FCC and ISED Test Report

Apple Inc

Model: A3403

In accordance with FCC 47 CFR Part 15C and ISED RSS-247 and ISED RSS-GEN

Prepared for: Apple Inc

One Apple Park Way

Cupertino California 95014 USA

FCC ID: BCGA3403 IC: 579C-A3403

COMMERCIAL-IN-CONFIDENCE

Document 75961394-54 Issue 01



Signatures in this approval box have checked this document in line with the requirements of TÜV SÜD document control rules.

ENGINEERING STATEMENT

The measurements shown in this report were made in accordance with the procedures described on test pages. All reported testing was carried out on a sample equipment to demonstrate limited compliance with FCC 47 CFR Part 15C and ISED RSS-247 and ISED RSS-GEN. The sample tested was found to comply with the requirements defined in the applied rules.

RESPONSIBLE FOR	NAME	DATE	SIGNATURE
Testing	Connor Lee	12 September 2024	M

FCC Accreditation ISED Accreditation

492497/UK2010 Octagon House, Fareham Test Laboratory 12669A/UK0003 Octagon House, Fareham Test Laboratory

EXECUTIVE SUMMARY

A sample of this product was tested and found to be compliant with FCC 47 CFR Part 15C, ISED RSS-247 and ISED RSS-GEN: 2023, Issue 3 (2023-08) and Issue 5 (2018-04) + A2 (2021-02) for the tests detailed in section 1.3.





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1 Report Summary

1.1 Report Modification Record

Alterations and additions to this report will be issued to the holders of each copy in the form of a complete document.

Issue	Description of Change	Date of Issue
1	First Issue	12-Sept-2024

Table 1

1.2 Introduction

Applicant Apple Inc Manufacturer Apple Inc

EUT/Sample Identification Refer to section 1.6

Test Specification/Issue/Date FCC 47 CFR Part 15C, ISED RSS-247 and ISED RSS-

GEN: 2023, Issue 3 (2023-08) and Issue 5 (2018-04) + A2

(2021-02)

Start of Test 22-August-2024
Finish of Test 22-August-2024

Name of Engineer(s) Connor Lee

Related Document(s) ANSI C63.10 (2020)



1.3 Brief Summary of Results

A brief summary of the tests carried out in accordance with FCC 47 CFR Part 15C and ISED RSS-247 and ISED RSS-GEN is shown below.

Section	Specification Clause	Test Description	Result	Comments/Base Standard	
Configuration	Configuration and Mode: AC Powered - 2.4 GHz Bluetooth				
2.1	15.207, 3.1 and 8.8	AC Power Line Conducted Emissions	Pass	ANSI C63.10	

Table 2

Section	Specification Clause	Test Description	Result	Comments/Base Standard
Configuratio	Configuration and Mode: AC Powered - 2.4 GHz WLAN			
2.1	15.207, 3.1 and 8.8	AC Power Line Conducted Emissions	Pass	ANSI C63.10

Table 3

Section	Specification Clause	Test Description	Result	Comments/Base Standard
Configuratio	Configuration and Mode: AC Powered - 5 GHz WLAN			
2.1	15.207, 3.1 and 8.8	AC Power Line Conducted Emissions	Pass	ANSI C63.10

Table 4

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Section	Specification Clause	Test Description	Result	Comments/Base Standard
Configuratio	Configuration and Mode: AC Powered - 6 GHz WLAN			
2.1	15.207, 3.1 and 8.8	AC Power Line Conducted Emissions	Pass	ANSI C63.10

Table 5

Section	Specification Clause	Test Description	Result	Comments/Base Standard
Configuratio	Configuration and Mode: AC Powered - Thread			
2.1	15.207, 3.1 and 8.8	AC Power Line Conducted Emissions	Pass	ANSI C63.10

Table 6

Section	Specification Clause	Test Description	Result	Comments/Base Standard
Configuration and Mode: AC Powered - Narrowband				
2.1	15.207, 3.1 and 8.8	AC Power Line Conducted Emissions	Pass	ANSI C63.10

Table 7

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1.4 Product Information

1.4.1 Technical Description

The equipment under test (EUT) was a portable laptop computer.

1.4.2 EUT Port/Cable Identification

Port	Max Cable Length specified	Usage	Туре	Screened		
Configuration and Mod	Configuration and Mode: AC Powered – All Modes					
AC Power Port	2 m	Power	AC to DC Power Adapter with USB-C output and MagSafe cable	No		
USB Port 1	2 m	Data	USB Type-C	No		
USB Port 2	Unterminated	Data	USB Type-C	No		
USB Port 3	Unterminated	Data	USB Type-C	No		
HDMI Port	2 m	Video output	HDMI	No		
Audio Jack Port	1 m	Audio Output	3.5 mm Jack	No		

Table 8

1.4.3 Test Configuration

Configuration	Description
AC Powered	The EUT was powered from a 120 V 60 Hz AC supply using an AC to DC adapter with USB-C output. PSU Model: A2743. A PC hub was used to terminate USB Port 1, HDMI port and Audio jack port. USB port 2 was unterminated. USB port 3 was unterminated.

Table 9

1.4.4 Modes of Operation

Mode	Description
2.4 GHz Bluetooth	The EUT was powered with a connection established with a CMW 500 test set.
2.4 GHz WLAN	The EUT was powered with a network link established with an access point.
5 GHz WLAN	The EUT was powered with a network link established with an access point.
6 GHz WLAN	The EUT was powered with a network link established with an access point.
Thread	The EUT was powered and placed in a link with another customer provided slave device.
Narrowband	The EUT was powered and placed in a link with another customer provided slave device.

Table 10



1.5 Deviations from the Standard

No deviations from the applicable test standard were made during testing.

1.6 Identification of the EUT

The table below details identification of the EUT(s) that have been used to carry out the testing within this report.

Model: A3403			
Serial Number	Hardware Version	Software Version	Firmware
KPWWWRWPXH	REV1.0	24A295	WLAN: 23.10.864.0.41.51.156 Bluetooth: 22.1.116.1032
LNFVDYVTJH	REV1.0	24A32191s	WLAN: 23.10.833.0.41.51.146 Bluetooth: 22.1.65.459

Table 11

1.7 EUT Modification Record

The table below details modifications made to the EUT during the test programme.

The modifications incorporated during each test are recorded on the appropriate test pages.

Modification State	Description of Modification still fitted to EUT	Modification Fitted By	Date Modification Fitted
Model: A3403, Seria	al Number: LNFVDYVTJH		
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A3403, Serial Number: KPWWWRWPXH			
0	As supplied by the customer	Not Applicable	Not Applicable

Table 12



1.8 Test Location

TÜV SÜD conducted the following tests at our Octagon House Test Laboratory.

Test Name	Name of Engineer(s)	Accreditation		
Configuration and Mode: AC Powered - 2.4 GHz Bluetooth				
AC Power Line Conducted Emissions Connor Lee UKAS				

Table 13

Test Name	Name of Engineer(s)	Accreditation		
Configuration and Mode: AC Powered - 2.4 GHz WLAN				
AC Power Line Conducted Emissions Connor Lee UKAS				

Table 14

Test Name	Name of Engineer(s)	Accreditation		
Configuration and Mode: AC Powered - 5 GHz WLAN				
AC Power Line Conducted Emissions	Connor Lee	UKAS		

Table 15

Test Name	Name of Engineer(s)	Accreditation		
Configuration and Mode: AC Powered - 6 GHz WLAN				
AC Power Line Conducted Emissions	Connor Lee	UKAS		

Table 16

Test Name	Name of Engineer(s)	Accreditation		
Configuration and Mode: AC Powered - Thread				
AC Power Line Conducted Emissions Connor Lee UKAS				

Table 17

Test Name	Name of Engineer(s)	Accreditation		
Configuration and Mode: AC Powered - Narrowband				
AC Power Line Conducted Emissions	Connor Lee	UKAS		

Table 18

Office Address:

TÜV SÜD Octagon House Concorde Way Fareham Hampshire PO15 5RL United Kingdom



2 Test Details

2.1 AC Power Line Conducted Emissions

2.1.1 Specification Reference

FCC 47 CFR Part 15C, ISED RSS-247 and ISED RSS-GEN, Clause 15.207, 3.1 and 8.8

2.1.2 Equipment Under Test and Modification State

A3403, S/N: KPWWWRWPXH - Modification State 0 A3403, S/N: LNFVDYVTJH - Modification State 0

2.1.3 Date of Test

22-August-2024

2.1.4 Test Method

The test was performed in accordance with ANSI C63.10, clause 6.2.

The EUT was placed on a non-conductive table 0.8m above a reference ground plane and 0.4m away from a vertical coupling plane.

All power was connected to the EUT through an Artificial Mains Network (AMN).

Conducted disturbance voltage measurements on mains lines were made at the output of the AMN.

2.1.5 Example Calculation

Quasi-Peak level (dB μ V) = Receiver level (dB μ V) + Correction Factor (dB) Margin (dB) = Quasi-Peak level (dB μ V) - Limit (dB μ V)

CISPR Average level ($dB\mu V$) = Receiver level ($dB\mu V$) + Correction Factor (dB) Margin (dB) = CISPR Average level ($dB\mu V$) - Limit ($dB\mu V$)



2.1.6 Example Test Setup Diagram

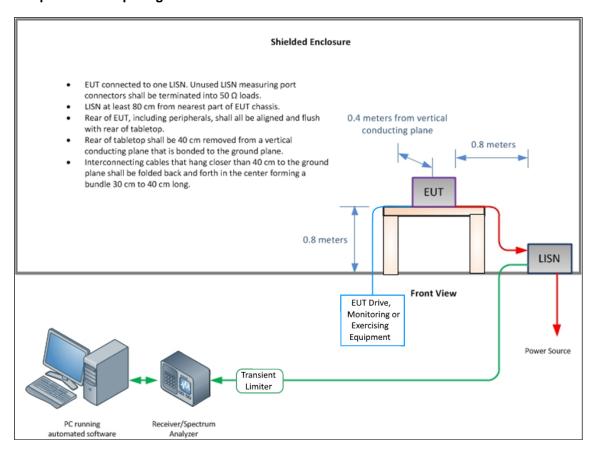


Figure 1 - Conducted Disturbance

2.1.7 Environmental Conditions

Ambient Temperature 24.1 °C Relative Humidity 47.5 %

2.1.8 Specification Limits

Frequency of Emission (MHz)	Conducted Limit (dBµV)		
	Quasi-Peak CISPR Average		
0.15 to 0.5	66 to 56*	56 to 46*	
0.5 to 5	56	46	
5 to 30	60	50	

Table 19

^{*}Decreases with the logarithm of the frequency.



2.1.9 Test Results

AC Powered - 2.4 GHz Bluetooth

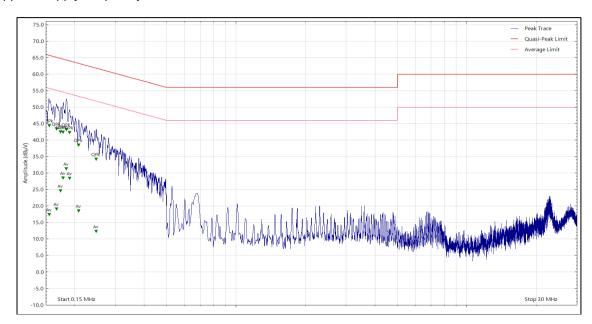


Figure 2 - Live Line - 150 kHz to 30 MHz

Frequency (MHz)	Level (dBµV)	Level (dBµV)	Margin (dB)	Detector
0.155	43.72	65.80	-22.08	Q-Peak
0.155	16.74	55.80	-39.06	CISPR Avg
0.167	42.67	65.10	-22.43	Q-Peak
0.167	18.39	55.10	-36.71	CISPR Avg
0.174	23.93	54.80	-30.87	CISPR Avg
0.174	41.77	64.80	-23.03	Q-Peak
0.178	41.67	64.60	-22.93	Q-Peak
0.178	27.85	54.60	-26.75	CISPR Avg
0.184	42.53	64.30	-21.77	Q-Peak
0.184	30.63	54.30	-23.67	CISPR Avg
0.190	41.57	64.00	-22.43	Q-Peak
0.190	27.71	54.00	-26.29	CISPR Avg
0.208	17.81	53.30	-35.49	CISPR Avg
0.208	37.80	63.30	-25.50	Q-Peak
0.248	33.50	61.80	-28.30	Q-Peak
0.248	11.66	51.80	-40.14	CISPR Avg

Table 20 - Live Line Emissions Results



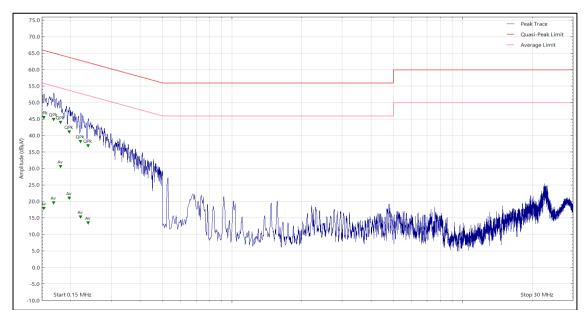


Figure 3 - Neutral Line - 150 kHz to 30 MHz

Frequency (MHz)	Level (dBµV)	Level (dBµV)	Margin (dB)	Detector
0.153	17.20	55.80	-38.60	CISPR Avg
0.153	44.82	65.80	-20.98	Q-Peak
0.169	44.18	65.00	-20.82	Q-Peak
0.169	18.92	55.00	-36.08	CISPR Avg
0.181	29.88	54.40	-24.52	CISPR Avg
0.181	43.25	64.40	-21.15	Q-Peak
0.197	20.27	53.70	-33.43	CISPR Avg
0.197	40.39	63.70	-23.31	Q-Peak
0.221	37.54	62.80	-25.26	Q-Peak
0.221	14.67	52.80	-38.13	CISPR Avg
0.238	36.22	62.20	-25.98	Q-Peak
0.238	12.86	52.20	-39.34	CISPR Avg

Table 21 - Neutral Line Emissions Results



AC Powered - 2.4 GHz WLAN

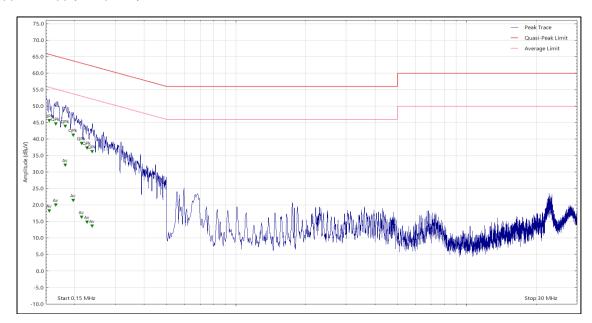


Figure 4 - Live Line - 150 kHz to 30 MHz

Frequency (MHz)	Level (dBµV)	Level (dBµV)	Margin (dB)	Detector
0.155	44.84	65.70	-20.86	Q-Peak
0.155	17.51	55.70	-38.19	CISPR Avg
0.166	43.91	65.20	-21.29	Q-Peak
0.166	19.35	55.20	-35.85	CISPR Avg
0.182	43.20	64.40	-21.20	Q-Peak
0.182	31.39	54.40	-23.01	CISPR Avg
0.197	20.70	53.70	-33.00	CISPR Avg
0.197	40.48	63.70	-23.22	Q-Peak
0.214	15.58	53.10	-37.52	CISPR Avg
0.214	38.02	63.10	-25.08	Q-Peak
0.226	36.63	62.60	-25.97	Q-Peak
0.226	14.12	52.60	-38.48	CISPR Avg
0.238	35.51	62.20	-26.69	Q-Peak
0.238	12.90	52.20	-39.30	CISPR Avg

Table 22 - Live Line Emissions Results



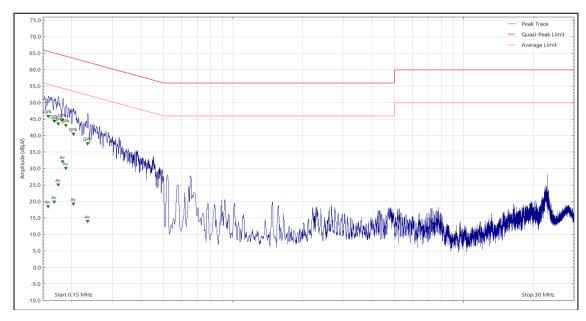


Figure 5 - Neutral Line - 150 kHz to 30 MHz

Frequency (MHz)	Level (dBµV)	Level (dBµV)	Margin (dB)	Detector
0.158	17.71	55.50	-37.79	CISPR Avg
0.158	45.08	65.50	-20.42	Q-Peak
0.168	19.13	55.00	-35.87	CISPR Avg
0.168	43.60	65.00	-21.40	Q-Peak
0.175	24.36	54.70	-30.34	CISPR Avg
0.175	42.77	64.70	-21.93	Q-Peak
0.183	31.34	54.30	-22.96	CISPR Avg
0.183	43.99	64.30	-20.31	Q-Peak
0.189	29.29	54.10	-24.81	CISPR Avg
0.189	42.30	64.10	-21.80	Q-Peak
0.204	18.49	53.50	-35.01	CISPR Avg
0.204	39.72	63.50	-23.78	Q-Peak
0.235	13.24	52.30	-39.06	CISPR Avg
0.235	36.80	62.30	-25.50	Q-Peak

Table 23 - Neutral Line Emissions Results



AC Powered - 5 GHz WLAN

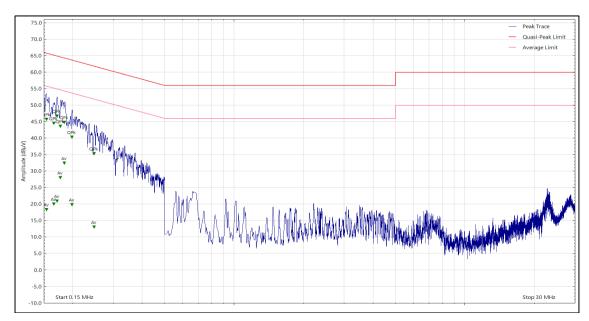


Figure 6 - Live Line - 150 kHz to 30 MHz

Frequency (MHz)	Level (dBµV)	Level (dBµV)	Margin (dB)	Detector
0.154	44.95	65.80	-20.85	Q-Peak
0.154	17.63	55.80	-38.17	CISPR Avg
0.166	43.76	65.20	-21.44	Q-Peak
0.166	19.27	55.20	-35.93	CISPR Avg
0.171	46.03	64.90	-18.87	Q-Peak
0.171	20.19	54.90	-34.71	CISPR Avg
0.177	27.30	54.60	-27.30	CISPR Avg
0.177	42.91	64.60	-21.69	Q-Peak
0.184	44.11	64.30	-20.19	Q-Peak
0.184	31.70	54.30	-22.60	CISPR Avg
0.199	19.14	53.70	-34.56	CISPR Avg
0.199	39.61	63.70	-24.09	Q-Peak
0.248	12.35	51.80	-39.45	CISPR Avg
0.248	34.59	61.80	-27.21	Q-Peak

Table 24 - Live Line Emissions Results



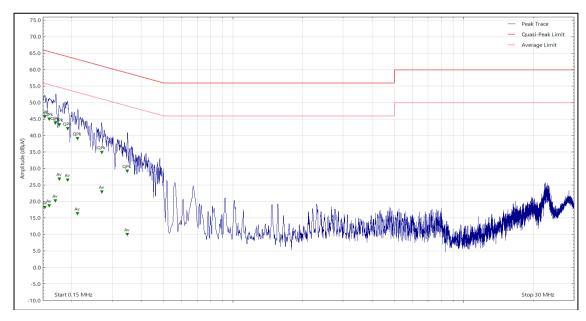


Figure 7 - Neutral Line - 150 kHz to 30 MHz

Frequency (MHz)	Level (dBµV)	Level (dBµV)	Margin (dB)	Detector
0.153	44.99	65.80	-20.81	Q-Peak
0.153	17.54	55.80	-38.26	CISPR Avg
0.160	44.25	65.50	-21.25	Q-Peak
0.160	18.05	55.50	-37.45	CISPR Avg
0.170	43.09	64.90	-21.81	Q-Peak
0.170	19.53	54.90	-35.37	CISPR Avg
0.177	26.09	54.60	-28.51	CISPR Avg
0.177	42.59	64.60	-22.01	Q-Peak
0.192	41.44	63.90	-22.46	Q-Peak
0.192	25.82	53.90	-28.08	CISPR Avg
0.212	38.41	63.10	-24.69	Q-Peak
0.212	15.67	53.10	-37.43	CISPR Avg
0.270	34.23	61.10	-26.87	Q-Peak
0.270	22.21	51.10	-28.89	CISPR Avg
0.348	28.53	59.00	-30.47	Q-Peak
0.348	9.33	49.00	-39.67	CISPR Avg

Table 25 - Neutral Line Emissions Results



AC Powered - 6 GHz WLAN

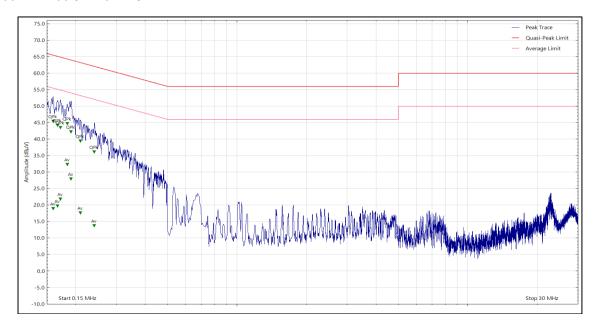


Figure 8 - Live Line - 150 kHz to 30 MHz

Frequency (MHz)	Level (dBµV)	Level (dBµV)	Margin (dB)	Detector
0.160	44.73	65.50	-20.77	Q-Peak
0.160	18.19	55.50	-37.31	CISPR Avg
0.167	43.51	65.10	-21.59	Q-Peak
0.167	19.04	55.10	-36.06	CISPR Avg
0.172	42.82	64.90	-22.08	Q-Peak
0.172	21.13	54.90	-33.77	CISPR Avg
0.184	31.58	54.30	-22.72	CISPR Avg
0.184	44.00	64.30	-20.30	Q-Peak
0.191	27.19	54.00	-26.81	CISPR Avg
0.191	41.53	64.00	-22.47	Q-Peak
0.210	16.90	53.20	-36.30	CISPR Avg
0.210	38.70	63.20	-24.50	Q-Peak
0.241	35.37	62.10	-26.73	Q-Peak
0.241	13.01	52.10	-39.09	CISPR Avg

Table 26 - Live Line Emissions Results



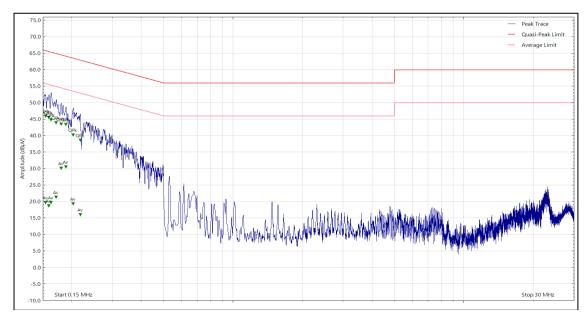


Figure 9 - Neutral Line - 150 kHz to 30 MHz

Frequency (MHz)	Level (dBµV)	Level (dBµV)	Margin (dB)	Detector
0.154	45.18	65.80	-20.62	Q-Peak
0.154	18.98	55.80	-36.82	CISPR Avg
0.159	18.06	55.50	-37.44	CISPR Avg
0.159	44.74	65.50	-20.76	Q-Peak
0.163	19.06	55.30	-36.24	CISPR Avg
0.163	44.13	65.30	-21.17	Q-Peak
0.171	20.62	54.90	-34.28	CISPR Avg
0.171	43.17	64.90	-21.73	Q-Peak
0.180	42.78	64.50	-21.72	Q-Peak
0.180	29.45	54.50	-25.05	CISPR Avg
0.189	42.68	64.10	-21.42	Q-Peak
0.189	29.85	54.10	-24.25	CISPR Avg
0.203	39.46	63.50	-24.04	Q-Peak
0.203	18.62	53.50	-34.88	CISPR Avg
0.218	37.94	62.90	-24.96	Q-Peak
0.218	15.33	52.90	-37.57	CISPR Avg

Table 27 - Neutral Line Emissions Results



AC Powered - Thread

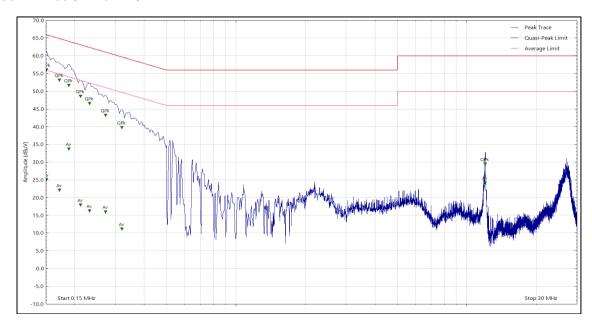


Figure 10 - Live Line - 150 kHz to 30 MHz

Frequency (MHz)	Level (dBµV)	Level (dBµV)	Margin (dB)	Detector
0.151	55.32	66.00	-10.68	Q-Peak
0.151	24.40	56.00	-31.60	CISPR Avg
0.172	52.46	64.90	-12.44	Q-Peak
0.172	21.49	54.90	-33.41	CISPR Avg
0.189	50.97	64.10	-13.13	Q-Peak
0.189	33.04	54.10	-21.06	CISPR Avg
0.212	17.30	53.10	-35.80	CISPR Avg
0.212	47.89	63.10	-15.21	Q-Peak
0.232	45.89	62.40	-16.51	Q-Peak
0.232	15.63	52.40	-36.77	CISPR Avg
0.272	15.30	51.10	-35.80	CISPR Avg
0.272	42.51	61.10	-18.59	Q-Peak
0.320	10.53	49.70	-39.17	CISPR Avg
0.320	39.08	59.70	-20.62	Q-Peak
12.016	28.83	60.00	-31.17	Q-Peak
12.016	23.52	50.00	-26.48	CISPR Avg

Table 28 - Live Line Emissions Results



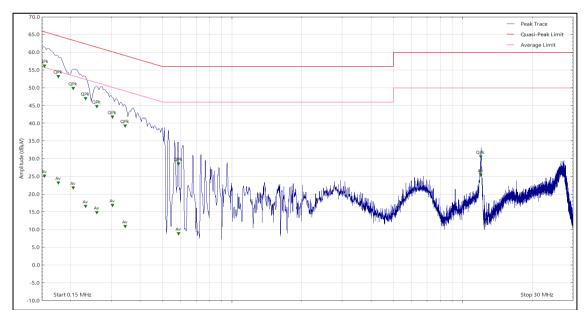


Figure 11 - Neutral Line - 150 kHz to 30 MHz

Frequency (MHz)	Level (dBµV)	Level (dBµV)	Margin (dB)	Detector
0.154	24.39	55.80	-31.41	CISPR Avg
0.154	55.45	65.80	-10.35	Q-Peak
0.177	22.44	54.60	-32.16	CISPR Avg
0.177	52.47	64.60	-12.13	Q-Peak
0.205	21.06	53.40	-32.34	CISPR Avg
0.205	49.17	63.40	-14.23	Q-Peak
0.232	15.92	52.40	-36.48	CISPR Avg
0.232	46.26	62.40	-16.14	Q-Peak
0.260	44.02	61.40	-17.38	Q-Peak
0.260	14.12	51.40	-37.28	CISPR Avg
0.304	16.20	50.10	-33.90	CISPR Avg
0.304	41.07	60.10	-19.03	Q-Peak
0.345	38.57	59.10	-20.53	Q-Peak
0.345	10.22	49.10	-38.88	CISPR Avg
0.586	27.88	56.00	-28.12	Q-Peak
0.586	8.21	46.00	-37.79	CISPR Avg
11.981	29.81	60.00	-30.19	Q-Peak
11.981	24.68	50.00	-25.32	CISPR Avg

Table 29 - Neutral Line Emissions Results



AC Powered - Narrowband

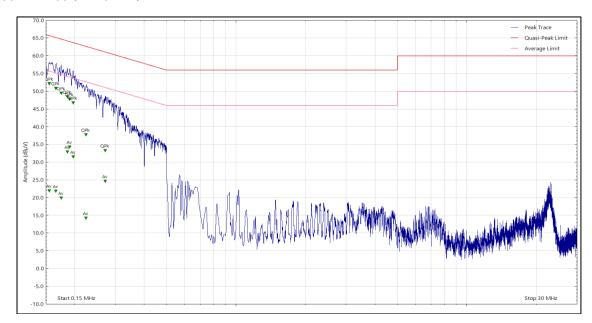


Figure 12 - Live Line - 150 kHz to 30 MHz

Frequency (MHz)	Level (dBµV)	Level (dBµV)	Margin (dB)	Detector
0.155	51.47	65.70	-14.23	Q-Peak
0.155	21.22	55.70	-34.48	CISPR Avg
0.166	21.14	55.20	-34.06	CISPR Avg
0.166	50.20	65.20	-15.00	Q-Peak
0.175	48.75	64.70	-15.95	Q-Peak
0.175	19.25	54.70	-35.45	CISPR Avg
0.186	47.71	64.20	-16.49	Q-Peak
0.186	32.22	54.20	-21.98	CISPR Avg
0.190	47.14	64.00	-16.86	Q-Peak
0.190	33.59	54.00	-20.41	CISPR Avg
0.197	46.05	63.70	-17.65	Q-Peak
0.197	30.84	53.70	-22.86	CISPR Avg
0.224	13.55	52.70	-39.15	CISPR Avg
0.224	37.08	62.70	-25.62	Q-Peak
0.271	32.59	61.10	-28.51	Q-Peak
0.271	23.92	51.10	-27.18	CISPR Avg

Table 30 - Live Line Emissions Results



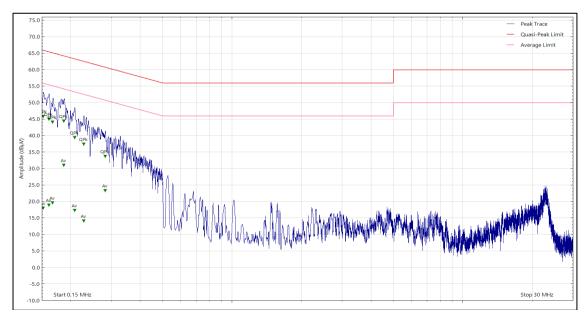


Figure 13 - Neutral Line - 150 kHz to 30 MHz

Frequency (MHz)	Level (dBµV)	Level (dBµV)	Margin (dB)	Detector
0.152	17.27	55.90	-38.63	CISPR Avg
0.152	45.08	65.90	-20.82	Q-Peak
0.161	44.29	65.40	-21.11	Q-Peak
0.161	18.21	55.40	-37.19	CISPR Avg
0.167	18.88	55.10	-36.22	CISPR Avg
0.167	43.42	65.10	-21.68	Q-Peak
0.187	30.27	54.20	-23.93	CISPR Avg
0.187	43.64	64.20	-20.56	Q-Peak
0.208	16.63	53.30	-36.67	CISPR Avg
0.208	38.70	63.30	-24.60	Q-Peak
0.228	13.47	52.50	-39.03	CISPR Avg
0.228	36.69	62.50	-25.81	Q-Peak
0.282	32.98	60.70	-27.72	Q-Peak
0.282	22.60	50.70	-28.10	CISPR Avg

Table 31 - Neutral Line Emissions Results



2.1.10 Test Location and Test Equipment Used

This test was carried out in EMC Chamber 12.

Instrument	Manufacturer	Type No	TE No	Calibration Period (months)	Calibration Expires
3m Semi-Anechoic Chamber	MVG	EMC Chamber 12	5621	36	07-Aug-2026
Emissions Software	TUV SUD	EmX V3.4.2	5125	-	Software
Test Receiver	Rohde & Schwarz	ESU40	3506	12	17-Apr-2025
Transient Limiter	Hewlett Packard	11947A	15	12	24-Oct-2024
Cable (N-Type to N-Type, 2 m)	Junkosha	MWX221- 02000AMSAMS/B	5729	6	02-Feb-2025
Cable (N-Type to N-Type, 8 m)	Junkosha	MWX221- 08000NMSNMS/B	6321	12	04-Feb-2025
LISN (CISPR 16, Single Phase)	Rohde & Schwarz	ESH3-Z5	1390	12	01-Feb-2025
Thermo-Hygro-Barometer	PCE Instruments	OCE-THB-40	5470	12	07-May-2025

Table 32



3 Test Equipment Information

3.1 General Test Equipment Used

Instrument	Manufacturer	Type No	TE No	Calibration Period (months)	Calibration Expires
Multimeter	Fluke	177	3813	12	15-Dec-2024
Antenna (DRG, 1 GHz to 18 GHz)	EMCO	3115	234	-	TU
Spectrum Analyser	Agilent Technologies	E7405A	1410	12	23-Nov-2024
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	4143	12	10-Sep-2024
Cable (10 Hz to 1 GHz N(m)-N(m), 2m)	Scott Cables	9918-NMNM-2000	4610	12	18-Apr-2025
5m Cable	Scott Cables	SCB800-A-NMNM- 05.00M	6709	6	18-Jan-2025

Table 33

TU - Traceability Unscheduled



4 Measurement Uncertainty

For a 95% confidence level, the measurement uncertainties for defined systems are:

Test Name	Measurement Uncertainty
AC Power Line Conducted Emissions	150 kHz to 30 MHz, LISN, ± 3.7 dB

Table 34

Measurement Uncertainty Decision Rule - Accuracy Method

Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115:2021, Clause 4.4.3 (Procedure 2). The measurement results are directly compared with the test limit to determine conformance with the requirements of the standard.

Risk: The uncertainty of measurement about the measured result is negligible with regard to the final pass/fail decision. The measurement result can be directly compared with the test limit to determine conformance with the requirement (compare IEC Guide 115). The level of risk to falsely accept and falsely reject items is further described in ILAC-G8.