

FCC and ISED Test Report

Apple Inc
Model: A3536



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

Prepared for: Apple Inc
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Cupertino
California
95014
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Document 75967126-12 Issue 02

SIGNATURE

A. Lawson

NAME	JOB TITLE	RESPONSIBLE FOR	ISSUE DATE
Andrew Lawson	Chief Engineer (EMC)	Authorised Signatory	22 June 2026

Signatures in this approval box have checked this document in line with the requirements of TUV SUD 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	Adam Holloway	22 June 2026	

FCC Accreditation

492497/UK2010 Octagon House, Fareham Test Laboratory

ISED Accreditation

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: 2024, Issue 4 (2025-07) 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	13 April 2026
2	Updated version of ISED spec	22 June 2026

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: 2024, Issue 4 (2025-07) and Issue 5 (2018-04) + A2 (2021-02)
Start of Test	13-March-2026
Finish of Test	27-March-2026
Name of Engineer(s)	Adam Holloway
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 ISSED RSS-247 and ISSED RSS-GEN is shown below.

Section	Specification Clause	Test Description	Result	Comments/Base Standard
Configuration and Mode: AC Powered - 2.4 GHz Bluetooth				
2.1	15.207, 2.4 and 8.8	AC Power Line Conducted Emissions	Pass	ANSI C63.10 (2020)

Table 2

Section	Specification Clause	Test Description	Result	Comments/Base Standard
Configuration and Mode: AC Powered - 2.4 GHz WLAN				
2.1	15.207, 2.4 and 8.8	AC Power Line Conducted Emissions	Pass	ANSI C63.10 (2020)

Table 3

Section	Specification Clause	Test Description	Result	Comments/Base Standard
Configuration and Mode: AC Powered - 5 GHz WLAN				
2.1	15.207, 2.4 and 8.8	AC Power Line Conducted Emissions	Pass	ANSI C63.10 (2020)

Table 4

Section	Specification Clause	Test Description	Result	Comments/Base Standard
Configuration and Mode: AC Powered - 6 GHz WLAN				
2.1	15.207, 2.4 and 8.8	AC Power Line Conducted Emissions	Pass	ANSI C63.10 (2020)

Table 5



Section	Specification Clause	Test Description	Result	Comments/Base Standard
Configuration and Mode: AC Powered - Narrowband				
2.1	15.207, 2.4 and 8.8	AC Power Line Conducted Emissions	Pass	ANSI C63.10 (2020)

Table 6



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	Type	Screened
Configuration and Mode: AC Powered – All Modes				
AC Power Port	2 m	Main Power	AC to DC Power Adapter with USB-C output.	No
USB Port 1	1.5 m	Power/Data	USB Type-C	Yes
USB Port 2	1.5 m	Power/Data	USB Type-C	Yes
USB Port 3	1.5 m	Power/Data	USB Type-C	Yes
Audio Jack Port	1 m	Analogue Audio Output	3.5 mm Jack	No
HDMI Port	1.5 m	Video Output	HDMI	Yes

Table 7

1.4.3 Test Configuration

Configuration	Description
AC Powered	The EUT was powered from a 115 V 60 Hz AC supply using an AC to DC adapter with USB-C output and MagSafe cable. PSU Model: A2743 • A mouse was used to terminate USB Port 1. • A keyboard was used to terminate USB Port 2. • USB Port 3 was unterminated. • A set of headphones were used to terminate the Audio Jack Port. • A monitor was used to terminate the HDMI port.

Table 8

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.
Narrowband	The EUT was powered with a connection established with a slave device.

Table 9



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.

Serial Number	Hardware Version	Software Version
KX7YX6MR76	REV1.0	26A289
D7HHQTJJKX	REV1.0	26A259

Table 10

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: A3536, Serial Number: KX7YX6MR76			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A3536, Serial Number: D7HHQTJJKX			
0	As supplied by the customer	Not Applicable	Not Applicable

Table 11



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	Adam Holloway	UKAS

Table 12

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

Table 13

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

Table 14

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

Table 15

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

Table 16

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, ISSED RSS-247 and ISSED RSS-GEN, Clause 15.207, 2.4 and 8.8

2.1.2 Equipment Under Test and Modification State

A3536, S/N: KX7YX6MR76 - Modification State 0
A3536, S/N: D7HHQTJJKX - Modification State 0

2.1.3 Date of Test

13-March-2026 to 27-March-2026

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 0.8 m above a reference ground plane. A vertical coupling plane was placed 0.4 m from the EUT boundary.

A Line Impedance Stabilisation Network (LISN) was directly bonded to the ground-plane. The EUT was located so that the distance between the boundary of the EUT and the closest surface of the LISN was 0.8 m.

Interconnecting cables that hanged closer than 0.4 m to the ground plane were folded back and forth in the centre forming a bundle 0.3 m to 0.4 m long.

Input and output cables were terminated with equipment or loads representative of real usage conditions.

The EUT was configured to give the highest level of emissions within reason of a typical installation as described by the manufacturer.

A Peak detector pre-scan of the EUT emissions profile was measured across the appropriate frequency range.

Where all pre-scan peak emissions measured were greater than 20 dB below the CISPR Average test limit, no final measurements were made in accordance with ANSI C63.4.

Where any pre-scan peak emissions were within 20 dB of the CISPR Average test limit, the six highest pre-scan emissions seen across the frequency range were measured for at least 15 seconds using a Peak, Quasi-Peak or CISPR Average detector as appropriate to the test limit being measured against.

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 μ V) = Receiver level (dB μ V) + Correction Factor (dB)
Margin (dB) = CISPR Average level (dB μ V) - Limit (dB μ V)

2.1.6 Example Test Setup Diagram

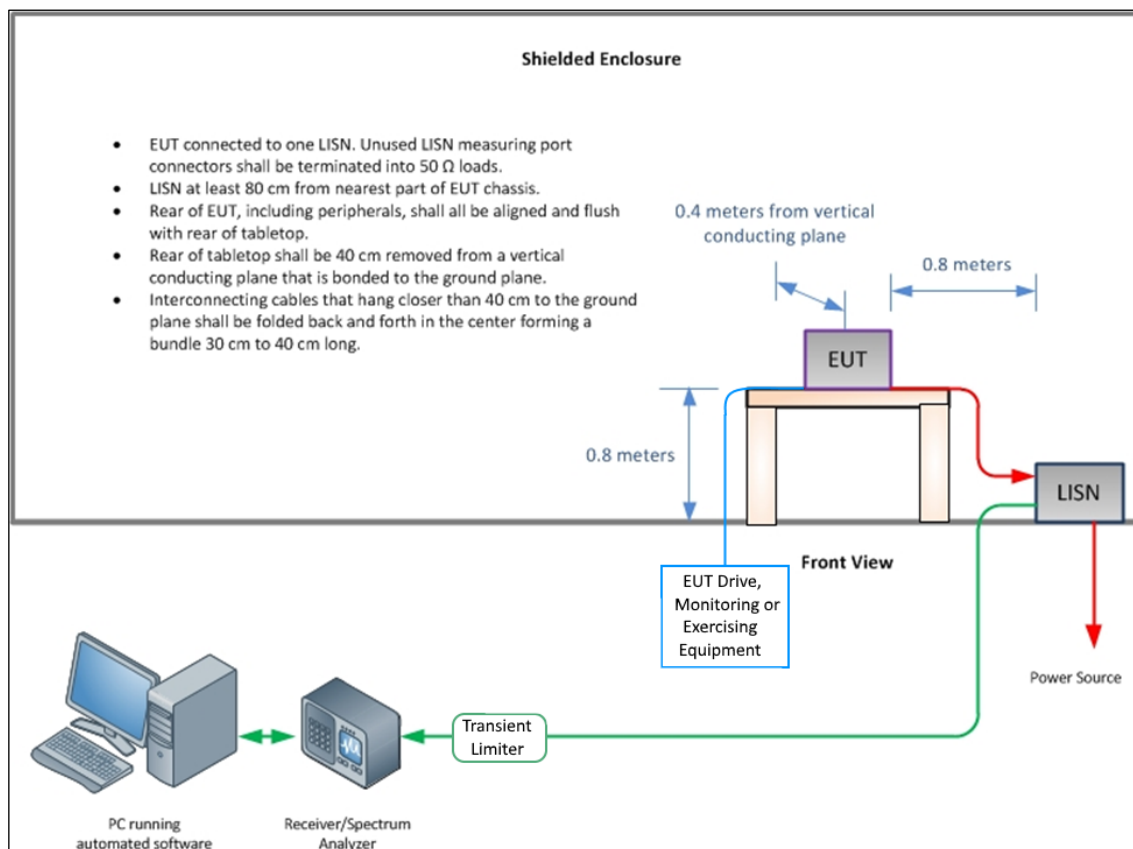


Figure 1 - Conducted Emissions Example Test Setup

2.1.7 Environmental Conditions

Ambient Temperature 23.5 - 24.2 °C
Relative Humidity 33.6 - 37.0 %

2.1.8 Specification Limits

Required Specification Limits			
Line Under Test	Frequency Range (MHz)	Quasi-Peak Test Limit (dB μ V)	CISPR Average Test Limit (dB μ V)
AC Power Port	0.15 to 0.5	66 to 56 ⁽¹⁾	56 to 46 ⁽¹⁾
	0.5 to 5	56	46
	5 to 30	60	50
Supplementary information: Note 1. Decreases with the logarithm of the frequency.			

Table 17

2.1.9 Test Results

Results for Configuration and Mode: AC Powered - 2.4 GHz Bluetooth.

Performance assessment of the EUT made during this test: Pass.

Detailed results are shown below.

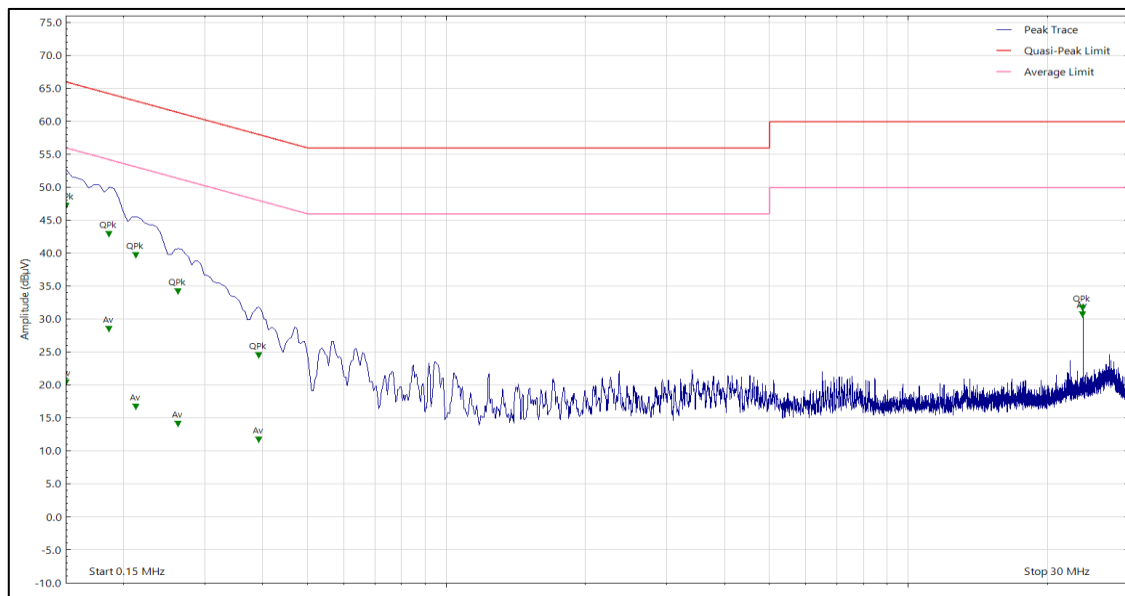


Figure 2 - Graphical Results - Live Line

Frequency (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
0.150	46.44	66.00	-19.56	Q-Peak
0.150	19.70	56.00	-36.30	CISPR Avg
0.186	42.15	64.20	-22.05	Q-Peak
0.186	27.80	54.20	-26.40	CISPR Avg
0.213	39.03	63.10	-24.07	Q-Peak
0.213	16.01	53.10	-37.09	CISPR Avg
0.263	33.47	61.30	-27.83	Q-Peak
0.263	13.43	51.30	-37.87	CISPR Avg
0.393	23.83	58.00	-34.17	Q-Peak
0.393	11.04	48.00	-36.96	CISPR Avg
23.860	31.04	60.00	-28.96	Q-Peak
23.860	30.04	50.00	-19.96	CISPR Avg

Table 18

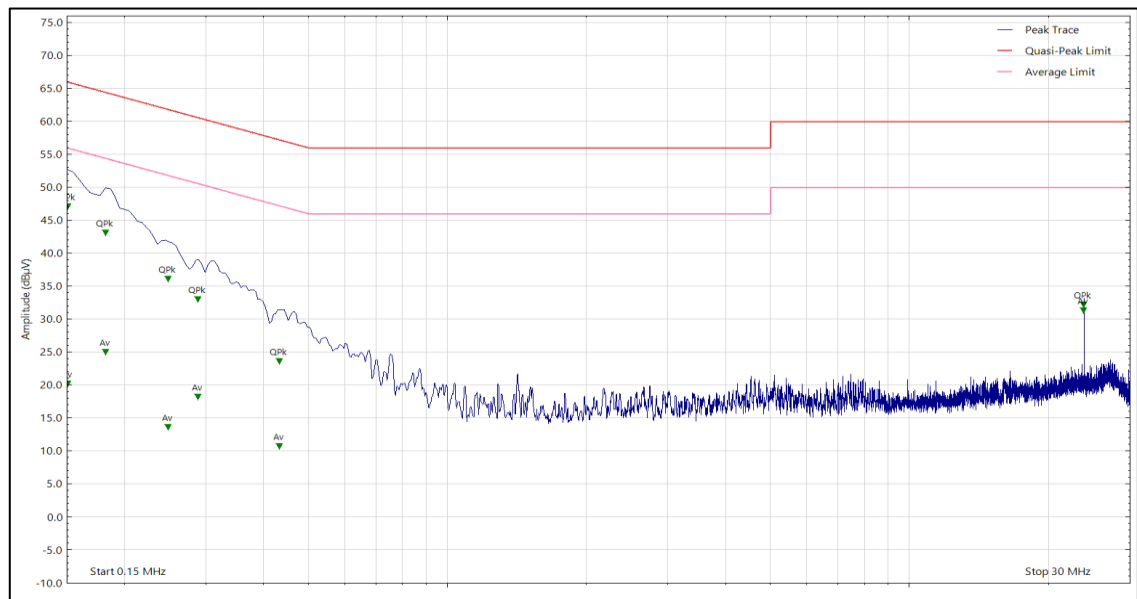


Figure 3 - Graphical Results - Neutral Line

Frequency (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
0.151	46.39	66.00	-19.61	Q-Peak
0.151	19.52	56.00	-36.48	CISPR Avg
0.182	42.35	64.40	-22.05	Q-Peak
0.182	24.30	54.40	-30.10	CISPR Avg
0.249	35.39	61.80	-26.41	Q-Peak
0.249	12.93	51.80	-38.87	CISPR Avg
0.289	32.32	60.50	-28.18	Q-Peak
0.289	17.47	50.50	-33.03	CISPR Avg
0.433	22.93	57.20	-34.27	Q-Peak
0.433	10.04	47.20	-37.16	CISPR Avg
23.860	31.53	60.00	-28.47	Q-Peak
23.860	30.64	50.00	-19.36	CISPR Avg

Table 19

Results for Configuration and Mode: AC Powered - 2.4 GHz WLAN.

Performance assessment of the EUT made during this test: Pass.

Detailed results are shown below.

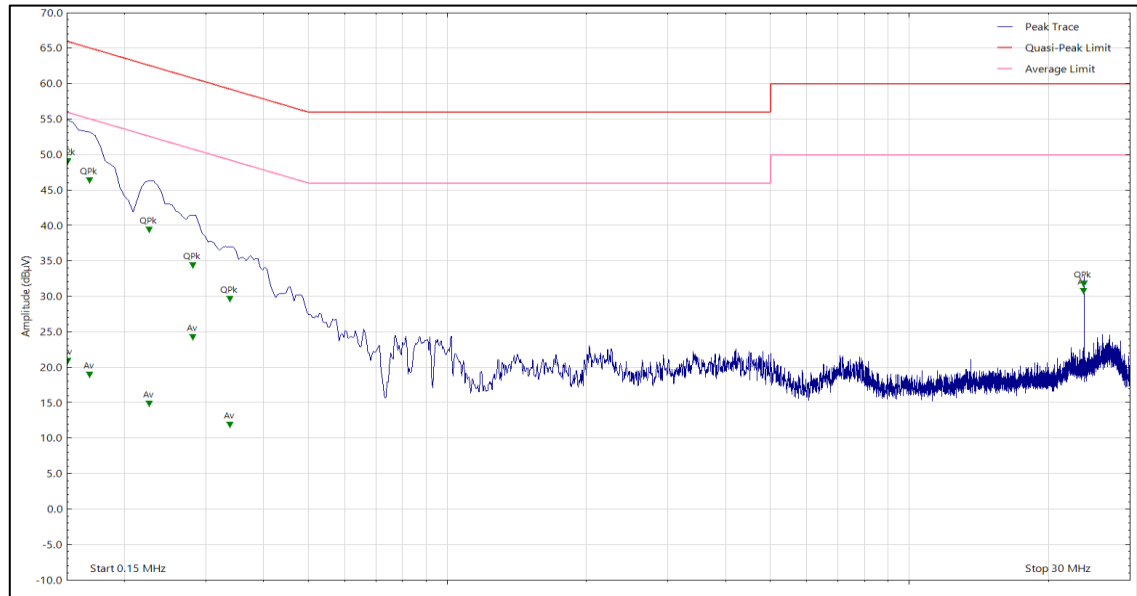


Figure 4 - Graphical Results - Live Line

Frequency (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
0.151	48.38	65.90	-17.52	Q-Peak
0.151	20.28	55.90	-35.62	CISPR Avg
0.168	45.71	65.10	-19.39	Q-Peak
0.168	18.33	55.10	-36.77	CISPR Avg
0.226	38.76	62.60	-23.84	Q-Peak
0.226	14.23	52.60	-38.37	CISPR Avg
0.281	33.76	60.80	-27.04	Q-Peak
0.281	23.63	50.80	-27.17	CISPR Avg
0.339	28.99	59.20	-30.21	Q-Peak
0.339	11.20	49.20	-38.00	CISPR Avg
23.860	31.07	60.00	-28.93	Q-Peak
23.860	30.09	50.00	-19.91	CISPR Avg

Table 20

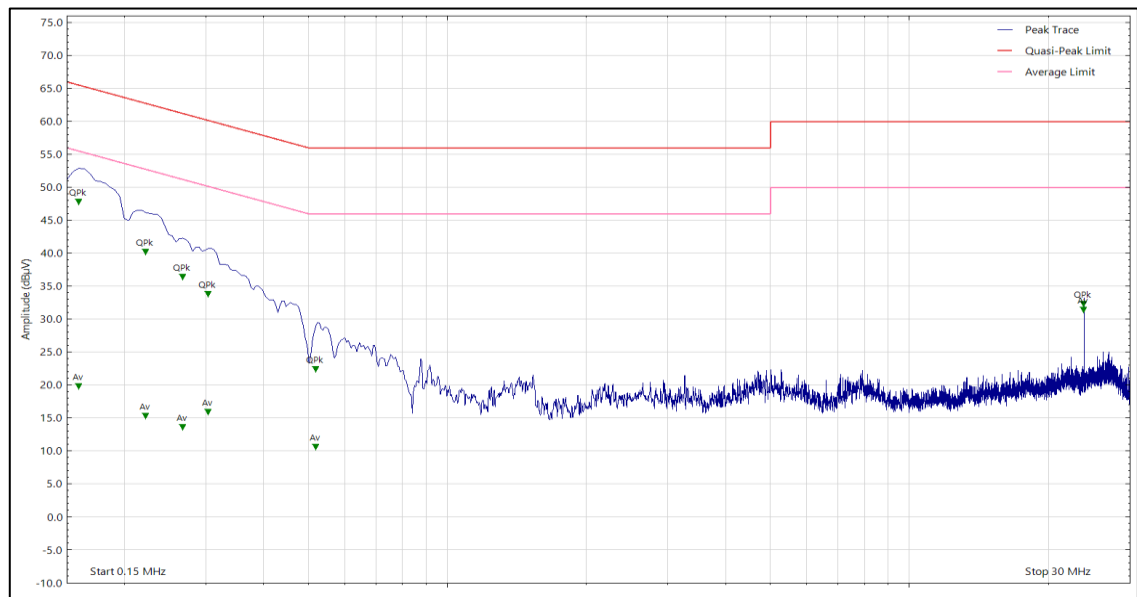


Figure 5 - Graphical Results - Neutral Line

Frequency (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
0.159	47.11	65.50	-18.39	Q-Peak
0.159	19.16	55.50	-36.34	CISPR Avg
0.222	39.48	62.70	-23.22	Q-Peak
0.222	14.58	52.70	-38.12	CISPR Avg
0.267	35.66	61.20	-25.54	Q-Peak
0.267	12.97	51.20	-38.23	CISPR Avg
0.303	33.12	60.10	-26.98	Q-Peak
0.303	15.18	50.10	-34.92	CISPR Avg
0.519	21.75	56.00	-34.25	Q-Peak
0.519	9.89	46.00	-36.11	CISPR Avg
23.860	31.59	60.00	-28.41	Q-Peak
23.860	30.66	50.00	-19.34	CISPR Avg

Table 21

Results for Configuration and Mode: AC Powered - 5 GHz WLAN.

Performance assessment of the EUT made during this test: Pass.

Detailed results are shown below.

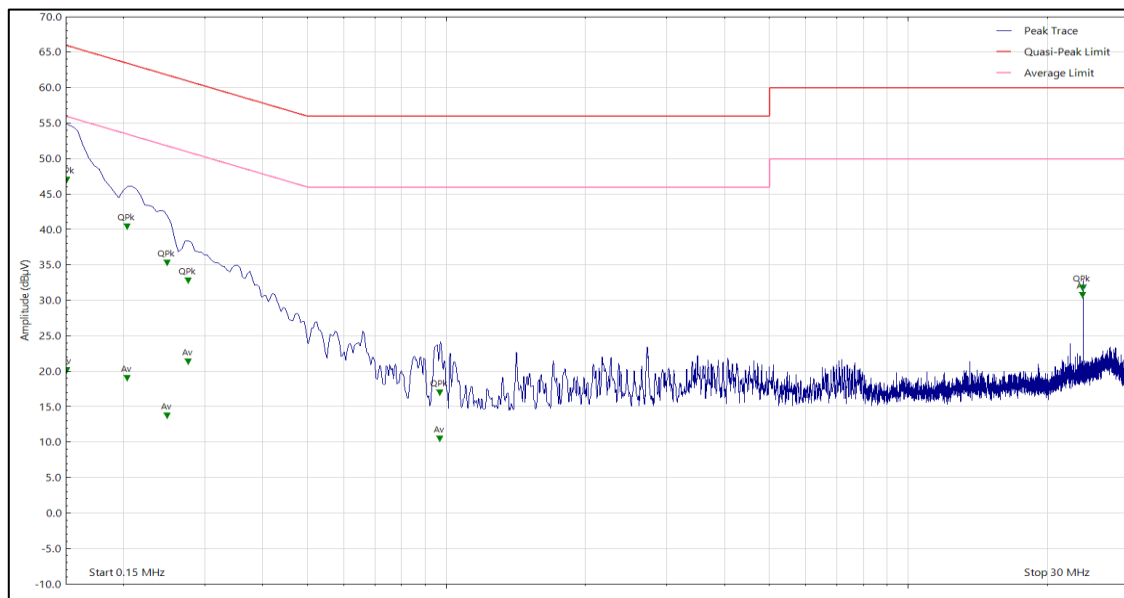


Figure 6 - Graphical Results - Live Line

Frequency (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
0.151	46.31	66.00	-19.69	Q-Peak
0.151	19.54	56.00	-36.46	CISPR Avg
0.204	39.77	63.40	-23.63	Q-Peak
0.204	18.35	53.40	-35.05	CISPR Avg
0.249	34.65	61.80	-27.15	Q-Peak
0.249	13.06	51.80	-38.74	CISPR Avg
0.276	32.17	60.90	-28.73	Q-Peak
0.276	20.75	50.90	-30.15	CISPR Avg
0.969	16.38	56.00	-39.62	Q-Peak
0.969	9.81	46.00	-36.19	CISPR Avg
23.860	31.09	60.00	-28.91	Q-Peak
23.860	30.08	50.00	-19.92	CISPR Avg

Table 22

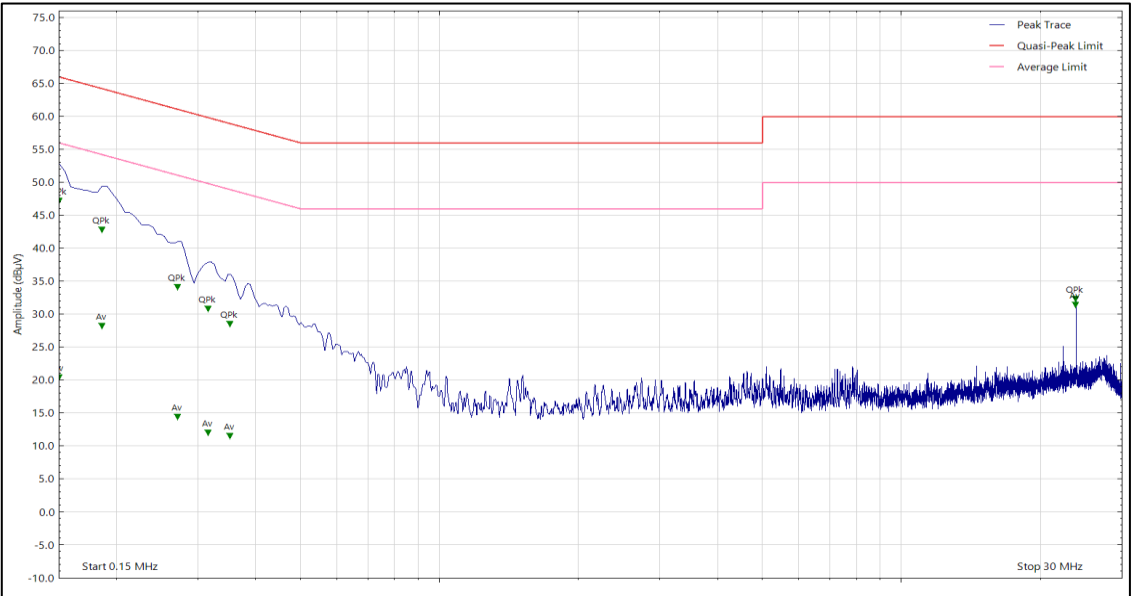


Figure 7 - Graphical Results - Neutral Line

Frequency (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
0.150	46.49	66.00	-19.51	Q-Peak
0.150	19.72	56.00	-36.28	CISPR Avg
0.186	42.11	64.20	-22.09	Q-Peak
0.186	27.51	54.20	-26.69	CISPR Avg
0.271	33.42	61.10	-27.68	Q-Peak
0.271	13.77	51.10	-37.33	CISPR Avg
0.316	30.07	59.80	-29.73	Q-Peak
0.316	11.31	49.80	-38.49	CISPR Avg
0.352	27.79	58.90	-31.11	Q-Peak
0.352	10.84	48.90	-38.06	CISPR Avg
23.860	31.58	60.00	-28.42	Q-Peak
23.860	30.66	50.00	-19.34	CISPR Avg

Table 23

Results for Configuration and Mode: AC Powered - 6 GHz WLAN.

Performance assessment of the EUT made during this test: Pass.

Detailed results are shown below.

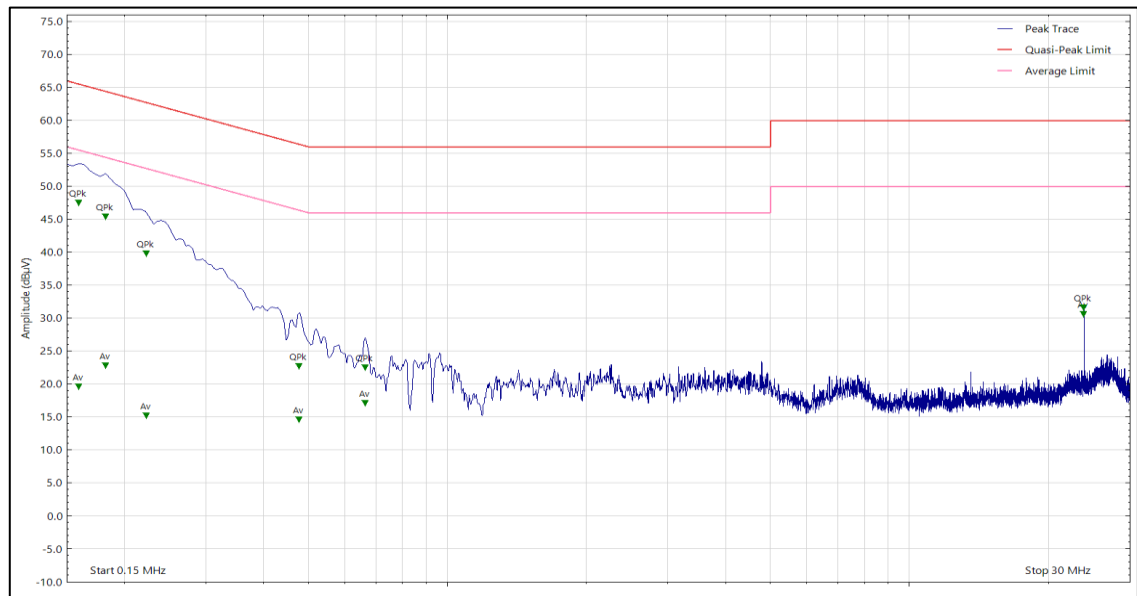


Figure 8 - Graphical Results - Live Line

Frequency (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
0.159	46.80	65.50	-18.70	Q-Peak
0.159	18.95	55.50	-36.55	CISPR Avg
0.182	44.69	64.40	-19.71	Q-Peak
0.182	22.08	54.40	-32.32	CISPR Avg
0.223	39.13	62.70	-23.57	Q-Peak
0.223	14.54	52.70	-38.16	CISPR Avg
0.478	22.03	56.40	-34.37	Q-Peak
0.478	13.90	46.40	-32.50	CISPR Avg
0.663	21.82	56.00	-34.18	Q-Peak
0.663	16.42	46.00	-29.58	CISPR Avg
23.860	30.94	60.00	-29.06	Q-Peak
23.860	29.95	50.00	-20.05	CISPR Avg

Table 24

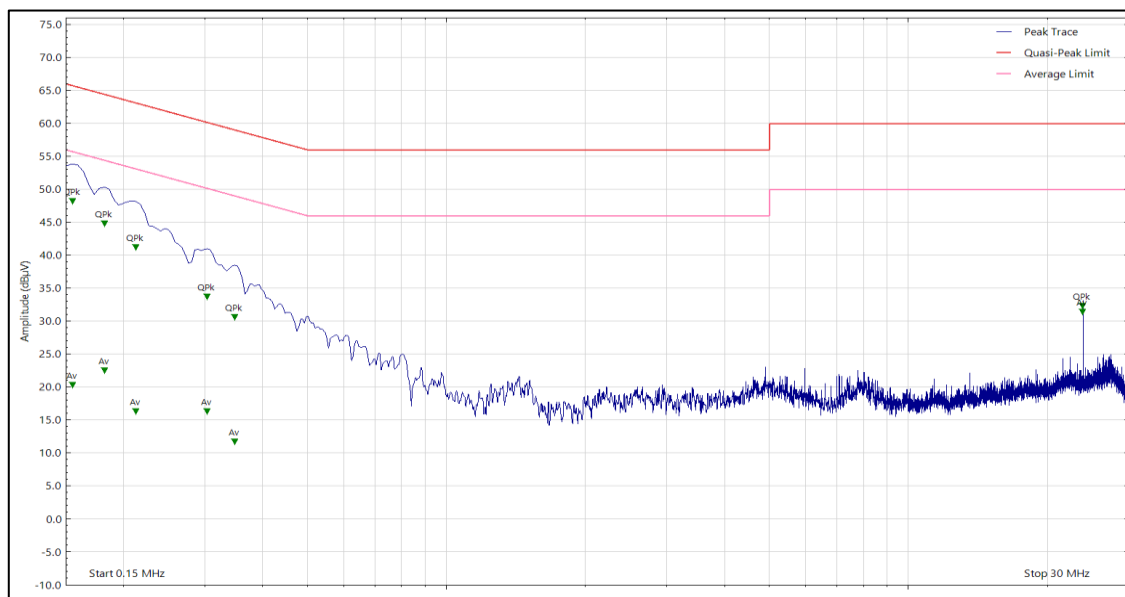


Figure 9 - Graphical Results - Neutral Line

Frequency (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
0.155	47.53	65.70	-18.17	Q-Peak
0.155	19.57	55.70	-36.13	CISPR Avg
0.182	44.09	64.40	-20.31	Q-Peak
0.182	21.80	54.40	-32.60	CISPR Avg
0.213	40.48	63.10	-22.62	Q-Peak
0.213	15.61	53.10	-37.49	CISPR Avg
0.303	33.04	60.20	-27.16	Q-Peak
0.303	15.67	50.20	-34.53	CISPR Avg
0.348	29.95	59.00	-29.05	Q-Peak
0.348	11.07	49.00	-37.93	CISPR Avg
23.860	31.56	60.00	-28.44	Q-Peak
23.860	30.66	50.00	-19.34	CISPR Avg

Table 25

Results for Configuration and Mode: AC Powered - Narrowband.

Performance assessment of the EUT made during this test: Pass.

Detailed results are shown below.

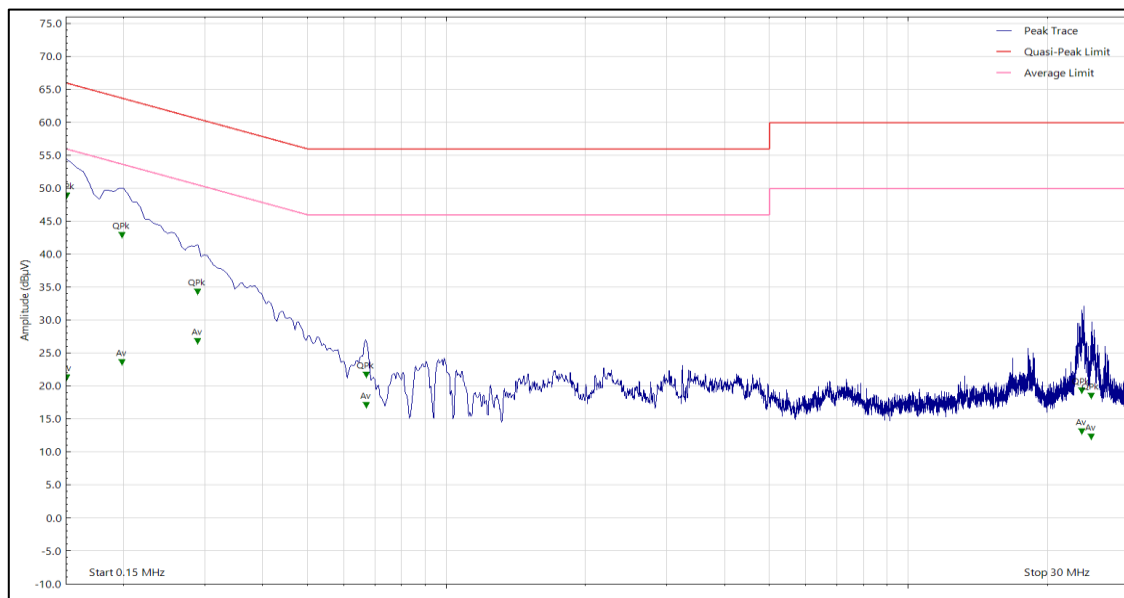


Figure 10 - Graphical Results - Live Line

Frequency (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
0.151	48.18	66.00	-17.82	Q-Peak
0.151	20.60	56.00	-35.40	CISPR Avg
0.199	42.22	63.60	-21.38	Q-Peak
0.199	22.95	53.60	-30.65	CISPR Avg
0.290	33.63	60.50	-26.87	Q-Peak
0.290	26.15	50.50	-24.35	CISPR Avg
0.672	21.06	56.00	-34.94	Q-Peak
0.672	16.39	46.00	-29.61	CISPR Avg
23.717	18.60	60.00	-41.40	Q-Peak
23.717	12.40	50.00	-37.60	CISPR Avg
24.882	17.79	60.00	-42.21	Q-Peak
24.882	11.60	50.00	-38.40	CISPR Avg

Table 26

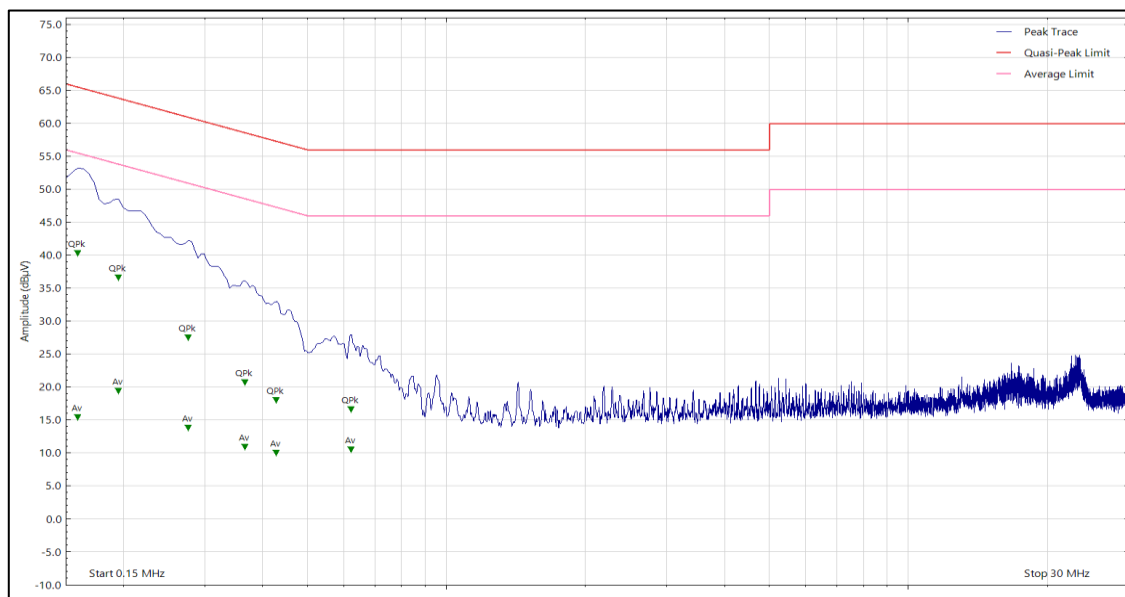


Figure 11 - Graphical Results - Neutral Line

Frequency (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
0.159	39.62	65.50	-25.88	Q-Peak
0.159	14.69	55.50	-40.81	CISPR Avg
0.195	35.89	63.80	-27.91	Q-Peak
0.195	18.67	53.80	-35.13	CISPR Avg
0.276	26.81	60.90	-34.09	Q-Peak
0.276	13.09	50.90	-37.81	CISPR Avg
0.366	20.05	58.60	-38.55	Q-Peak
0.366	10.26	48.60	-38.34	CISPR Avg
0.429	17.27	57.30	-40.03	Q-Peak
0.429	9.30	47.30	-38.00	CISPR Avg
0.622	15.91	56.00	-40.09	Q-Peak
0.622	9.80	46.00	-36.20	CISPR Avg

Table 27



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
Emissions Software	TUV SUD	EmX V3.6.1	5125	-	Software
Test Receiver	Rohde & Schwarz	ESW44	5382	12	09-Oct-2026
Transient Limiter	Hewlett Packard	11947A	15	12	06-Nov-2026
Cable Assembly - 18GHz 2m	Junkosha	MWX221-02000AMSAMS/B	5730	6	28-Apr-2026
Cable (N-Type to N-Type, 8 m)	Junkosha	MWX221-08000NMSNMS/B	7054	12	01-Jun-2026
LISN (CISPR 16, Single Phase)	Chase	MN 2050	336	12	11-Jul-2026
LISN (CISPR 16, Single Phase)	Rohde & Schwarz	ESH3-Z5	1390	12	05-Feb-2027
Thermo-Hygro-Barometer	PCE Instruments	PCE-THB-40	5471	12	14-May-2026

Table 28



3 Test Equipment Information

3.1 General Test Equipment Used

Instrument	Manufacturer	Type No	TE No	Calibration Period (months)	Calibration Expires
Handheld Digital Multimeter	Agilent Technologies	U1241A	3625	12	22-Jan-2027
Milliohm Meter	VICI	2682132	7012	12	21-May-2026
Thermo-Hygro-Barometer	PCE Instruments	PCE-THB-40	5471	12	14-May-2026

Table 29



4 Incident Reports

No incidents reports were raised.



5 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 ± 3.3 dB

Table 30

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.