.6	complied
2.32820	L1	25.8	9.9	35.7	56.0	20.3	complied
2.60383	L1	21.8	9.9	31.7	56.0	24.3	complied
2.74263	L1	20.1	9.9	30.0	56.0	26.0	complied
2.94591	L1	22.9	9.9	32.8	56.0	23.2	complied
3.94495	L1	21.9	9.9	31.8	56.0	24.2	complied
4.43722	L1	23.8	10.0	33.8	56.0	22.2	complied
8.91930	L1	21.7	10.0	31.7	60.0	28.3	complied

Average (Operating Mode 1, 240 V 60 Hz)

Frequency [MHz]	Line Phase	Reading AV [dB(μV)]	Factor [dB]	Level AV [dB(μV)]	Limit AV [dB(μV)]	Margin AV [dB]	Result
0.48029	N	29.6	9.7	39.3	46.3	7.0	complied
0.50629	N	31.1	9.7	40.8	46.0	5.2	complied
0.98122	N	24.5	9.8	34.3	46.0	11.7	complied
1.23969	N	15.5	9.8	25.3	46.0	20.7	complied
1.48028	N	23.0	9.8	32.8	46.0	13.2	complied
2.18707	N	18.9	9.8	28.7	46.0	17.3	complied
2.27661	N	18.5	9.9	28.4	46.0	17.6	complied
2.84731	N	19.7	9.9	29.6	46.0	16.4	complied
2.89794	N	20.5	9.9	30.4	46.0	15.6	complied
3.32900	N	13.0	9.9	22.9	46.0	23.1	complied
3.94547	N	13.0	9.9	22.9	46.0	23.1	complied
4.37381	N	19.4	10.0	29.4	46.0	16.6	complied
4.58542	N	14.9	10.0	24.9	46.0	21.1	complied
5.76490	N	10.7	10.0	20.7	50.0	29.3	complied
9.23701	N	6.7	10.0	16.7	50.0	33.3	complied
0.22194	L1	14.2	9.7	23.9	52.7	28.8	complied
0.25777	L1	15.6	9.7	25.3	51.5	26.2	complied
0.34968	L1	16.0	9.7	25.7	49.0	23.3	complied
0.38391	L1	16.0	9.7	25.7	48.2	22.5	complied
0.39966	L1	16.4	9.7	26.1	47.9	21.8	complied
0.42281	L1	17.1	9.7	26.8	47.4	20.6	complied
0.47780	L1	13.0	9.7	22.7	46.4	23.7	complied
0.50379	L1	22.4	9.7	32.1	46.0	13.9	complied
0.59430	L1	6.5	9.7	16.2	46.0	29.8	complied
0.82060	L1	12.2	9.7	21.9	46.0	24.1	complied
0.89507	L1	14.3	9.7	24.0	46.0	22.0	complied
0.99797	L1	14.5	9.8	24.3	46.0	21.7	complied
1.09030	L1	12.9	9.8	22.7	46.0	23.3	complied
1.38262	L1	6.9	9.8	16.7	46.0	29.3	complied
1.45405	L1	8.6	9.8	18.4	46.0	27.6	complied
1.64693	L1	12.5	9.8	22.3	46.0	23.7	complied
1.98588	L1	4.0	9.8	13.8	46.0	32.2	complied
2.08218	L1	5.6	9.8	15.4	46.0	30.6	complied
2.15750	L1	9.4	9.8	19.2	46.0	26.8	complied
2.32820	L1	13.0	9.9	22.9	46.0	23.1	complied
2.60383	L1	7.5	9.9	17.4	46.0	28.6	complied
2.74263	L1	4.8	9.9	14.7	46.0	31.3	complied
2.94591	L1	11.5	9.9	21.4	46.0	24.6	complied
3.94495	L1	9.1	9.9	19.0	46.0	27.0	complied
4.43722	L1	13.6	10.0	23.6	46.0	22.4	complied
8.91930	L1	13.5	10.0	23.5	50.0	26.5	complied

Result: Pass

Quasi Peak (Operating Mode 2, 120 V 60 Hz)

Frequency [MHz]	Line Phase	Reading QP [dB(μV)]	Factor [dB]	Level QP [dB(μV)]	Limit QP [dB(μV)]	Margin QP [dB]	Result
0.19275	N	27.6	9.7	37.3	63.9	26.6	complied
0.42202	N	29.9	9.7	39.6	57.4	17.8	complied
0.47726	N	41.3	9.7	51.0	56.4	5.4	complied
0.51301	N	33.3	9.7	43.0	56.0	13.0	complied
0.62911	N	27.4	9.7	37.1	56.0	18.9	complied
0.86050	N	27.9	9.7	37.6	56.0	18.4	complied
0.99491	N	27.1	9.8	36.9	56.0	19.1	complied
1.11265	N	30.0	9.8	39.8	56.0	16.2	complied
1.36913	N	29.4	9.8	39.2	56.0	16.8	complied
1.47011	N	30.8	9.8	40.6	56.0	15.4	complied
1.58552	N	28.2	9.8	38.0	56.0	18.0	complied
2.89874	N	28.3	9.9	38.2	56.0	17.8	complied
3.04691	N	28.2	9.9	38.1	56.0	17.9	complied
4.53233	N	25.2	10.0	35.2	56.0	20.8	complied
8.69863	N	22.3	10.0	32.3	60.0	27.7	complied
0.15237	L1	31.5	9.7	41.2	65.9	24.7	complied
0.38382	L1	32.3	9.7	42.0	58.2	16.2	complied
0.41627	L1	36.6	9.7	46.3	57.5	11.2	complied
0.45814	L1	34.0	9.7	43.7	56.7	13.0	complied
0.48167	L1	38.7	9.7	48.4	56.3	7.9	complied
0.54480	L1	32.3	9.7	42.0	56.0	14.0	complied
0.77035	L1	29.6	9.7	39.3	56.0	16.7	complied
0.84635	L1	29.8	9.7	39.5	56.0	16.5	complied
1.05458	L1	30.5	9.8	40.3	56.0	15.7	complied
1.10791	L1	30.7	9.8	40.5	56.0	15.5	complied
1.44205	L1	27.8	9.8	37.6	56.0	18.4	complied
1.74542	L1	26.5	9.8	36.3	56.0	19.7	complied
1.93458	L1	24.2	9.8	34.0	56.0	22.0	complied
2.66210	L1	28.4	9.9	38.3	56.0	17.7	complied
2.90407	L1	27.5	9.9	37.4	56.0	18.6	complied
3.01509	L1	26.4	9.9	36.3	56.0	19.7	complied
3.26731	L1	23.9	9.9	33.8	56.0	22.2	complied
4.25114	L1	26.9	10.0	36.9	56.0	19.1	complied
9.08632	L1	23.5	10.0	33.5	60.0	26.5	complied

Average (Operating Mode 2, 120 V 60 Hz)

Frequency [MHz]	Line Phase	Reading AV [dB(μV)]	Factor [dB]	Level AV [dB(μV)]	Limit AV [dB(μV)]	Margin AV [dB]	Result
0.19275	N	15.1	9.7	24.8	53.9	29.1	complied
0.42202	N	23.7	9.7	33.4	47.4	14.0	complied
0.47726	N	32.6	9.7	42.3	46.4	4.1	complied
0.51301	N	27.4	9.7	37.1	46.0	8.9	complied
0.62911	N	17.0	9.7	26.7	46.0	19.3	complied
0.86050	N	16.3	9.7	26.0	46.0	20.0	complied
0.99491	N	15.1	9.8	24.9	46.0	21.1	complied
1.11265	N	18.9	9.8	28.7	46.0	17.3	complied
1.36913	N	18.2	9.8	28.0	46.0	18.0	complied
1.47011	N	18.9	9.8	28.7	46.0	17.3	complied
1.58552	N	15.9	9.8	25.7	46.0	20.3	complied
2.89874	N	17.2	9.9	27.1	46.0	18.9	complied
3.04691	N	17.5	9.9	27.4	46.0	18.6	complied
4.53233	N	16.3	10.0	26.3	46.0	19.7	complied
8.69863	N	9.4	10.0	19.4	50.0	30.6	complied
0.15237	L1	16.8	9.7	26.5	55.9	29.4	complied
0.38382	L1	16.9	9.7	26.6	48.2	21.6	complied
0.41627	L1	21.1	9.7	30.8	47.5	16.7	complied
0.45814	L1	16.8	9.7	26.5	46.7	20.2	complied
0.48167	L1	24.3	9.7	34.0	46.3	12.3	complied
0.54480	L1	17.0	9.7	26.7	46.0	19.3	complied
0.77035	L1	13.6	9.7	23.3	46.0	22.7	complied
0.84635	L1	13.1	9.7	22.8	46.0	23.2	complied
1.05458	L1	14.0	9.8	23.8	46.0	22.2	complied
1.10791	L1	13.9	9.8	23.7	46.0	22.3	complied
1.44205	L1	11.6	9.8	21.4	46.0	24.6	complied
1.74542	L1	10.3	9.8	20.1	46.0	25.9	complied
1.93458	L1	8.1	9.8	17.9	46.0	28.1	complied
2.66210	L1	12.7	9.9	22.6	46.0	23.4	complied
2.90407	L1	11.8	9.9	21.7	46.0	24.3	complied
3.01509	L1	11.0	9.9	20.9	46.0	25.1	complied
3.26731	L1	9.6	9.9	19.5	46.0	26.5	complied
4.25114	L1	13.6	10.0	23.6	46.0	22.4	complied
9.08632	L1	13.6	10.0	23.6	50.0	26.4	complied

Result: Pass

Quasi Peak (Operating Mode 2, 240 V 60 Hz)

Frequency [MHz]	Line Phase	Reading QP [dB(μV)]	Factor [dB]	Level QP [dB(μV)]	Limit QP [dB(μV)]	Margin QP [dB]	Result
0.42743	N	29.7	9.7	39.4	57.3	17.9	complied
0.47659	N	39.2	9.7	48.9	56.4	7.5	complied
0.51079	N	37.2	9.7	46.9	56.0	9.1	complied
0.63854	N	26.3	9.7	36.0	56.0	20.0	complied
0.97730	N	34.5	9.8	44.3	56.0	11.7	complied
1.21623	N	28.7	9.8	38.5	56.0	17.5	complied
1.51678	N	33.8	9.8	43.6	56.0	12.4	complied
1.67526	N	31.0	9.8	40.8	56.0	15.2	complied
1.99199	N	28.4	9.8	38.2	56.0	17.8	complied
2.42695	N	27.0	9.9	36.9	56.0	19.1	complied
2.82475	N	30.5	9.9	40.4	56.0	15.6	complied
3.04098	N	29.3	9.9	39.2	56.0	16.8	complied
3.92447	N	29.1	9.9	39.0	56.0	17.0	complied
4.34204	N	29.7	10.0	39.7	56.0	16.3	complied
8.59429	N	24.6	10.0	34.6	60.0	25.4	complied
0.22535	L1	33.4	9.7	43.1	62.6	19.5	complied
0.27027	L1	34.3	9.7	44.0	61.1	17.1	complied
0.34837	L1	33.8	9.7	43.5	59.0	15.5	complied
0.40023	L1	33.3	9.7	43.0	57.8	14.8	complied
0.42050	L1	33.8	9.7	43.5	57.4	13.9	complied
0.47855	L1	36.5	9.7	46.2	56.4	10.2	complied
0.50134	L1	41.6	9.7	51.3	56.0	4.7	complied
0.58368	L1	27.2	9.7	36.9	56.0	19.1	complied
0.82421	L1	33.8	9.7	43.5	56.0	12.5	complied
0.88274	L1	33.6	9.7	43.3	56.0	12.7	complied
1.00556	L1	32.2	9.8	42.0	56.0	14.0	complied
1.13302	L1	28.5	9.8	38.3	56.0	17.7	complied
1.38617	L1	33.4	9.8	43.2	56.0	12.8	complied
1.44783	L1	34.6	9.8	44.4	56.0	11.6	complied
1.60412	L1	30.6	9.8	40.4	56.0	15.6	complied
2.03493	L1	28.4	9.8	38.2	56.0	17.8	complied
2.20816	L1	30.4	9.8	40.2	56.0	15.8	complied
2.64507	L1	31.3	9.9	41.2	56.0	14.8	complied
2.78271	L1	30.9	9.9	40.8	56.0	15.2	complied
3.19200	L1	27.9	9.9	37.8	56.0	18.2	complied
3.68190	L1	28.6	9.9	38.5	56.0	17.5	complied
3.98122	L1	28.4	9.9	38.3	56.0	17.7	complied
4.35368	L1	30.0	10.0	40.0	56.0	16.0	complied
8.57914	L1	28.4	10.0	38.4	60.0	21.6	complied
9.07946	L1	29.2	10.0	39.2	60.0	20.8	complied

Average (Operating Mode 2, 240 V 60 Hz)

Frequency [MHz]	Line Phase	Reading AV [dB(μV)]	Factor [dB]	Level AV [dB(μV)]	Limit AV [dB(μV)]	Margin AV [dB]	Result
0.42743	N	20.7	9.7	30.4	47.3	0.42743	complied
0.47659	N	29.0	9.7	38.7	46.4	0.47659	complied
0.51079	N	28.5	9.7	38.2	46.0	0.51079	complied
0.63854	N	14.0	9.7	23.7	46.0	0.63854	complied
0.97730	N	23.8	9.8	33.6	46.0	0.97730	complied
1.21623	N	15.1	9.8	24.9	46.0	1.21623	complied
1.51678	N	22.6	9.8	32.4	46.0	1.51678	complied
1.67526	N	19.3	9.8	29.1	46.0	1.67526	complied
1.99199	N	17.8	9.8	27.6	46.0	1.99199	complied
2.42695	N	16.2	9.9	26.1	46.0	2.42695	complied
2.82475	N	19.1	9.9	29.0	46.0	2.82475	complied
3.04098	N	17.8	9.9	27.7	46.0	3.04098	complied
3.92447	N	18.9	9.9	28.8	46.0	3.92447	complied
4.34204	N	20.1	10.0	30.1	46.0	4.34204	complied
8.59429	N	11.0	10.0	21.0	50.0	8.59429	complied
0.22535	L1	16.9	9.7	26.6	52.6	0.22535	complied
0.27027	L1	18.2	9.7	27.9	51.1	0.27027	complied
0.34837	L1	18.4	9.7	28.1	49.0	0.34837	complied
0.40023	L1	17.7	9.7	27.4	47.8	0.40023	complied
0.42050	L1	18.5	9.7	28.2	47.4	0.42050	complied
0.47855	L1	22.9	9.7	32.6	46.4	0.47855	complied
0.50134	L1	26.3	9.7	36.0	46.0	0.50134	complied
0.58368	L1	12.8	9.7	22.5	46.0	0.58368	complied
0.82421	L1	18.5	9.7	28.2	46.0	0.82421	complied
0.88274	L1	18.2	9.7	27.9	46.0	0.88274	complied
1.00556	L1	17.2	9.8	27.0	46.0	1.00556	complied
1.13302	L1	12.6	9.8	22.4	46.0	1.13302	complied
1.38617	L1	17.8	9.8	27.6	46.0	1.38617	complied
1.44783	L1	20.0	9.8	29.8	46.0	1.44783	complied
1.60412	L1	16.4	9.8	26.2	46.0	1.60412	complied
2.03493	L1	15.1	9.8	24.9	46.0	2.03493	complied
2.20816	L1	16.2	9.8	26.0	46.0	2.20816	complied
2.64507	L1	16.2	9.9	26.1	46.0	2.64507	complied
2.78271	L1	16.0	9.9	25.9	46.0	2.78271	complied
3.19200	L1	15.1	9.9	25.0	46.0	3.19200	complied
3.68190	L1	15.6	9.9	25.5	46.0	3.68190	complied
3.98122	L1	15.8	9.9	25.7	46.0	3.98122	complied
4.35368	L1	17.3	10.0	27.3	46.0	4.35368	complied
8.57914	L1	19.0	10.0	29.0	50.0	8.57914	complied
9.07946	L1	18.9	10.0	28.9	50.0	9.07946	complied

Result: Pass

For EUT with S/N C2023 053:

Quasi Peak (Operating Mode 1, 120 V 60 Hz)

Frequency [MHz]	Line Phase	Reading QP [dB(μV)]	Factor [dB]	Level QP [dB(μV)]	Limit QP [dB(μV)]	Margin QP [dB]	Result
0.45525	N	32.0	9.7	41.7	56.8	15.1	complied
0.47908	N	41.5	9.7	51.2	56.4	5.2	complied
0.50862	N	35.1	9.7	44.8	56.0	11.2	complied
0.89989	N	28.5	9.7	38.2	56.0	17.8	complied
0.97970	N	29.3	9.8	39.1	56.0	16.9	complied
1.33051	N	29.6	9.8	39.4	56.0	16.6	complied
1.45539	N	28.9	9.8	38.7	56.0	17.3	complied
1.60670	N	28.2	9.8	38.0	56.0	18.0	complied
2.80956	N	26.7	9.9	36.6	56.0	19.4	complied
4.52490	N	24.6	10.0	34.6	56.0	21.4	complied
9.76565	N	21.8	10.0	31.8	60.0	28.2	complied
0.15050	L1	31.1	9.7	40.8	66.0	25.2	complied
0.22901	L1	28.7	9.7	38.4	62.5	24.1	complied
0.38609	L1	32.1	9.7	41.8	58.1	16.3	complied
0.41980	L1	36.3	9.7	46.0	57.5	11.5	complied
0.45451	L1	37.1	9.7	46.8	56.8	10.0	complied
0.47772	L1	39.8	9.7	49.5	56.4	6.9	complied
0.51006	L1	39.4	9.7	49.1	56.0	6.9	complied
0.54038	L1	33.4	9.7	43.1	56.0	12.9	complied
0.80091	L1	30.7	9.7	40.4	56.0	15.6	complied
0.85098	L1	29.7	9.7	39.4	56.0	16.6	complied
0.97900	L1	29.5	9.8	39.3	56.0	16.7	complied
1.10745	L1	30.3	9.8	40.1	56.0	15.9	complied
1.14492	L1	29.1	9.8	38.9	56.0	17.1	complied
1.19404	L1	27.9	9.8	37.7	56.0	18.3	complied
1.43473	L1	29.4	9.8	39.2	56.0	16.8	complied
1.69721	L1	26.8	9.8	36.6	56.0	19.4	complied
2.54820	L1	26.8	9.9	36.7	56.0	19.3	complied
2.68247	L1	29.2	9.9	39.1	56.0	16.9	complied
2.99593	L1	26.8	9.9	36.7	56.0	19.3	complied
3.93000	L1	26.6	9.9	36.5	56.0	19.5	complied
4.23297	L1	27.2	10.0	37.2	56.0	18.8	complied
4.52090	L1	25.1	10.0	35.1	56.0	20.9	complied
9.57942	L1	26.2	10.0	36.2	60.0	23.8	complied

Average (Operating Mode 1, 120 V 60 Hz)

Frequency [MHz]	Line Phase	Reading AV [dB(μV)]	Factor [dB]	Level AV [dB(μV)]	Limit AV [dB(μV)]	Margin AV [dB]	Result
0.45525	N	25.6	9.7	35.3	46.8	11.5	complied
0.47908	N	32.8	9.7	42.5	46.4	3.9	complied
0.50862	N	29.4	9.7	39.1	46.0	6.9	complied
0.89989	N	17.0	9.7	26.7	46.0	19.3	complied
0.97970	N	15.1	9.8	24.9	46.0	21.1	complied
1.33051	N	17.6	9.8	27.4	46.0	18.6	complied
1.45539	N	17.4	9.8	27.2	46.0	18.8	complied
1.60670	N	16.1	9.8	25.9	46.0	20.1	complied
2.80956	N	15.5	9.9	25.4	46.0	20.6	complied
4.52490	N	15.3	10.0	25.3	46.0	20.7	complied
9.76565	N	10.0	10.0	20.0	50.0	30.0	complied
0.15050	L1	15.9	9.7	25.6	56.0	30.4	complied
0.22901	L1	14.8	9.7	24.5	52.5	28.0	complied
0.38609	L1	16.6	9.7	26.3	48.1	21.8	complied
0.41980	L1	20.8	9.7	30.5	47.5	17.0	complied
0.45451	L1	20.9	9.7	30.6	46.8	16.2	complied
0.47772	L1	25.7	9.7	35.4	46.4	11.0	complied
0.51006	L1	24.6	9.7	34.3	46.0	11.7	complied
0.54038	L1	18.6	9.7	28.3	46.0	17.7	complied
0.80091	L1	14.3	9.7	24.0	46.0	22.0	complied
0.85098	L1	13.3	9.7	23.0	46.0	23.0	complied
0.97900	L1	12.7	9.8	22.5	46.0	23.5	complied
1.10745	L1	13.7	9.8	23.5	46.0	22.5	complied
1.14492	L1	13.0	9.8	22.8	46.0	23.2	complied
1.19404	L1	11.1	9.8	20.9	46.0	25.1	complied
1.43473	L1	13.6	9.8	23.4	46.0	22.6	complied
1.69721	L1	10.8	9.8	20.6	46.0	25.4	complied
2.54820	L1	11.7	9.9	21.6	46.0	24.4	complied
2.68247	L1	13.2	9.9	23.1	46.0	22.9	complied
2.99593	L1	11.6	9.9	21.5	46.0	24.5	complied
3.93000	L1	13.9	9.9	23.8	46.0	22.2	complied
4.23297	L1	14.1	10.0	24.1	46.0	21.9	complied
4.52090	L1	12.3	10.0	22.3	46.0	23.7	complied
9.57942	L1	15.6	10.0	25.6	50.0	24.4	complied

Result: Pass

Quasi Peak (Operating Mode 1, 240 V 60 Hz)

Frequency [MHz]	Line Phase	Reading QP [dB(μV)]	Factor [dB]	Level QP [dB(μV)]	Limit QP [dB(μV)]	Margin QP [dB]	Result
0.48505	N	37.3	9.7	47.0	56.3	9.3	complied
0.50489	N	38.6	9.7	48.3	56.0	7.7	complied
0.60350	N	27.4	9.7	37.1	56.0	18.9	complied
0.98565	N	31.6	9.8	41.4	56.0	14.6	complied
1.54698	N	33.4	9.8	43.2	56.0	12.8	complied
2.07781	N	28.8	9.8	38.6	56.0	17.4	complied
2.73092	N	31.2	9.9	41.1	56.0	14.9	complied
3.71673	N	28.3	9.9	38.2	56.0	17.8	complied
4.51676	N	29.5	10.0	39.5	56.0	16.5	complied
5.70122	N	22.3	10.0	32.3	60.0	27.7	complied
10.32982	N	23.0	10.0	33.0	60.0	27.0	complied
0.25516	L1	34.5	9.7	44.2	61.6	17.4	complied
0.34953	L1	33.8	9.7	43.5	59.0	15.5	complied
0.40288	L1	33.6	9.7	43.3	57.8	14.5	complied
0.43170	L1	32.3	9.7	42.0	57.2	15.2	complied
0.50880	L1	40.5	9.7	50.2	56.0	5.8	complied
0.54605	L1	28.4	9.7	38.1	56.0	17.9	complied
0.75844	L1	32.0	9.7	41.7	56.0	14.3	complied
0.82209	L1	32.8	9.7	42.5	56.0	13.5	complied
0.92966	L1	31.4	9.7	41.1	56.0	14.9	complied
0.97357	L1	33.6	9.8	43.4	56.0	12.6	complied
1.05712	L1	32.6	9.8	42.4	56.0	13.6	complied
1.39360	L1	33.0	9.8	42.8	56.0	13.2	complied
1.50635	L1	33.4	9.8	43.2	56.0	12.8	complied
2.42984	L1	27.2	9.9	37.1	56.0	18.9	complied
2.73260	L1	31.4	9.9	41.3	56.0	14.7	complied
3.02671	L1	28.0	9.9	37.9	56.0	18.1	complied
3.92134	L1	29.9	9.9	39.8	56.0	16.2	complied
9.40925	L1	27.0	10.0	37.0	60.0	23.0	complied

Average (Operating Mode 1, 240 V 60 Hz)

Frequency [MHz]	Line Phase	Reading AV [dB(μV)]	Factor [dB]	Level AV [dB(μV)]	Limit AV [dB(μV)]	Margin AV [dB]	Result
0.48505	N	26.3	9.7	36.0	46.3	10.3	complied
0.50489	N	30.5	9.7	40.2	46.0	5.8	complied
0.60350	N	13.6	9.7	23.3	46.0	22.7	complied
0.98565	N	19.9	9.8	29.7	46.0	16.3	complied
1.54698	N	22.0	9.8	31.8	46.0	14.2	complied
2.07781	N	18.8	9.8	28.6	46.0	17.4	complied
2.73092	N	20.2	9.9	30.1	46.0	15.9	complied
3.71673	N	18.6	9.9	28.5	46.0	17.5	complied
4.51676	N	18.8	10.0	28.8	46.0	17.2	complied
5.70122	N	12.6	10.0	22.6	50.0	27.4	complied
10.32982	N	10.3	10.0	20.3	50.0	29.7	complied
0.25516	L1	18.0	9.7	27.7	51.6	23.9	complied
0.34953	L1	18.7	9.7	28.4	49.0	20.6	complied
0.40288	L1	18.2	9.7	27.9	47.8	19.9	complied
0.43170	L1	16.2	9.7	25.9	47.2	21.3	complied
0.50880	L1	25.9	9.7	35.6	46.0	10.4	complied
0.54605	L1	13.5	9.7	23.2	46.0	22.8	complied
0.75844	L1	15.9	9.7	25.6	46.0	20.4	complied
0.82209	L1	16.3	9.7	26.0	46.0	20.0	complied
0.92966	L1	15.9	9.7	25.6	46.0	20.4	complied
0.97357	L1	18.8	9.8	28.6	46.0	17.4	complied
1.05712	L1	17.5	9.8	27.3	46.0	18.7	complied
1.39360	L1	17.2	9.8	27.0	46.0	19.0	complied
1.50635	L1	18.8	9.8	28.6	46.0	17.4	complied
2.42984	L1	12.1	9.9	22.0	46.0	24.0	complied
2.73260	L1	16.4	9.9	26.3	46.0	19.7	complied
3.02671	L1	14.0	9.9	23.9	46.0	22.1	complied
3.92134	L1	17.3	9.9	27.2	46.0	18.8	complied
9.40925	L1	16.3	10.0	26.3	50.0	23.7	complied

Result: Pass

Quasi Peak (Operating Mode 2, 120 V 60 Hz)

Frequency [MHz]	Line Phase	Reading QP [dB(μV)]	Factor [dB]	Level QP [dB(μV)]	Limit QP [dB(μV)]	Margin QP [dB]	Result
0.47966	N	41.4	9.7	51.1	56.3	5.2	complied
0.93616	N	27.7	9.7	37.4	56.0	18.6	complied
0.97516	N	27.5	9.8	37.3	56.0	18.7	complied
1.44781	N	30.0	9.8	39.8	56.0	16.2	complied
2.93918	N	27.5	9.9	37.4	56.0	18.6	complied
4.29329	N	25.1	10.0	35.1	56.0	20.9	complied
9.95340	N	22.6	10.0	32.6	60.0	27.4	complied
0.24543	L1	28.1	9.7	37.8	61.9	24.1	complied
0.38789	L1	32.2	9.7	41.9	58.1	16.2	complied
0.41495	L1	36.1	9.7	45.8	57.5	11.7	complied
0.45216	L1	37.8	9.7	47.5	56.8	9.3	complied
0.47867	L1	39.8	9.7	49.5	56.4	6.9	complied
0.51230	L1	38.5	9.7	48.2	56.0	7.8	complied
0.54387	L1	32.9	9.7	42.6	56.0	13.4	complied
0.79859	L1	31.3	9.7	41.0	56.0	15.0	complied
0.97609	L1	29.5	9.8	39.3	56.0	16.7	complied
1.08950	L1	30.0	9.8	39.8	56.0	16.2	complied
1.14763	L1	29.7	9.8	39.5	56.0	16.5	complied
1.40370	L1	30.2	9.8	40.0	56.0	16.0	complied
1.72162	L1	27.2	9.8	37.0	56.0	19.0	complied
2.74034	L1	28.3	9.9	38.2	56.0	17.8	complied
4.23066	L1	26.8	10.0	36.8	56.0	19.2	complied
8.86835	L1	25.7	10.0	35.7	60.0	24.3	complied

Average (Operating Mode 2, 120 V 60 Hz)

Frequency [MHz]	Line Phase	Reading AV [dB(μV)]	Factor [dB]	Level AV [dB(μV)]	Limit AV [dB(μV)]	Margin AV [dB]	Result
0.47966	N	32.5	9.7	42.2	46.3	4.1	complied
0.93616	N	15.5	9.7	25.2	46.0	20.8	complied
0.97516	N	13.3	9.8	23.1	46.0	22.9	complied
1.44781	N	18.2	9.8	28.0	46.0	18.0	complied
2.93918	N	16.8	9.9	26.7	46.0	19.3	complied
4.29329	N	16.0	10.0	26.0	46.0	20.0	complied
9.95340	N	11.2	10.0	21.2	50.0	28.8	complied
0.24543	L1	14.0	9.7	23.7	51.9	28.2	complied
0.38789	L1	16.4	9.7	26.1	48.1	22.0	complied
0.41495	L1	20.5	9.7	30.2	47.5	17.3	complied
0.45216	L1	22.2	9.7	31.9	46.8	14.9	complied
0.47867	L1	25.9	9.7	35.6	46.4	10.8	complied
0.51230	L1	23.4	9.7	33.1	46.0	12.9	complied
0.54387	L1	17.5	9.7	27.2	46.0	18.8	complied
0.79859	L1	14.7	9.7	24.4	46.0	21.6	complied
0.97609	L1	11.8	9.8	21.6	46.0	24.4	complied
1.08950	L1	13.6	9.8	23.4	46.0	22.6	complied
1.14763	L1	13.1	9.8	22.9	46.0	23.1	complied
1.40370	L1	13.5	9.8	23.3	46.0	22.7	complied
1.72162	L1	11.6	9.8	21.4	46.0	24.6	complied
2.74034	L1	12.1	9.9	22.0	46.0	24.0	complied
4.23066	L1	13.6	10.0	23.6	46.0	22.4	complied
8.86835	L1	16.2	10.0	26.2	50.0	23.8	complied

Result: Pass

Quasi Peak (Operating Mode 2, 240 V 60 Hz)

Frequency [MHz]	Line Phase	Reading QP [dB(μV)]	Factor [dB]	Level QP [dB(μV)]	Limit QP [dB(μV)]	Margin QP [dB]	Result
0.39246	N	31.1	9.7	40.8	58.0	17.2	complied
0.48660	N	38.7	9.7	48.4	56.2	7.8	complied
0.51380	N	37.8	9.7	47.5	56.0	8.5	complied
0.66503	N	25.2	9.7	34.9	56.0	21.1	complied
0.95455	N	32.0	9.8	41.8	56.0	14.2	complied
1.02866	N	33.0	9.8	42.8	56.0	13.2	complied
1.20223	N	30.0	9.8	39.8	56.0	16.2	complied
1.51557	N	31.2	9.8	41.0	56.0	15.0	complied
1.60106	N	31.2	9.8	41.0	56.0	15.0	complied
2.06134	N	26.3	9.8	36.1	56.0	19.9	complied
2.98098	N	29.2	9.9	39.1	56.0	16.9	complied
3.36503	N	25.9	9.9	35.8	56.0	20.2	complied
4.55015	N	28.4	10.0	38.4	56.0	17.6	complied
8.86438	N	23.8	10.0	33.8	60.0	26.2	complied
0.28239	L1	32.4	9.7	42.1	60.7	18.6	complied
0.36382	L1	31.6	9.7	41.3	58.6	17.3	complied
0.40388	L1	34.1	9.7	43.8	57.8	14.0	complied
0.44069	L1	32.4	9.7	42.1	57.0	14.9	complied
0.51427	L1	38.7	9.7	48.4	56.0	7.6	complied
0.53828	L1	32.8	9.7	42.5	56.0	13.5	complied
0.80186	L1	31.9	9.7	41.6	56.0	14.4	complied
0.89897	L1	33.2	9.7	42.9	56.0	13.1	complied
0.99747	L1	34.6	9.8	44.4	56.0	11.6	complied
1.10976	L1	29.8	9.8	39.6	56.0	16.4	complied
1.42281	L1	30.8	9.8	40.6	56.0	15.4	complied
1.47223	L1	28.8	9.8	38.6	56.0	17.4	complied
1.59264	L1	30.1	9.8	39.9	56.0	16.1	complied
2.23934	L1	30.2	9.8	40.0	56.0	16.0	complied
2.34772	L1	30.5	9.9	40.4	56.0	15.6	complied
2.80110	L1	30.9	9.9	40.8	56.0	15.2	complied
2.96796	L1	28.8	9.9	38.7	56.0	17.3	complied
3.67970	L1	27.9	9.9	37.8	56.0	18.2	complied
4.34386	L1	29.6	10.0	39.6	56.0	16.4	complied
9.10183	L1	28.3	10.0	38.3	60.0	21.7	complied

Average (Operating Mode 2, 240 V 60 Hz)

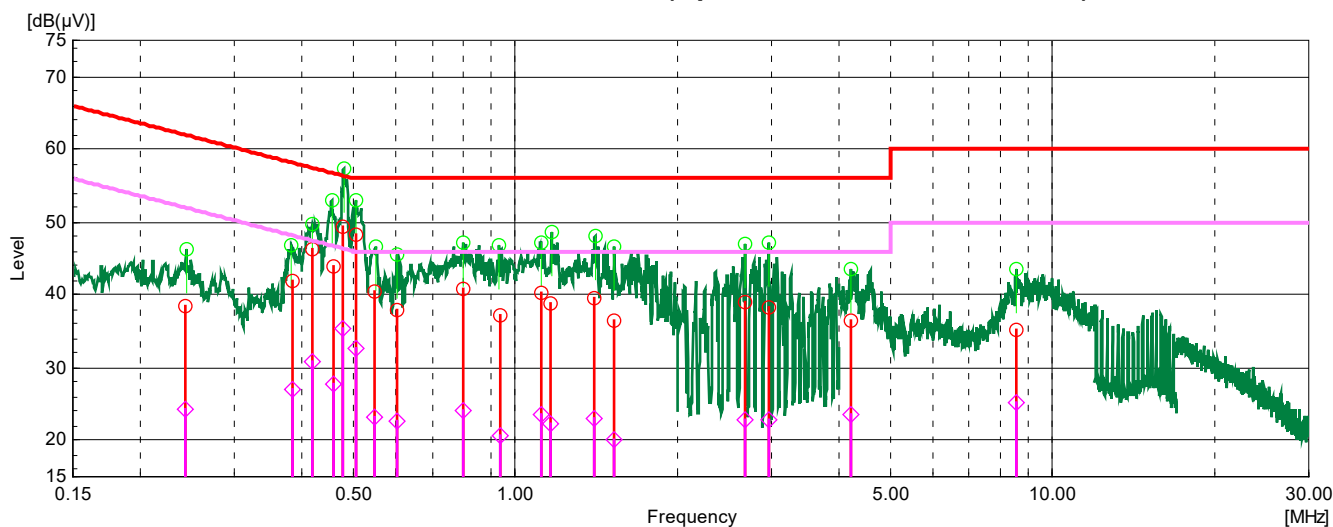
Frequency [MHz]	Line Phase	Reading AV [dB(μV)]	Factor [dB]	Level AV [dB(μV)]	Limit AV [dB(μV)]	Margin AV [dB]	Result
0.39246	N	20.9	9.7	30.6	48.0	17.4	complied
0.48660	N	29.2	9.7	38.9	46.2	7.3	complied
0.51380	N	28.6	9.7	38.3	46.0	7.7	complied
0.66503	N	12.5	9.7	22.2	46.0	23.8	complied
0.95455	N	22.8	9.8	32.6	46.0	13.4	complied
1.02866	N	22.7	9.8	32.5	46.0	13.5	complied
1.20223	N	17.9	9.8	27.7	46.0	18.3	complied
1.51557	N	20.2	9.8	30.0	46.0	16.0	complied
1.60106	N	20.0	9.8	29.8	46.0	16.2	complied
2.06134	N	16.2	9.8	26.0	46.0	20.0	complied
2.98098	N	19.1	9.9	29.0	46.0	17.0	complied
3.36503	N	15.6	9.9	25.5	46.0	20.5	complied
4.55015	N	16.8	10.0	26.8	46.0	19.2	complied
8.86438	N	9.9	10.0	19.9	50.0	30.1	complied
0.28239	L1	16.1	9.7	25.8	50.7	24.9	complied
0.36382	L1	16.8	9.7	26.5	48.6	22.1	complied
0.40388	L1	19.1	9.7	28.8	47.8	19.0	complied
0.44069	L1	16.4	9.7	26.1	47.0	20.9	complied
0.51427	L1	23.3	9.7	33.0	46.0	13.0	complied
0.53828	L1	17.8	9.7	27.5	46.0	18.5	complied
0.80186	L1	15.6	9.7	25.3	46.0	20.7	complied
0.89897	L1	18.0	9.7	27.7	46.0	18.3	complied
0.99747	L1	19.3	9.8	29.1	46.0	16.9	complied
1.10976	L1	14.6	9.8	24.4	46.0	21.6	complied
1.42281	L1	14.6	9.8	24.4	46.0	21.6	complied
1.47223	L1	12.6	9.8	22.4	46.0	23.6	complied
1.59264	L1	15.5	9.8	25.3	46.0	20.7	complied
2.23934	L1	15.8	9.8	25.6	46.0	20.4	complied
2.34772	L1	15.5	9.9	25.4	46.0	20.6	complied
2.80110	L1	15.6	9.9	25.5	46.0	20.5	complied
2.96796	L1	15.5	9.9	25.4	46.0	20.6	complied
3.67970	L1	14.8	9.9	24.7	46.0	21.3	complied
4.34386	L1	17.3	10.0	27.3	46.0	18.7	complied
9.10183	L1	18.1	10.0	28.1	50.0	21.9	complied

Result: Pass

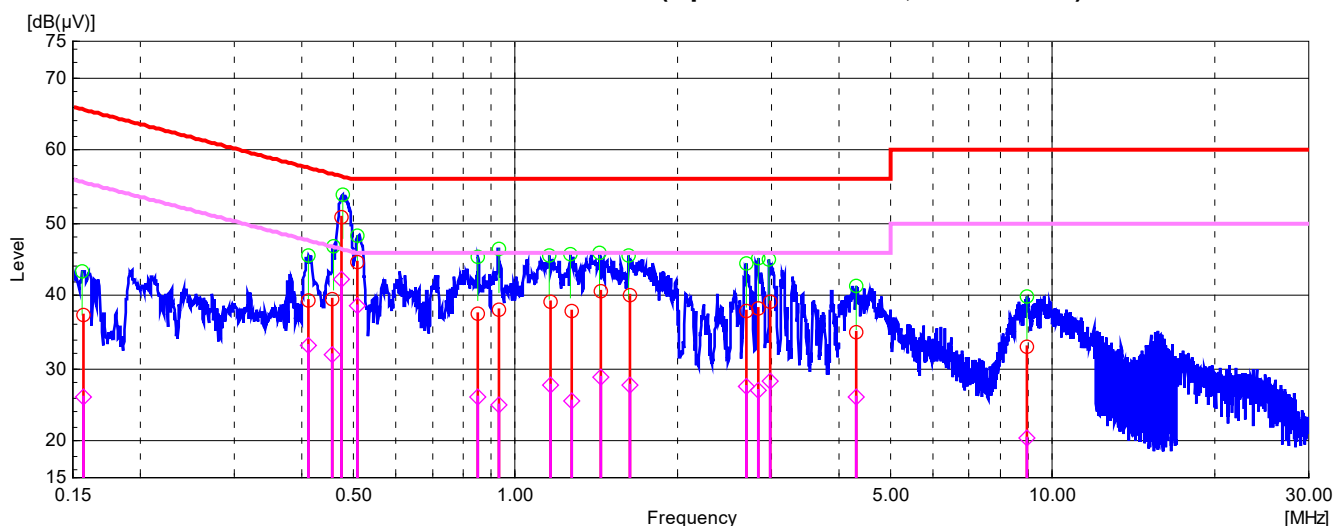
6.1.4 Graphical Plots:

For EUT with S/N C2023 052:

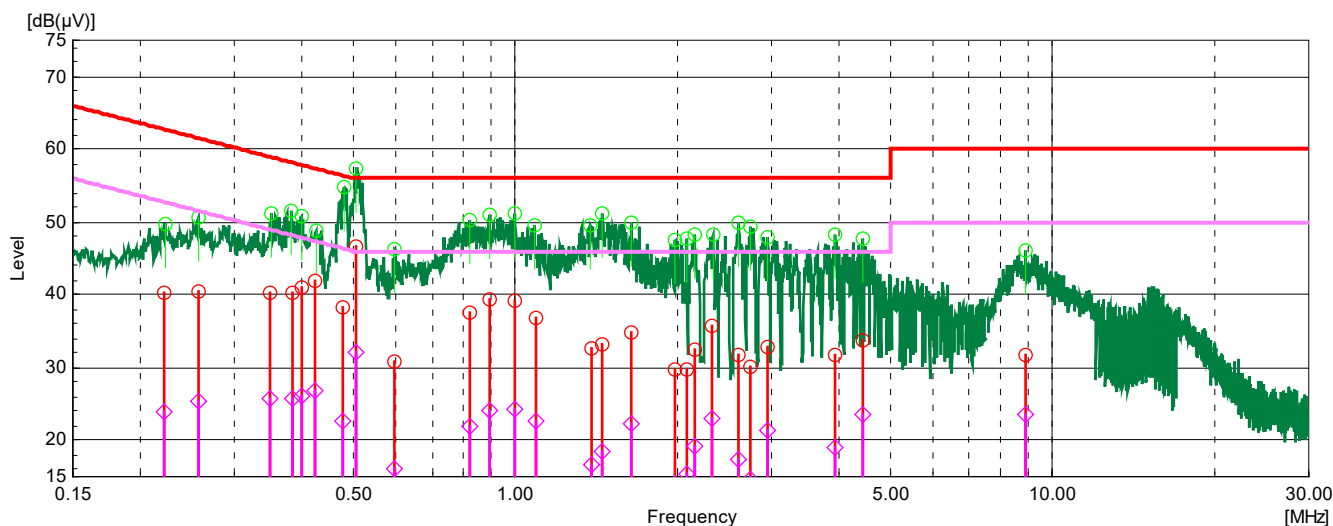
Conducted Emissions for L1 Line (Operation Mode 1, 120 V 60 Hz)



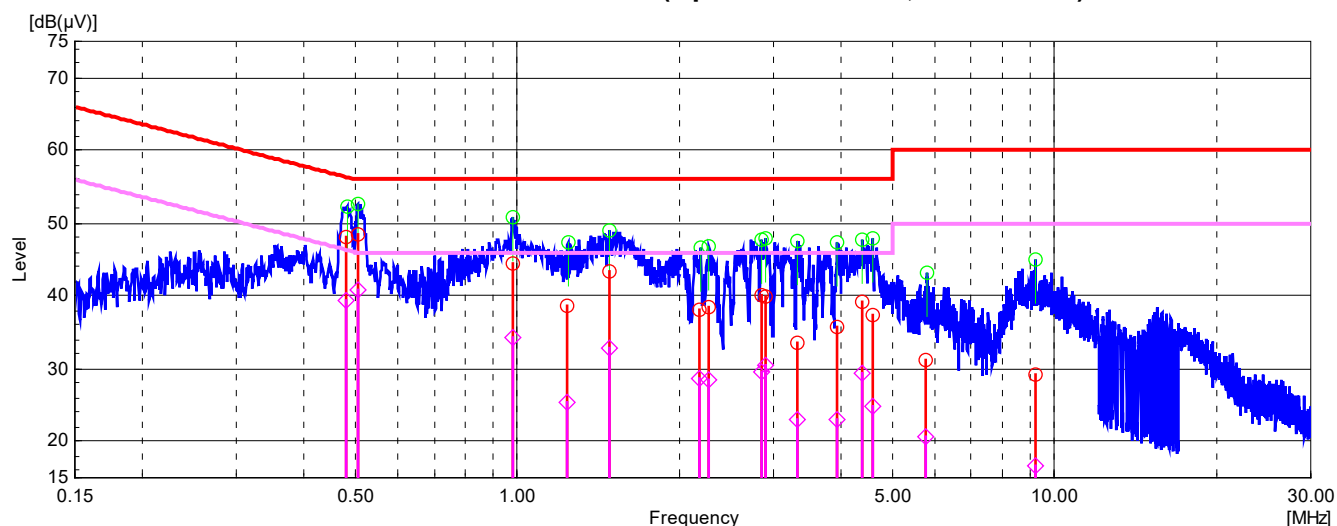
Conducted Emissions for N Line (Operation Mode 1, 120 V 60 Hz)



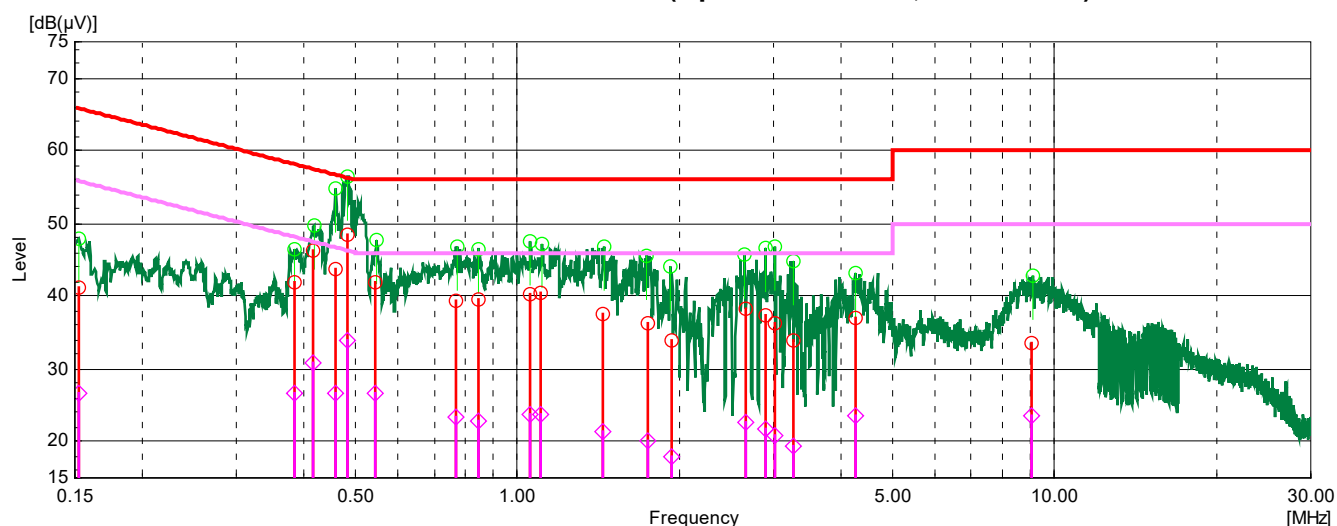
Conducted Emissions for L1 Line (Operation Mode 1, 240 V 60 Hz)



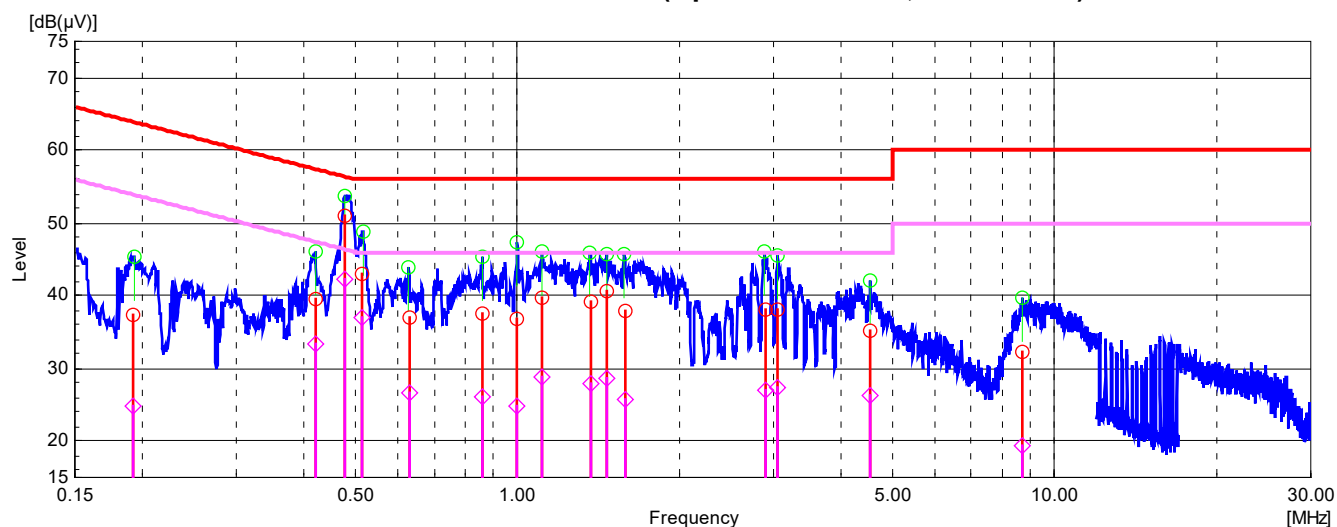
Conducted Emissions for N Line (Operation Mode 1, 240 V 60 Hz)



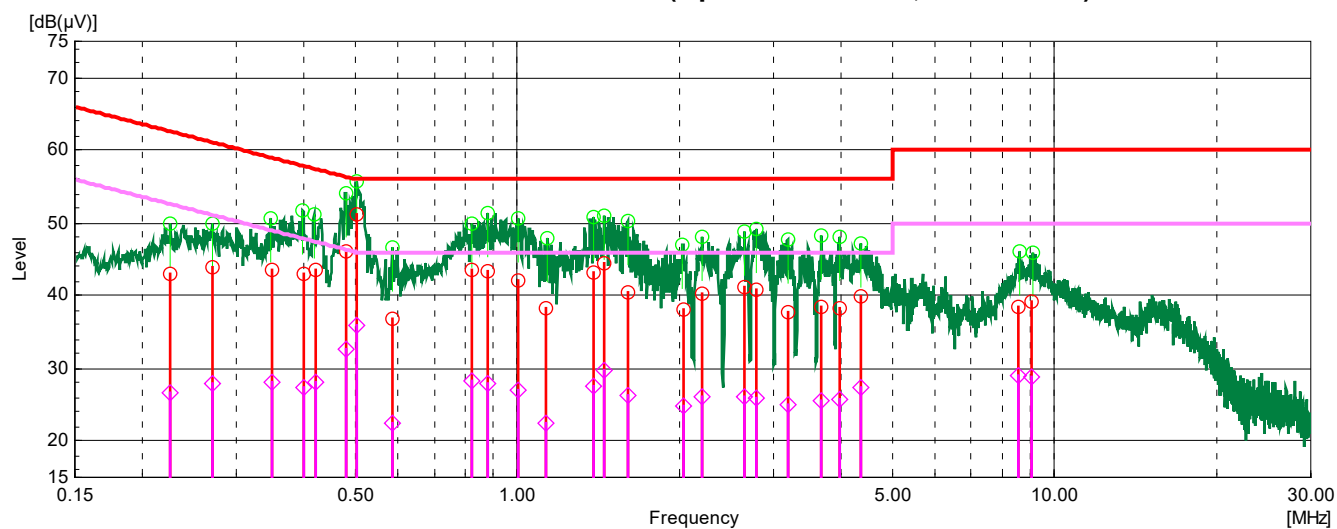
Conducted Emissions for L1 Line (Operation Mode 2, 120 V 60 Hz)



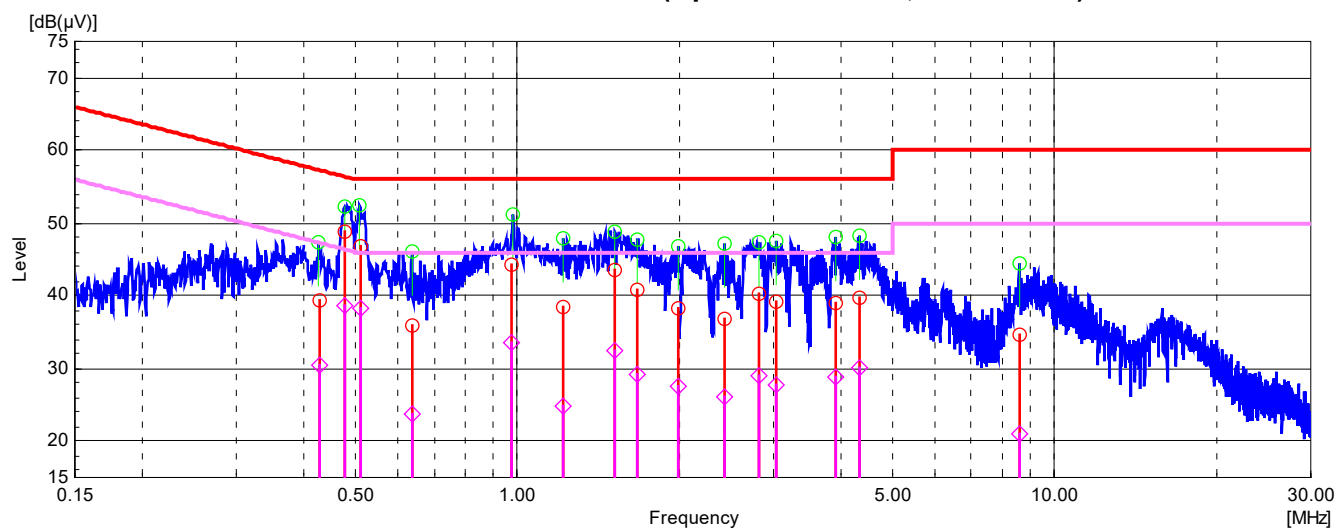
Conducted Emissions for N Line (Operation Mode 2, 120 V 60 Hz)



Conducted Emissions for L1 Line (Operation Mode 2, 240 V 60 Hz)

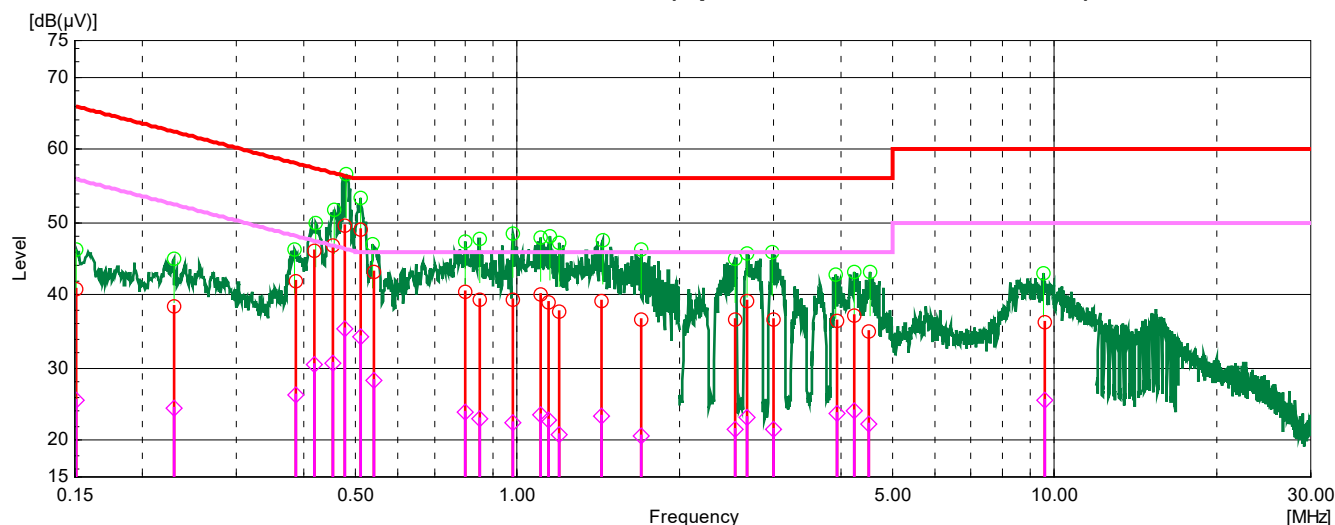


Conducted Emissions for N Line (Operation Mode 2, 240 V 60 Hz)

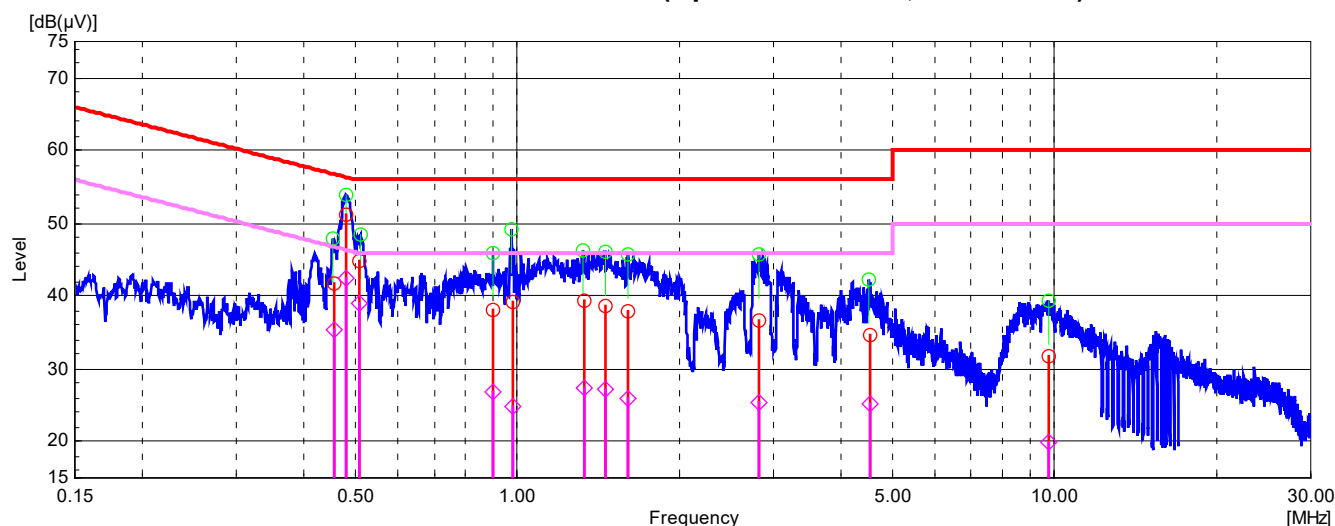


For EUT with S/N C2023 053:

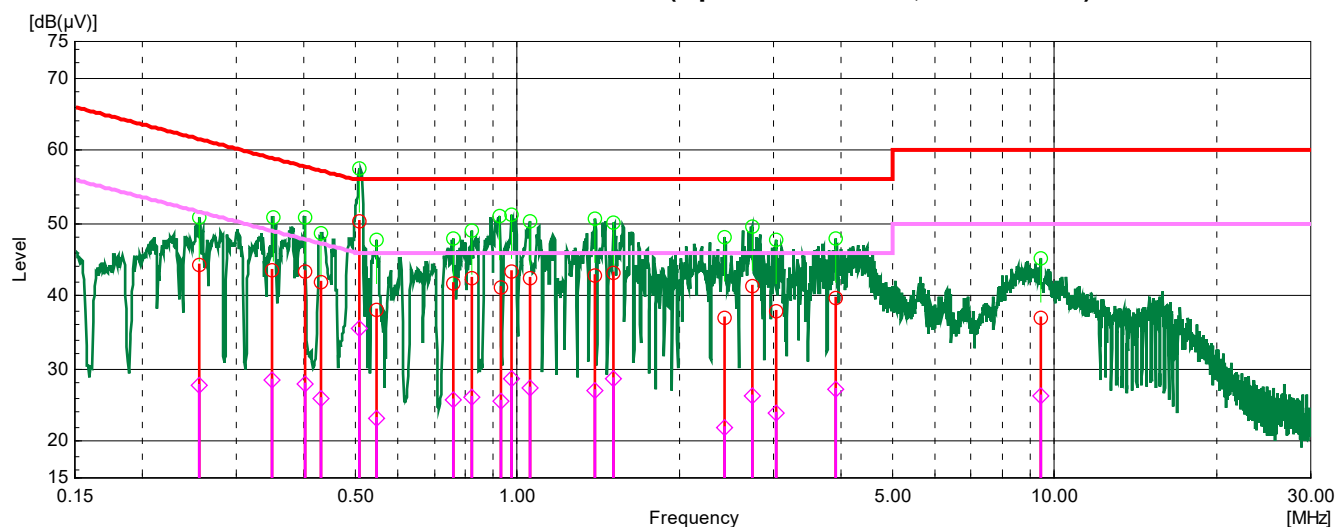
Conducted Emissions for L1 Line (Operation Mode 1, 120 V 60 Hz)



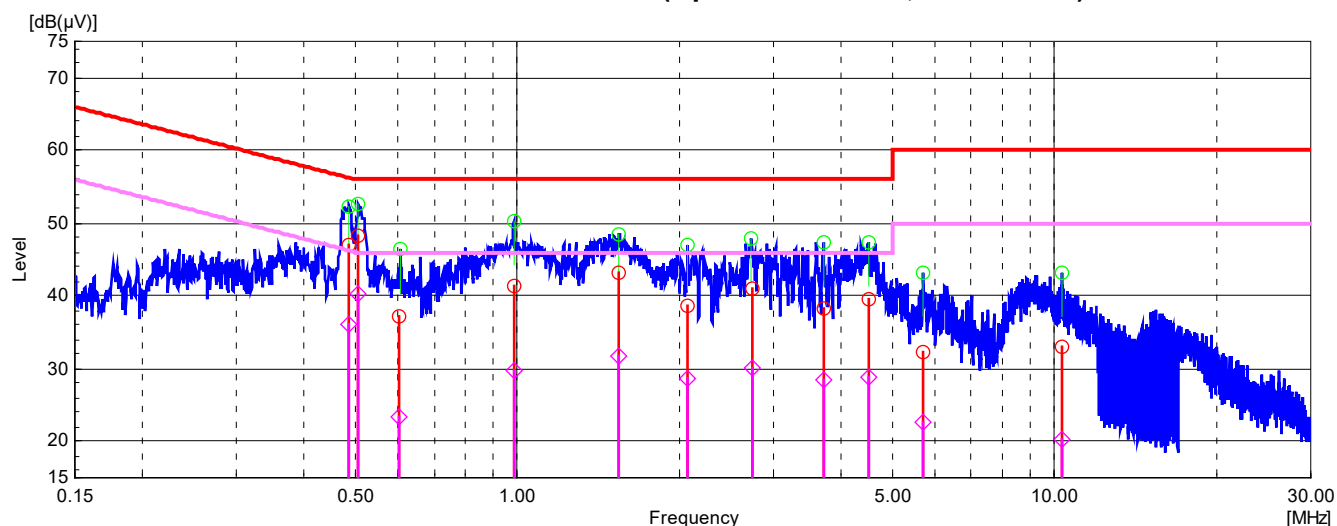
Conducted Emissions for N Line (Operation Mode 1, 120 V 60 Hz)



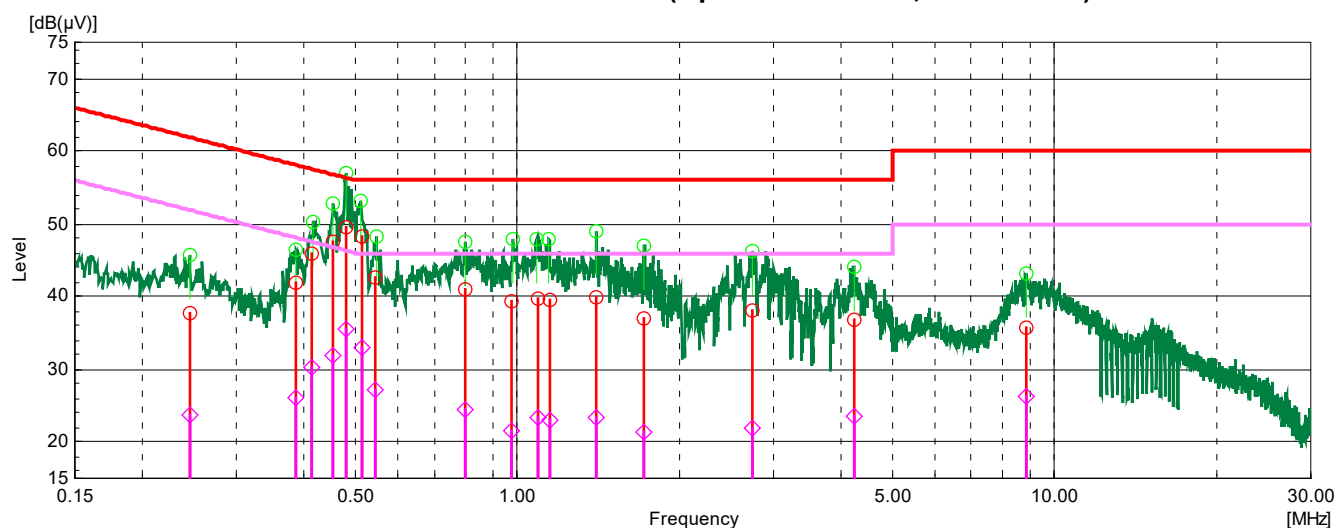
Conducted Emissions for L1 Line (Operation Mode 1, 240 V 60 Hz)



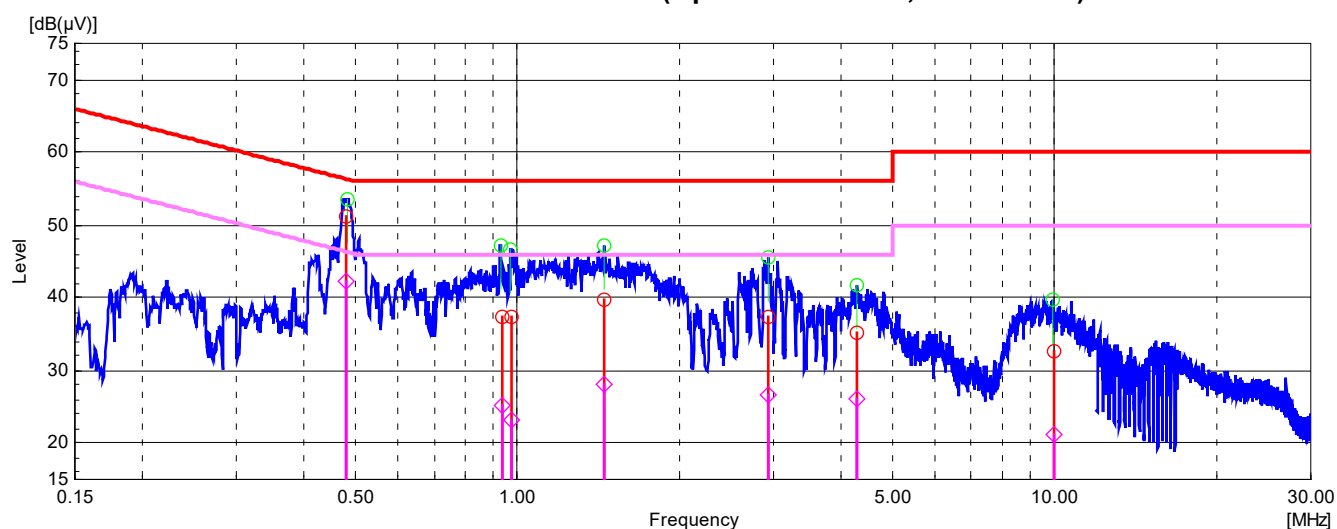
Conducted Emissions for N Line (Operation Mode 1, 240 V 60 Hz)



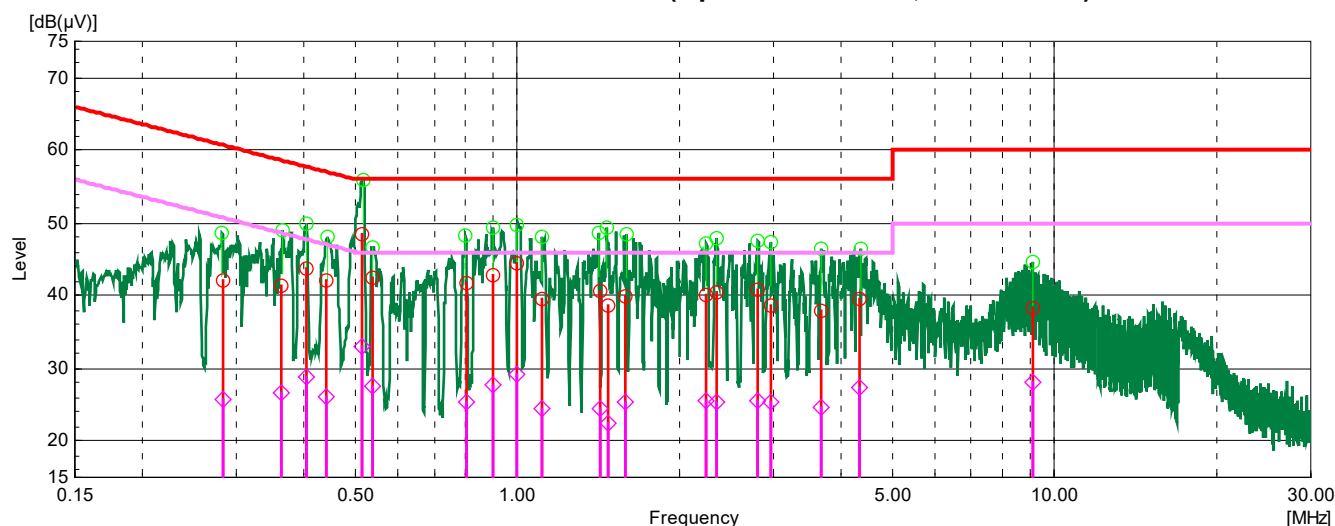
Conducted Emissions for L1 Line (Operation Mode 2, 120 V 60 Hz)



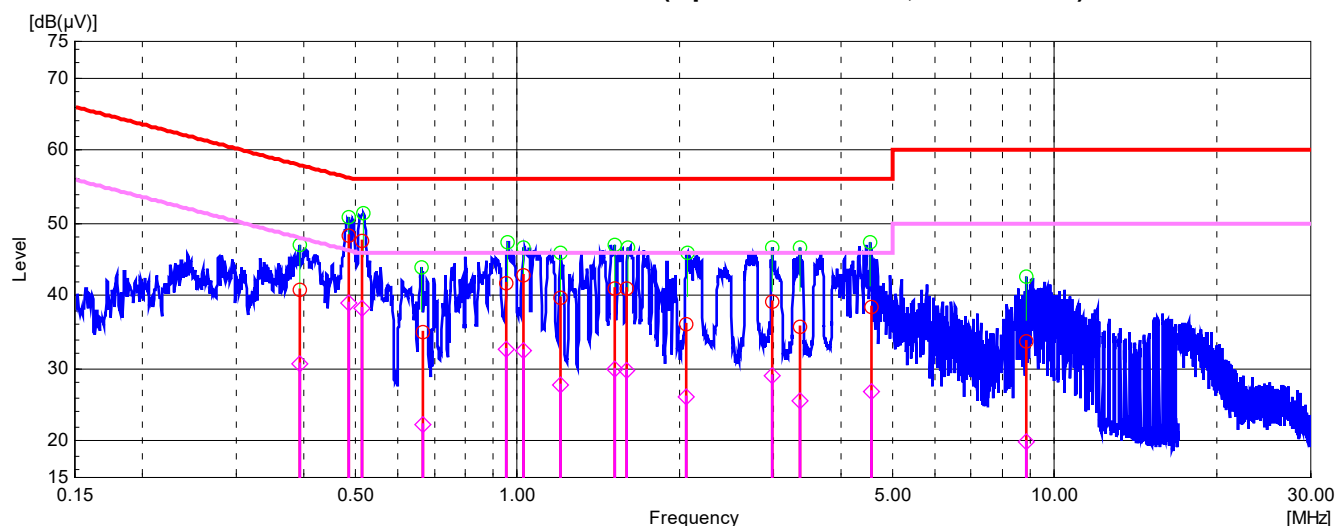
Conducted Emissions for N Line (Operation Mode 2, 120 V 60 Hz)



Conducted Emissions for L1 Line (Operation Mode 2, 240 V 60 Hz)



Conducted Emissions for N Line (Operation Mode 2, 240 V 60 Hz)



Note: The plots show the max hold (peak detector) pre-scan results measured. Blue graph represents the result of the N-Line; green graph - the results for L1-Line. The bar graphs indicate the final measurement result applying the dedicated detector at selected frequencies for each limit line (red cycle for quasi peak limit; violet cycle for average limit).

Legend (Conducted Emissions)	
Items	Description
	Blue graph is the result of peak measurement phase N
	Green graph is the result of peak measurement phase L1
	Limit line Quasi-Peak
	Limit line Average
	Suspected item
	Final item Quasi-Peak
	Final item Average

6.2 Radiated Magnetic Field Measurements from 9 kHz to 30 MHz

6.2.1 Test Summary:

Test Engineer:	T. Koch	Test Date:	03.02.2023
Test Sample S/N:	C2023 052; C2023 053		
Test Site Identification:	SR 1/2		
FCC Reference:	Parts 15.109 (e)		
Test Method Used:	ANSI C63.10: 2013 Sections 6.3 and 6.4		
Title:	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz Radiated emission measurements		
Frequency Range:	9 kHz to 30 MHz		

RE Field Strength Limits

FCC	☒ Part 15.209 (a)
other	OET MP-5

Environmental Conditions:

Temperature (°C):	23
Relative Humidity (%):	40

Note(s):

- Measurement software used: Toyo EMI Software; ME measurement software EP5/ME Ver 4.0.0
- The final measured value, for the given emission, in the table below incorporates the calibrated antenna factor, cable loss and correction factor.
Calculation: Level = test receiver reading + path loss (cable attenuation + antenna factor + conversation factor 300/ 30/ 3 m and 30/ 3 m (40 dB per decade of distance)).
- All other emissions shown on the pre-scan plot were investigated and found to be ambient or >20 dB below the applicable limit or below the measurement system noise floor.
- Measurements below 30 MHz were performed in a semi-anechoic chamber (SR 1/2 Asset Number 1603665) at a distance of 3 metres. The EUT was placed at a height of 80 cm above the reference ground plane in the centre of the chamber turntable. Maximum emission levels were determined by changing orientation of the measurement antenna.
In accordance with FCC KDB 414788 D01 Radiated Test Site & ANSI C63.10 clause 5.2 an alternative test site that can demonstrate equivalence to an open area test site may be used. Therefore, the measurement was performed in a Semi Anechoic Chamber. (The OATS / SAC comparison data is available upon request).

6.2.2 Numerical Results:

For EUT with S/N C2023 052:

Operating Mode 2 (120 V 60 Hz)

Frequency [MHz]	(P)	Level QP [dB(μV/m)]	Limit QP [dB(μV/m)]	Margin QP [dB]	Antenna Height [cm]	TT Angle [°]
0.104525	0°	30.8	107.2	76.4	100.0	82.0
0.137018	0°	23.2	104.9	81.7	100.0	79.0
0.212145	0°	42.3	101.1	58.8	100.0	79.0
1.728562	0°	29.6	70.0	40.4	100.0	80.0
2.284366	0°	39.5	70.0	30.5	100.0	134.0
2.368965	0°	31.8	70.0	38.2	100.0	82.0
20.092490	0°	24.3	70.0	45.7	100.0	79.0

Result: **Pass**

Frequency [MHz]	(P)	Level QP [dB(μV/m)]	Limit QP [dB(μV/m)]	Margin QP [dB]	Antenna Height [cm]	TT Angle [°]
0.111812	90°	23.8	106.6	82.8	100.0	141.0
0.145942	90°	25.9	104.3	78.4	100.0	141.0
0.215328	90°	37.9	100.9	63.0	100.0	138.0
0.559921	90°	31.2	72.6	41.4	100.0	140.0
2.281481	90°	39.3	70.0	30.7	100.0	78.0
2.378757	90°	28.5	70.0	41.5	100.0	82.0

Result: **Pass**

For EUT with S/N C2023 053:

Operating Mode 2 (120 V 60 Hz)

Frequency [MHz]	(P)	Level QP [dB(μV/m)]	Limit QP [dB(μV/m)]	Margin QP [dB]	Antenna Height [cm]	TT Angle [°]
0.034446	0°	46.7	116.8	70.1	100.0	79.0
0.070099	0°	33.3	110.7	77.4	100.0	78.0
0.108396	0°	25.6	106.9	81.3	100.0	77.0
0.213176	0°	41.8	101.0	59.2	100.0	79.0
1.759498	0°	27.3	70.0	42.7	100.0	78.0
2.271094	0°	33.5	70.0	36.5	100.0	132.0
2.399671	0°	26.4	70.0	43.6	100.0	81.0

Result: **Pass**

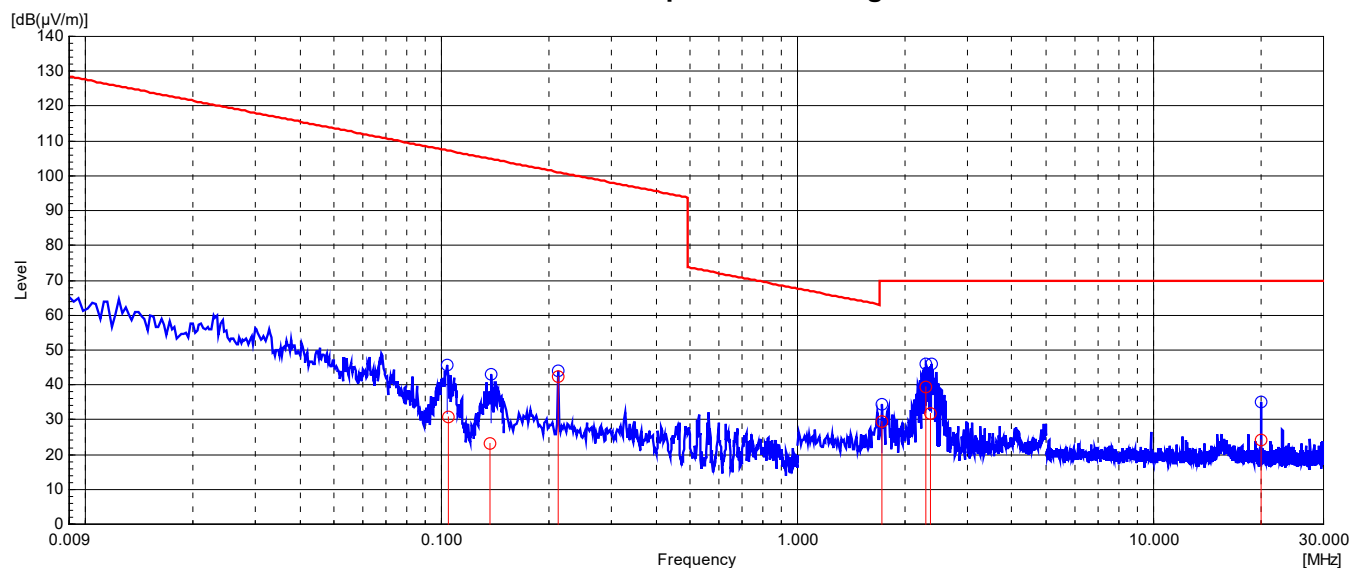
Frequency [MHz]	(P)	Level QP [dB(μV/m)]	Limit QP [dB(μV/m)]	Margin QP [dB]	Antenna Height [cm]	TT Angle [°]
0.124142	90°	23.1	105.7	82.6	100.0	127.0
0.537423	90°	34.0	73.0	39.0	100.0	140.0
0.603674	90°	32.5	72.0	39.5	100.0	141.0
2.248267	90°	32.6	70.0	37.4	100.0	78.0
2.441175	90°	26.7	70.0	43.3	100.0	84.0
19.574130	90°	24.4	70.0	45.6	100.0	197.0

Result: **Pass**

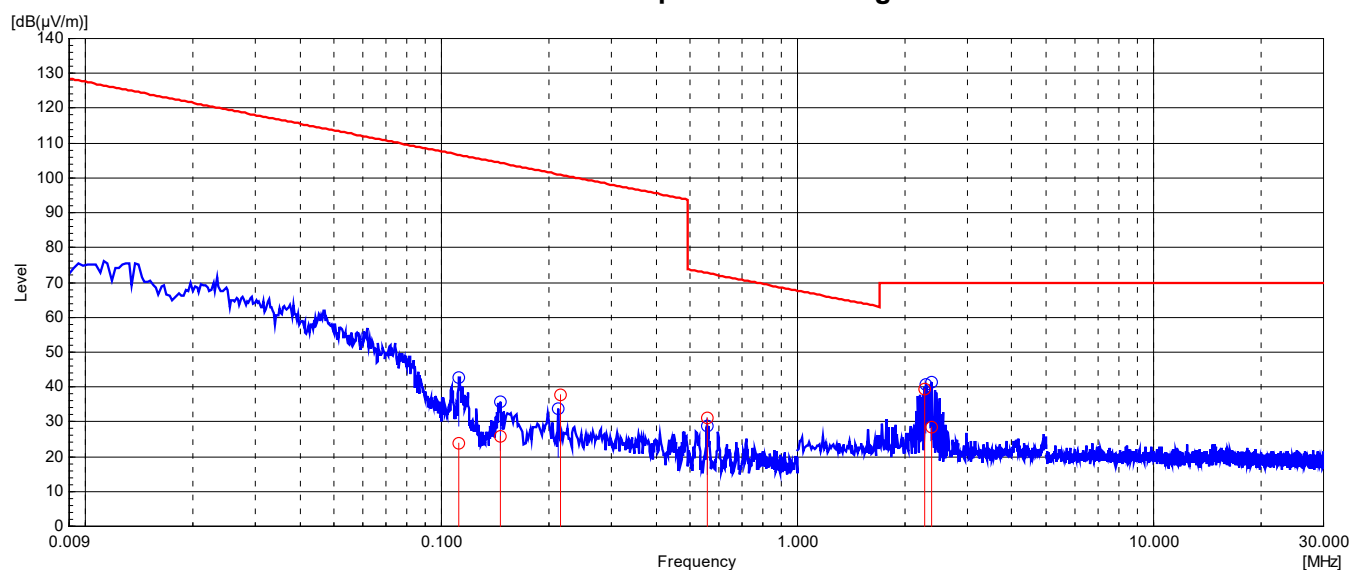
6.2.3 Graphical Plots:

For EUT with S/N C2023 052:

Radiated Emissions for Loop Antenna 0 degree to EUT

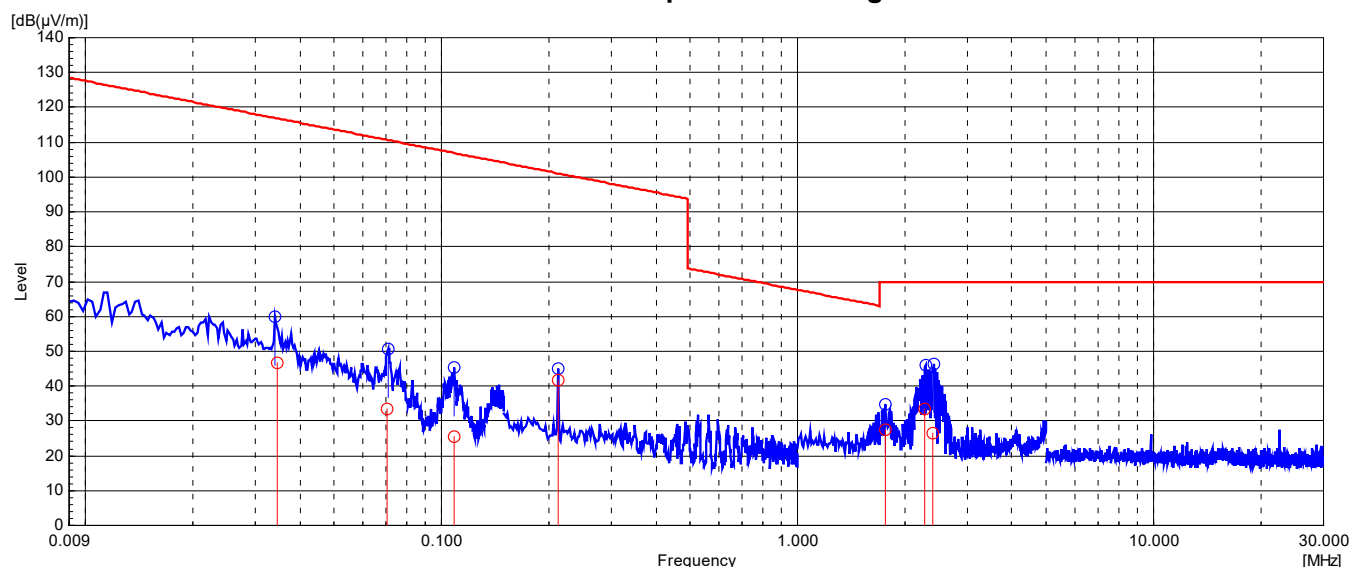


Radiated Emissions for Loop Antenna 90 degree to EUT

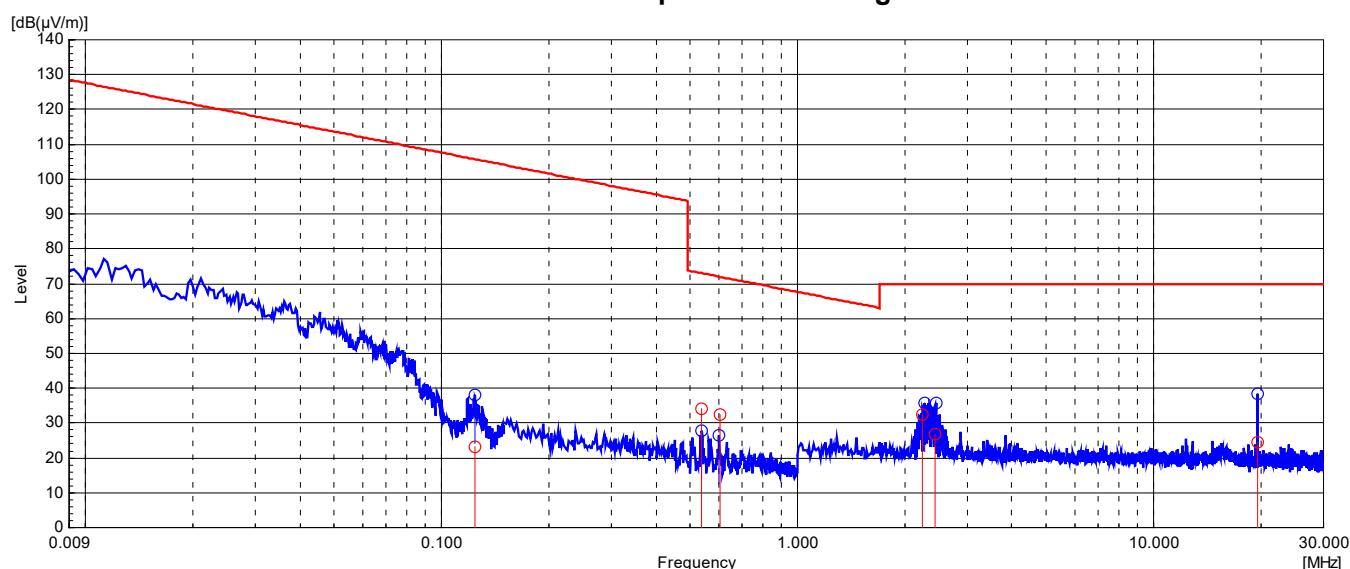


For EUT with S/N C2023 053:

Radiated Emissions for Loop Antenna 0 degree to EUT



Radiated Emissions for Loop Antenna 90 degree to EUT



Note: The plots show the max hold (peak detector) pre-scan results measured while rotating the TT continuously and antenna at a fixed position of 1 m height. Blue graph represents the result of the above mentioned antenna position. The bar graphs indicate the final measurement result applying the detector at selected frequencies (red circle for quasi peak limit).

Legend (Radiated Emissions below 30 MHz)	
Items	Description
	Blue graph is the result of peak measurement for stated antenna position
	Limit line Quasi-Peak
	Suspected item for given antenna position
	Final item Quasi-Peak for stated antenna position

6.3 Radiated Emissions from 30 MHz to 1000 MHz

6.3.1 Test Summary:

Test Engineer:	T. Koch	Test Date:	01.02.2023
Test Sample S/N:	C2023 052; C2023 053		
Test Site Identification:	SR 1/2		

FCC Reference:	Part 15.109
Test Method Used:	ANSI C63.4 Section 8
Title:	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz Radiated emission measurements
Frequency Range:	30 MHz to 1000 MHz
Class:	Class B Limit

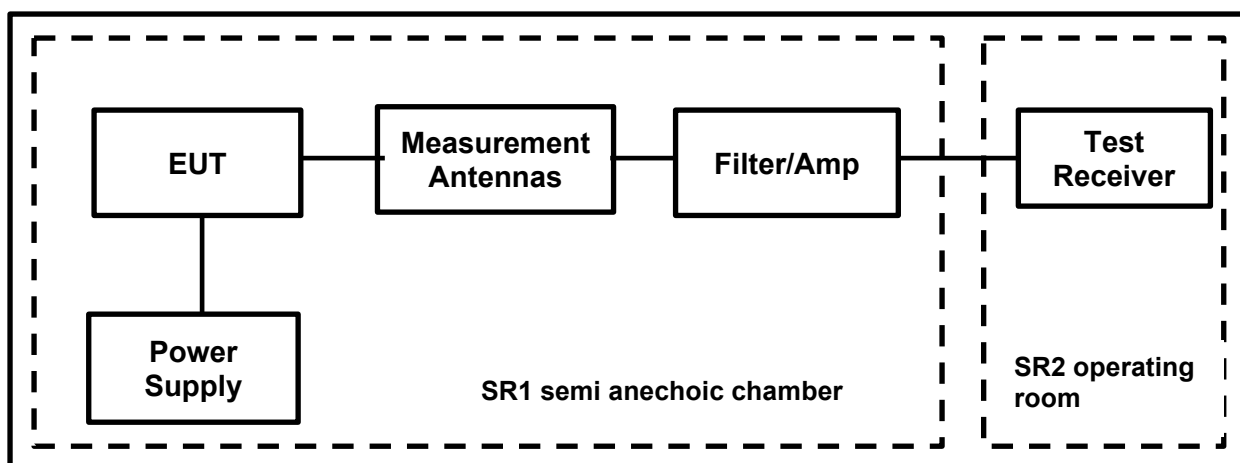
Environmental Conditions:

Temperature (°C):	21
Relative Humidity (%):	39

Note(s):

- Measurement SW used: Toyo EMI Software; RE measurement software EP5/RE Ver 4.0.1
- The final measured value, for the given emission, in the table below incorporates the calibrated antenna factor and cable loss.
Calculation: Level = test receiver reading + path loss (cable attenuation + antenna factor).
- All other emissions shown on the pre-scan plot were investigated and found to be ambient or >20 dB below the applicable limit or below the measurement system noise floor.
- Measurements below 1 GHz were performed in a semi-anechoic chamber (SR 1/2 Asset Number 1603665) at a distance of 3 m. The EUT was placed at a height of 80 cm above the reference ground plane in the centre of the chamber turntable. Maximum emission levels were determined by height searching the measurement antenna over the range 1 to 4 m.

6.3.2 Test Setup:



6.3.3 Numerical Results:

For EUT with S/N C2023 052:

Operating Mode 2 (120 V 60 Hz)

Frequency [MHz]	(P)	Reading QP dB(μV)	Factor dB(1/m)	Level QP dB(μV/m)	Limit QP dB(μV/m)	Margin QP dB	Height [cm]	Angle [°]
108.00480	H	16.4	17.7	34.1	43.5	9.4	319.0	162.0
499.63300	H	6.1	27.7	33.8	46.0	12.2	100.0	303.0
32.96218	V	9.4	19.1	28.5	40.0	11.5	100.0	184.0
34.92884	V	10.8	19.4	30.2	40.0	9.8	100.0	279.0
35.85961	V	11.4	19.5	30.9	40.0	9.1	100.0	282.0
108.00609	V	15.2	17.7	32.9	43.5	10.6	100.0	211.0
216.01041	V	14.6	18.6	33.2	46.0	12.8	100.0	267.0
950.00388	V	6.3	35.6	41.9	46.0	4.1	100.0	237.0

Result: **Pass**

For EUT with S/N C2023 053:

Operating Mode 2 (120 V 60 Hz)

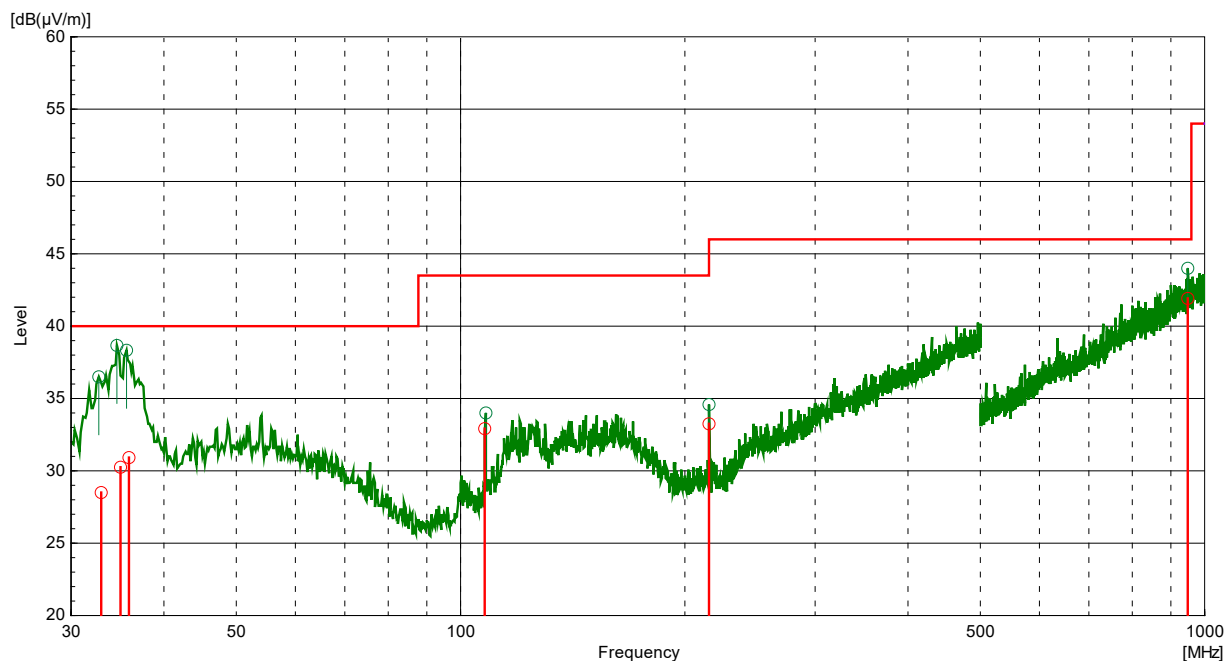
Frequency [MHz]	(P)	Reading QP dB(μV)	Factor dB(1/m)	Level QP dB(μV/m)	Limit QP dB(μV/m)	Margin QP dB	Height [cm]	Angle [°]
107.95409	H	16.1	17.7	33.8	43.5	9.7	311.0	152.0
339.24678	H	5.7	23.7	29.4	46.0	16.6	100.0	332.0
943.73563	H	6.4	35.4	41.8	46.0	4.2	100.0	127.0
34.10577	V	9.6	19.3	28.9	40.0	11.1	100.0	181.0
34.58301	V	10.1	19.3	29.4	40.0	10.6	100.0	283.0
36.06987	V	11.1	19.5	30.6	40.0	9.4	100.0	280.0
53.97597	V	9.6	20.8	30.4	40.0	9.6	100.0	207.0
107.95609	V	15.0	17.7	32.7	43.5	10.8	100.0	213.0
127.81151	V	6.9	19.9	26.8	43.5	16.7	100.0	291.0
161.93270	V	10.3	21.5	31.8	43.5	11.7	100.0	243.0
215.90870	V	14.7	18.6	33.3	43.5	10.2	100.0	282.0
497.51119	V	6.0	27.7	33.7	46.0	12.3	100.0	155.0

Result: **Pass**

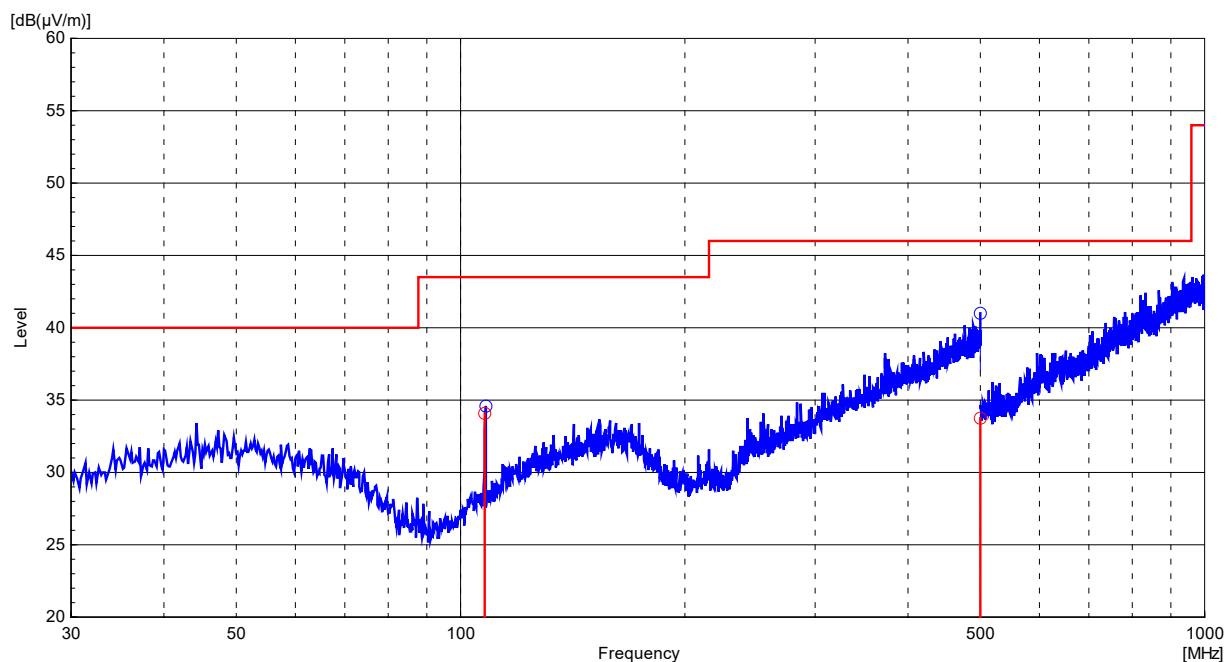
6.3.4 Graphical Plots:

For EUT with S/N C2023 052:

Radiated Emissions from 30 MHz to 1000 MHz for Vertical Polarization

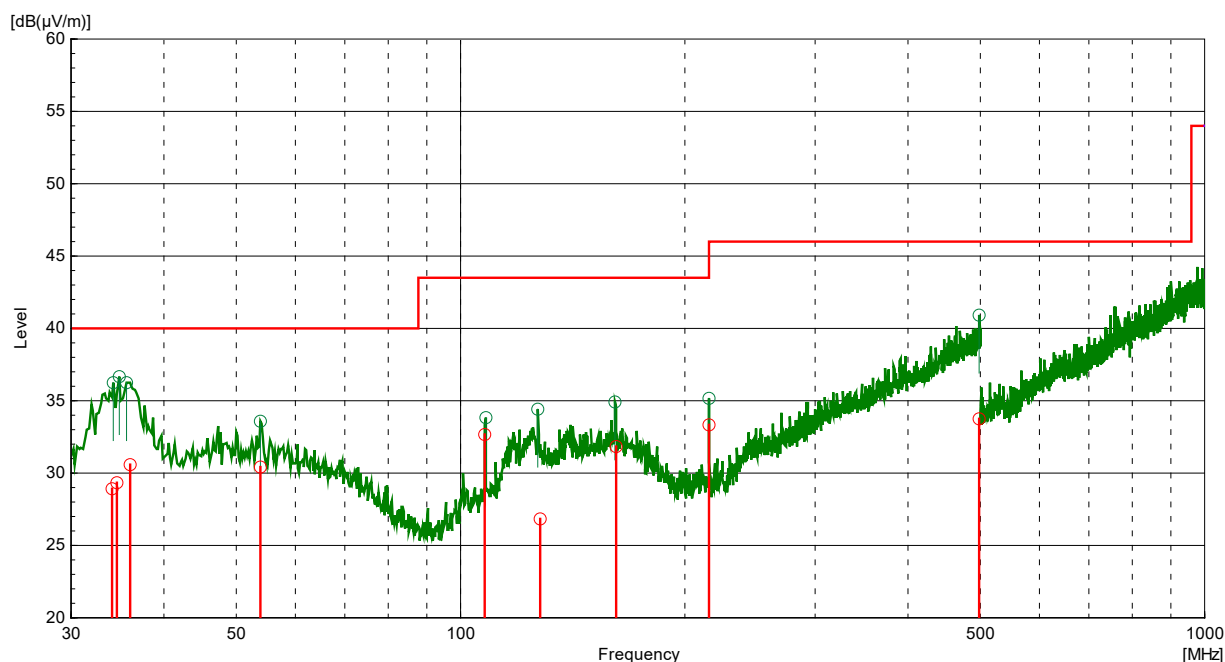


Radiated Emissions from 30 MHz to 1000 MHz for Horizontal Polarization

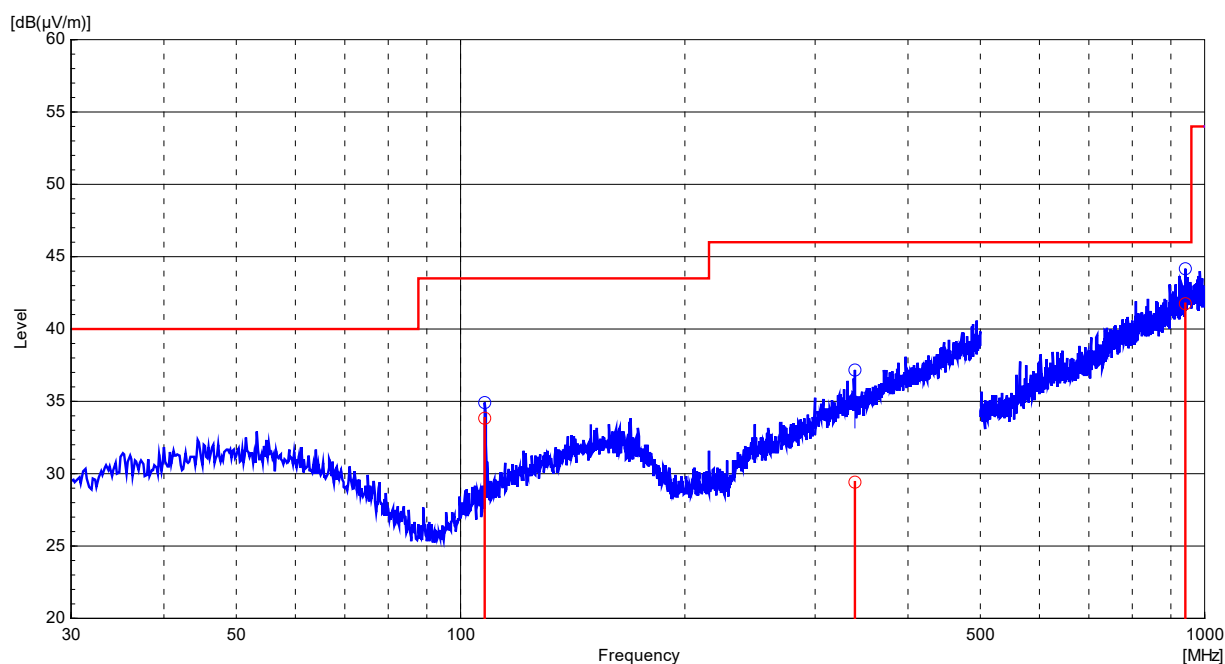


For EUT with S/N C2023 053:

Radiated Emissions from 30 MHz to 1000 MHz for Vertical Polarization



Radiated Emissions from 30 MHz to 1000 MHz for Horizontal Polarization



Note: The plots show the max hold (peak detector) pre-scan results measured while rotating the TT continuously and an antenna movement between 1 – 4 m height. Blue graph represents the result of the horizontal antenna polarization; green graph the results measured with vertical antenna polarization. The bar graphs indicate the final measurement result applying the detector at selected frequencies (red circle for quasi peak limit).

Legend (Radiated Emissions below 1 GHz)	
Items	Description
	Blue graph is the result of peak measurement for horizontal antenna polarization
	Green graph is the result of peak measurement for vertical antenna polarization
	Limit line Quasi-Peak
	Suspected item for horizontal antenna polarization
	Suspected item for vertical antenna polarization
	Final item Quasi-Peak for horizontal and vertical antenna polarization

6.4 Radiated Emissions from 1 GHz to 15 GHz

6.4.1 Test Summary:

Test Engineer:	T. Koch	Test Date:	01.02.2023
Test Sample S/N:	C2023 052; C2023 053		
Test Site Identification:	SR 1/2		
FCC Reference:	Part 15.109		
Test Method Used:	ANSI C63.4 Section 8		
Title:	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz Radiated emission measurements		
Frequency Range:	1000 MHz to 15000 MHz		
Class:	Class B Limit		

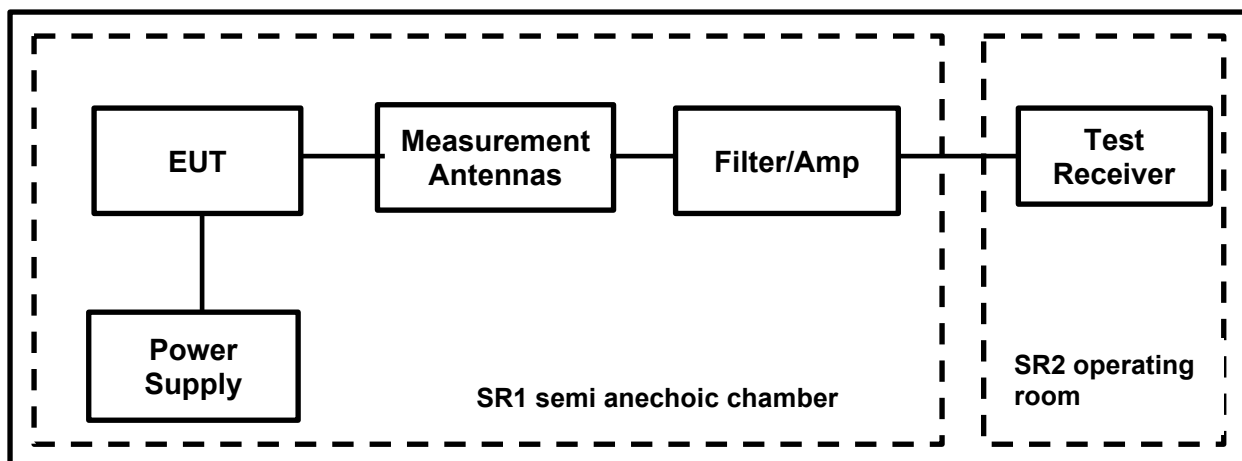
Environmental Conditions:

Temperature (°C):	21
Relative Humidity (%):	39

Note(s):

14. Measurement SW used: Toyo EMI Software; RE measurement software EP5/RE Ver 4.0.1.
15. The final measured value, for the given emission, in the table below incorporates the calibrated antenna factor and cable loss.
Calculation: Level = test receiver reading + path loss (cable attenuation + antenna factor).
16. All other emissions shown on the pre-scan plot were investigated and found to be ambient or >20 dB below the applicable limit or below the measurement system noise floor.
17. Measurements Above 1 GHz were performed in a semi-anechoic chamber (SR 1/2 Asset Number 1603665) with absorbers on the ground floor at a distance of 3 m. The EUT was placed at a height of 80 cm above the reference ground plane in the centre of the chamber turntable. Maximum emission levels were determined by height searching the measurement antenna over the range 1 to 4 m.

6.4.2 Test Setup:



6.4.3 Numerical Results:

For EUT with S/N C2023 052:

Operating Mode 2 (120 V 60 Hz)

Frequency [MHz]	(P)	Level AV [dB(μV/m)]	Level PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin AV [dB]	Margin PK [dB]	Height [cm]	Angle [°]
3122.575	H	32.2	52.6	54.0	74.0	21.8	21.4	100.0	340.0
3215.997	H	33.0	49.4	54.0	74.0	21.0	24.6	133.0	341.0
3311.996	H	33.4	52.6	54.0	74.0	20.6	21.4	290.0	200.0
4725.367	H	37.9	50.7	54.0	74.0	16.1	23.3	100.0	339.0
11305.640	H	49.4	62.4	54.0	74.0	4.6	11.6	100.0	17.0
3311.998	V	33.1	49.4	54.0	74.0	20.9	24.6	100.0	4.0
9031.474	V	47.7	61.1	54.0	74.0	6.3	12.9	100.0	41.0

Result: **Pass**

For EUT with S/N C2023 053:

Operating Mode 2 (120 V 60 Hz)

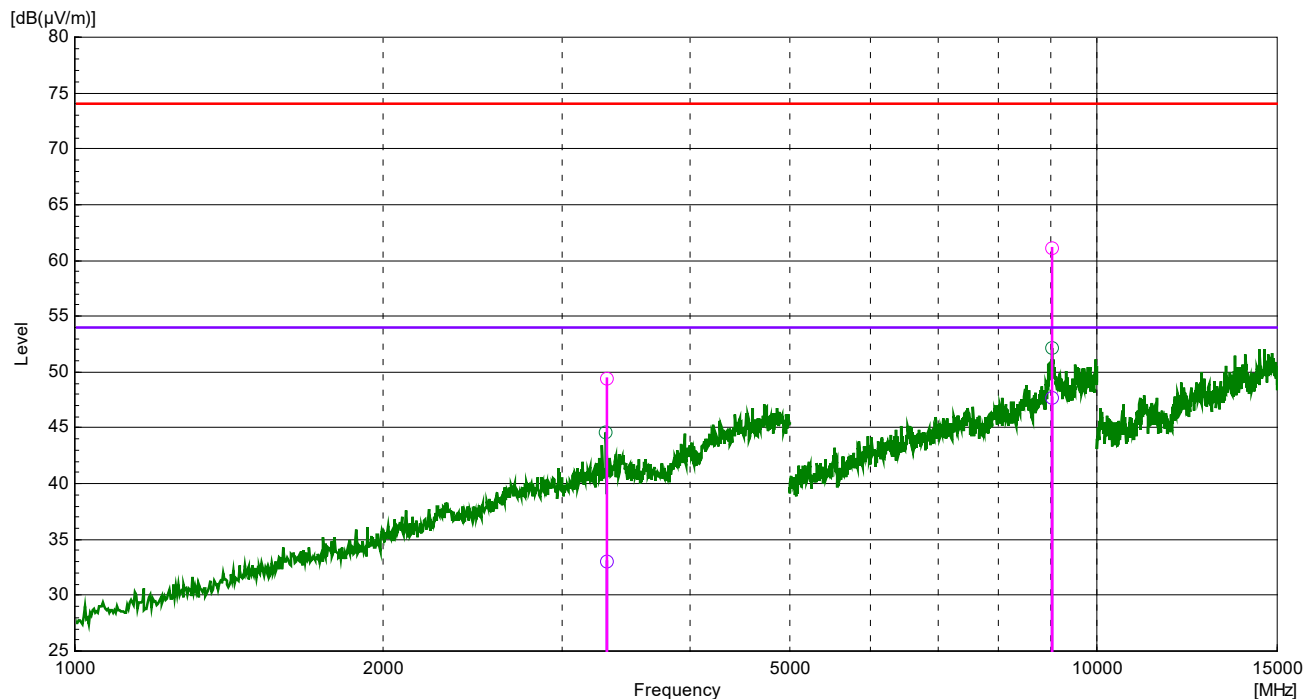
Frequency [MHz]	(P)	Level AV [dB(μV/m)]	Level PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin AV [dB]	Margin PK [dB]	Height [cm]	Angle [°]
3311.999	H	33.5	52.3	54.0	74.0	20.5	21.7	100.0	202.0
4742.113	H	38.1	51.9	54.0	74.0	15.9	22.1	100.0	97.0
6531.507	H	41.6	55.4	54.0	74.0	12.4	18.6	195.0	111.0
9024.872	H	47.8	61.1	54.0	74.0	6.2	12.9	100.0	259.0
3213.332	V	32.1	50.9	54.0	74.0	21.9	23.1	100.0	60.0
3252.000	V	33.6	51.0	54.0	74.0	20.4	23.0	100.0	58.0
4907.629	V	37.8	51.5	54.0	74.0	16.2	22.5	194.0	90.0
9016.539	V	47.5	61.3	54.0	74.0	6.5	12.7	139.0	356.0

Result: **Pass**

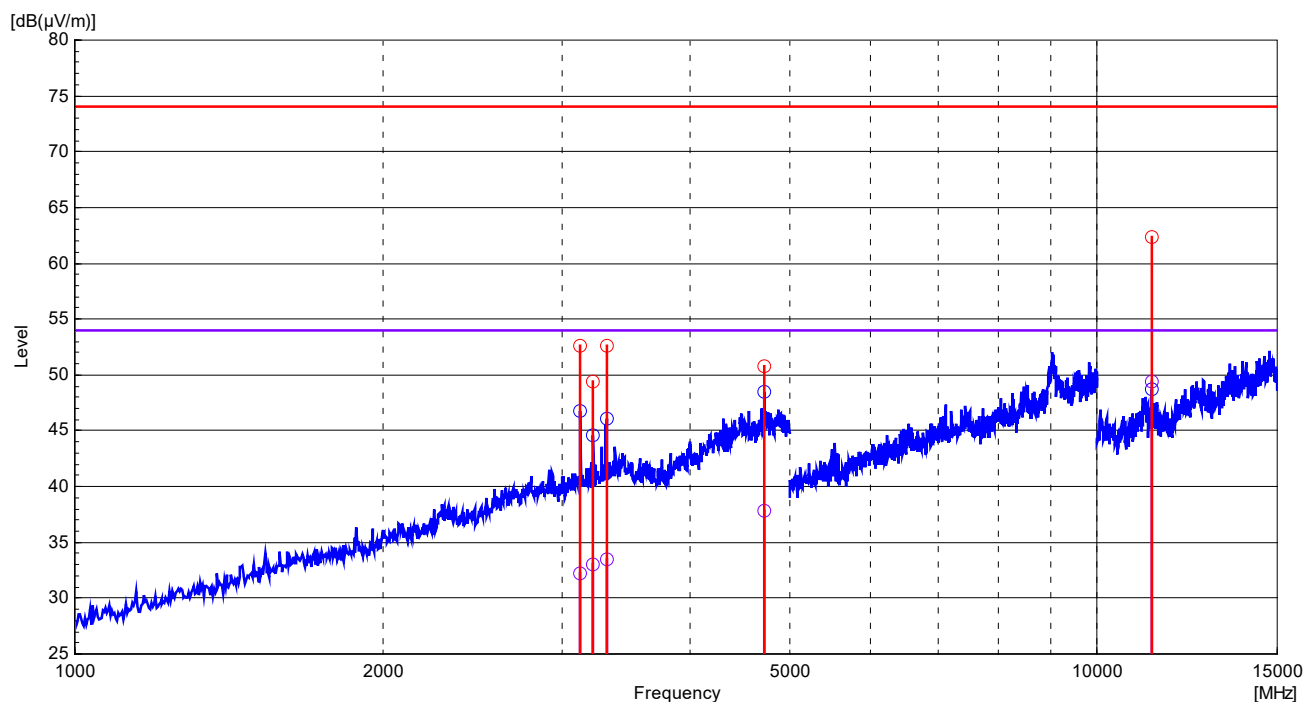
6.4.4 Graphical Plots:

For EUT with S/N C2023 052:

Radiated Emissions from 1 GHz to 15 GHz for Vertical Polarization

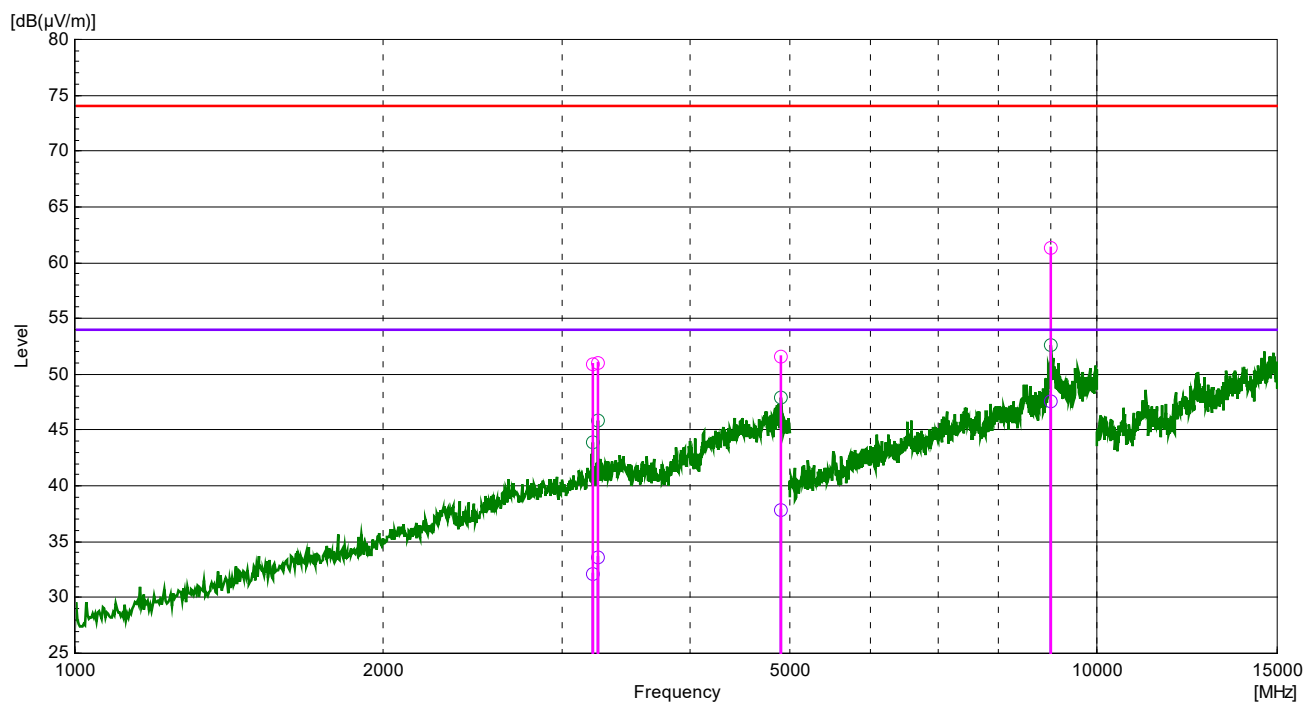


Radiated Emissions from 1 GHz to 15 GHz for Horizontal Polarization

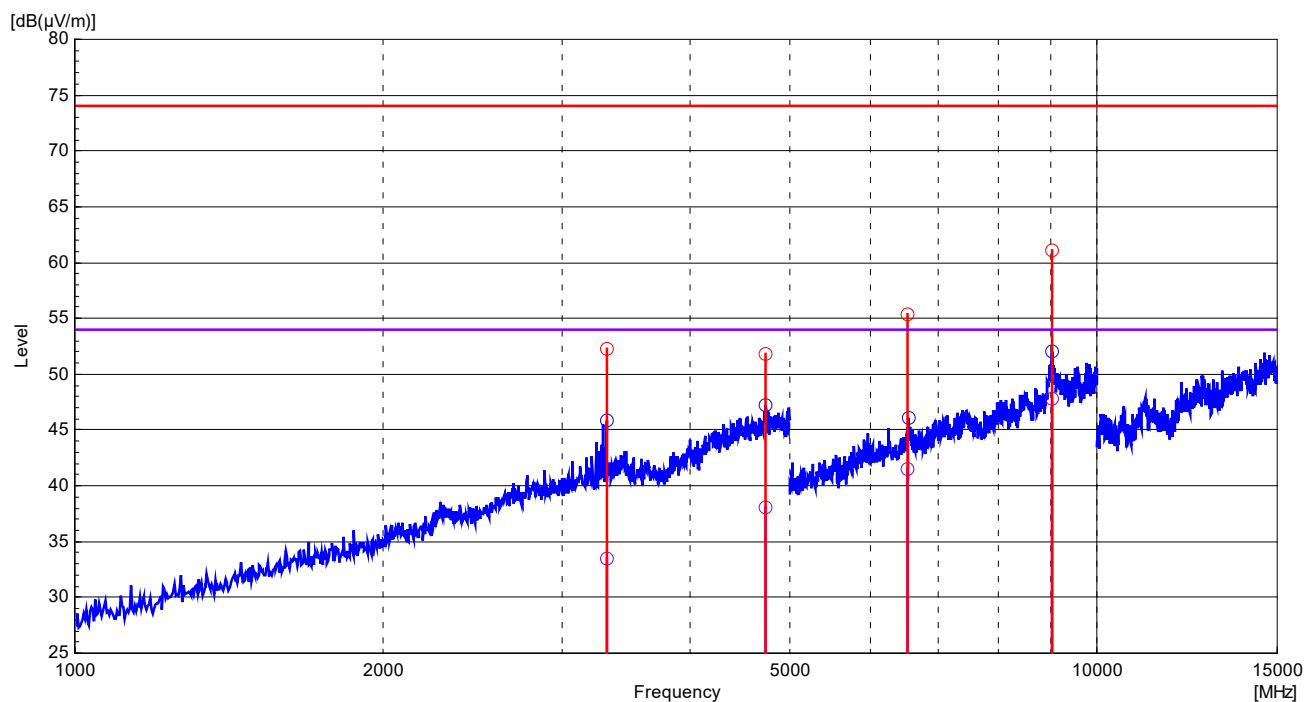


For EUT with S/N C2023 053:

Radiated Emissions from 1 GHz to 15 GHz for Vertical Polarization



Radiated Emissions from 1 GHz to 15 GHz for Horizontal Polarization



Note: The plots show the max hold (peak detector) pre-scan results measured while rotating the TT continuously and an antenna movement between 1 – 4 m height. Blue graph represents the result of the horizontal antenna polarization; green graph the results measured with vertical antenna polarization. The bar graphs indicate the final measurement result applying the dedicated detector at selected frequencies for each limit line (red cycle for peak limit; violet cycle for average limit).

Legend (Radiated Emissions above 1 GHz)	
Items	Description
	Blue graph is the result of peak measurement for horizontal antenna polarization
	Green graph is the result of peak measurement for vertical antenna polarization
	Limit line Average
	Limit line Peak
	Suspected item for horizontal antenna polarization
	Suspected item for vertical antenna polarization
	Final item Average for horizontal and vertical antenna polarization
	Final item Peak for horizontal antenna polarization
	Final item Peak for vertical antenna polarization

7 Used equipment

SR 1/2

ID	used	Manufacturer	Type	Model	Serial	Cal Date	Cal. Cycle
1	☒	Rohde & Schwarz	Antenna, Loop	HFH2-Z2	831247/012	2020-07-10	36
363	☐	Wainwright	Notch Filter GSM900	WW-NF9	100002	lab verification	n/a
377	☒	BONN Elektronik	Amplifier, Low Noise Pre	BLMA 0118-1A	025294B	2022-07-13	12
460	☒	Deisl	Turntable	DT 4250 S		n/a	n/a
465	☒	Schwarzbeck	Antenna, Trilog Broadband	VULB 9168	9168-240	2020-09-02	36
495	☒	Rohde & Schwarz	Antenna, Log. - Periodical	HL050	100296	2021-08-06	24
496	☐	Rohde & Schwarz	Antenna, log. - periodical	HL050	100297	2022-08-22	24
588	☒	Maturo	Controller	NCD	029/7180311	n/a	n/a
591	☒	Rohde & Schwarz	Receiver	ESU 40	100244/040	2022-07-13	12
608	☒	Rohde & Schwarz	Switch Matrix	OSP 120	101227	lab verification	n/a
611	☐	Wainwright Instruments	Band Reject Filter DL LTE	WRCGV8-	1	lab verification	n/a
612	☐	Wainwright Instruments	Band Reject Filter UL LTE	WRCGV8-	1	lab verification	n/a
613	☐	Wainwright Instruments	Band Reject Filter WLAN/ BT	WRCTF12-	1	lab verification	n/a
614	☐	Wainwright Instruments	High pass Filter 3GHz	WHKX10-	1	lab verification	n/a
615	☐	Wainwright Instruments	High pass Filter 1GHz	WHKX12-	3	lab verification	n/a
624	☐	Wainwright	6 GHz high-pass filter	WHKX10-5850-6500-18000-40SS	5	lab verification	n/a
628	☒	Maturo	Antenna mast	CAM 4.0-P	224/19590716	n/a	n/a
-/-	☒	TFA Dostmann	Digital Thermo-Hygrometer	No. 30.5002	06	lab verification	n/a
681	☒	Maturo	Antenna mast, tilting	BAM 4.5-P	402/0718.10	n/a	n/a

SR 7/8

ID	used	Manufacturer	Type	Model	Serial	Cal Date	Cal. Cycle
22	☐	Rohde & Schwarz	Artificial Mains	ESH3-Z5	831767/014	2022-07-11	12
23	☒	Rohde & Schwarz	Artificial Mains	ESH3-Z5	831767/013	2022-07-11	12
215	☐	Rohde & Schwarz	Artificial Mains Network	ESH2-Z5	879675/002	2021-07-14	24
349	☒	Rohde & Schwarz	Receiver, EMI Test	ESIB7	836697/009	2022-07-12	12
351	☐	Rohde & Schwarz	network, Artificial Mains	ESH3-Z5	862770/018	2022-07-11	12
-/-	☒	TFA Dostmann	Digital Thermo-Hygrometer	No. 30.5002	05	lab verification	n/a

8 Report Revision History

Version Number	Revision Details		
	Page No(s)	Clause	Details
1.0	58	-	TK: Initial Version
2.0	48	Cl 6.x	TK: removed test setup photos and external photo
2.1	48	Cl 3.1 Cl 6.2	TK: add FCC ID in Cl 3.1 (Identification of Eut) & front page add a 2 nd paragraph to note 9 (equivalence to open area test site)

--End of Report--