

Prüfbericht-Nr.: <i>Test report no.:</i>	CN26FZXU 001	Auftrags-Nr.: <i>Order no.:</i>	326147396	Seite 1 von 27 <i>Page 1 of 27</i>
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	1288983	Auftragsdatum: <i>Order date:</i>	2026-03-17	
Auftraggeber: <i>Client:</i>	IKEA of Sweden AB Box 702, SE-343 81 Älmhult, Sweden			
Prüfgegenstand: <i>Test item:</i>	Motorized Recliner			
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	R26P01-a			
Auftrags-Inhalt: <i>Order content:</i>	TÜV Rheinland EMC service			
Prüfgrundlage: <i>Test specification:</i>	FCC 47 CFR Part 15, Subpart B:2025 Class B ICES-003:2020			
Wareneingangsdatum: <i>Date of sample receipt:</i>	2026-03-17	Refer to the EUT photos file		
Prüfmuster-Nr.: <i>Test sample no.:</i>	A004224757-018			
Prüfzeitraum: <i>Testing period:</i>	2026-04-15			
Ort der Prüfung: <i>Place of testing:</i>	Refer to clause 1.1			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shanghai) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von: <i>tested by:</i>	genehmigt von: <i>authorized by:</i>			
Datum: <i>Date:</i>	Ausstellungsdatum: <i>Issue date:</i>			
Stellung / Position:	Stellung / Position:			
Sonstiges / Other:	FCC ID: FHO-R26P01-A Test Firm Name: TUV Rheinland (Shanghai) Co., Ltd. Designation Number: CN1396 Test Firm Registration Number: 930979			
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>		
* Legende: P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet * Legend: P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested				
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

Prüfbericht-Nr.: CN26FZXU 001
Test report no.:

Seite 2 von 27
Page 2 of 27

Anmerkungen
Remarks

- | | |
|----------|--|
| 1 | <p>Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben.
Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden.</p> <p><i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i></p> |
| 2 | <p>Wie vertraglich vereinbart, wurde dieses Dokument nur digital unterzeichnet. Der TÜV Rheinland hat nicht überprüft, welche rechtlichen oder sonstigen diesbezüglichen Anforderungen für dieses Dokument gelten. Diese Überprüfung liegt in der Verantwortung des Benutzers dieses Dokuments. Auf Verlangen des Kunden kann der TÜV Rheinland die Gültigkeit der digitalen Signatur durch ein gesondertes Dokument bestätigen. Diese Anfrage ist an unseren Vertrieb zu richten. Eine Umweltgebühr für einen solchen zusätzlichen Service wird erhoben. Informationen zur Verifizierung der Authentizität unserer Dokumente erhalten Sie auf folgender Webseite: go.tuv.com/digital-signature</p> <p><i>As contractually agreed, this document has been signed digitally only. TUV Rheinland has not verified and unable to verify which legal or other pertaining requirements are applicable for this document. Such verification is within the responsibility of the user of this document. Upon request by its client, TUV Rheinland can confirm the validity of the digital signature by a separate document. Such request shall be addressed to our Sales department. An environmental fee for such additional service will be charged. For information on verifying the authenticity of our documents, please visit the following website: go.tuv.com/digital-signature</i></p> |
| 3 | <p>Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben.
Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt.</p> <p><i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report.</i>
<i>Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i></p> |
| 4 | <p>Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2023, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019.</p> <p><i>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2023, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</i></p> |

Prüfbericht - Nr.: CN26FZXU 001

Test Report No.:

Seite 3 von 27

Page 3 of 27

Revision history of test report:

Report number	Issue date	Contents and reason for change if appropriate
CN26FZXU 001	2026-10-19	Initial release.

Contents

1	TEST SITES	5
1.1	TEST FACILITIES	5
2	GENERAL PRODUCT INFORMATION	6
2.1	MANUFACTURER INFORMATION	6
2.2	PRODUCT FUNCTION AND INTENDED USE	6
2.3	RATINGS AND SYSTEM DETAILS	6
2.4	INDEPENDENT OPERATION MODES	6
2.5	DESCRIPTION OF INTERCONNECTING CABLES	6
2.6	NOISE GENERATING AND NOISE SUPPRESSING PARTS	6
2.7	HIGHEST FREQUENCY GENERATED OR USED IN THE DEVICE OR ON WHICH THE DEVICE OPERATES OR TUNES	7
2.8	SUBMITTED DOCUMENTS	7
3	TEST SET-UP AND OPERATION MODES	8
3.1	PRINCIPLE OF CONFIGURATION SELECTION	8
3.2	EQUIPMENT AND CABLE ARRANGEMENT	8
3.3	TEST SOFTWARE	9
3.4	SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT	9
3.5	COUNTERMEASURES TO ACHIEVE EMC COMPLIANCE	9
4	CONFORMITY DECISION RULE	10
5	TEST RESULTS EMISSION	11
5.1	EMISSION IN THE FREQUENCY RANGE UP TO 30 MHz	11
5.1.1	Conducted emission	11
5.2	EMISSION IN THE FREQUENCY RANGE ABOVE 30 MHz	21
5.2.1	Radiated emission (30-1000 MHz)	21
6	PHOTOGRAPHS OF THE TEST SET-UP	25
7	LIST OF TEST AND MEASUREMENT INSTRUMENTS	26
8	LIST OF FIGURES	27

1 Test Sites

1.1 Test Facilities

Laboratory: TÜV Rheinland (Shanghai) Co., Ltd.

Address: Workshop14, North Half of Workshop 10 and Workshop 16, Pingqian (Taicang)
Modern Industrial Park, No.525, Yuewang Lingang South Road, Shaxi, Taicang, Jiangsu,
China

The used test equipment is in accordance with CISPR 16-1 series standards for measurement of radio interference.

Refer to Clause 7 for test and measurement instruments.

2 General Product Information

2.1 Manufacturer Information

Manufacturer: IKEA of Sweden AB
Address: Box 702, SE-343 81 Älmhult, Sweden

2.2 Product Function and Intended Use

The EUT (equipment under test) is an ordinary motorized recliner. For further information, refer to the user's manual.

2.3 Ratings and System Details

Rated input voltage	:	AC 100-240 V
Rated frequency	:	50/60 Hz
Rated current	:	1.5 A
Max load per Recliner	:	160 kg / 352 lbs
Protection class	:	II

All EMC tests were performed on a 4-seat sample with following configuration:
Two electrical seats on both sides, two non-electrical seats in the middle.
Two electrical seats are powered separately.
The color of sofa cover is axvall beige/white.
For details, refer to each test setup photo.

2.4 Independent Operation Modes

The basic operation modes are:

Model1: expand

Mode 2: collapse

Mode 3: standby

Mode 4: off

Note: the EUT has two independent identical power supplies respectively for left side seat and right side seat (from back view), conducted emission were performed on both sides, radiated emission test was performed while both sides working together continuously at mode 1 & mode 2.

2.5 Description of interconnecting cables

None.

2.6 Noise Generating and Noise Suppressing Parts

Refer to the circuit diagram for further information.

Prüfbericht - Nr.: CN26FZXU 001

Test Report No.:

Seite 7 von 27

Page 7 of 27

2.7 Highest frequency generated or used in the device or on which the device operates or tunes

The highest RF frequency used in the EUT is 16 MHz.

2.8 Submitted Documents

Circuit diagram, user's manual and rating label.

3 Test Set-up and Operation Modes

3.1 Principle of Configuration Selection

Emission: The equipment under test (EUT) was configured to measure its highest possible emission level. The test conditions were adapted accordingly in reference to the instructions for use.

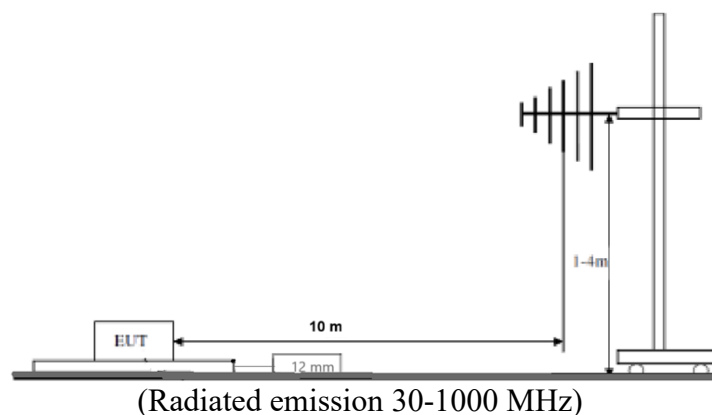
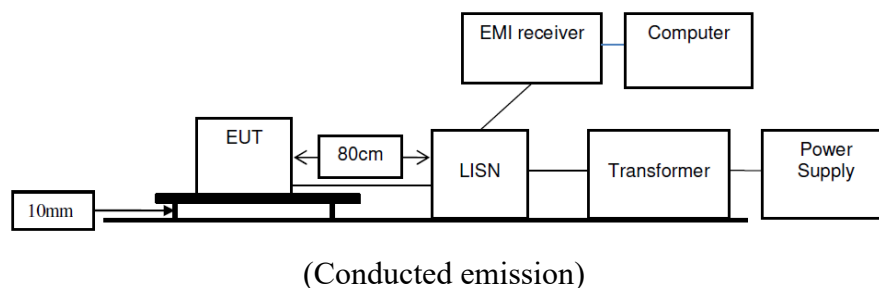
Refer to the related paragraph of this report.

The sequence of testing:

1. Conducted emission tests were performed on 2026-04-15.
2. Radiated emission tests were performed on 2026-04-15.

3.2 Equipment and cable arrangement

Block diagram for both conducted emission and radiated emission tests is as follows:



Also refer to photographs on clause 6 for test setups for both conducted emission test and radiated emission tests.

3.3 Test Software

N/A.

3.4 Special Accessories and Auxiliary Equipment

Use sand bags as working load:
the rated load (160 kg) is distributed over the three separate chair surface areas as follows:
35 % on the back-rest part, 55 % on the seating surface part and 10 % on the leg rest part.

3.5 Countermeasures to achieve EMC Compliance

No other special measure was employed to achieve the requirement.

4 Conformity Decision Rule

For all EMI tests included in this report, as measurement uncertainties are less than the values U_{CISPR} given in CISPR 16-4-2, compliance with the limits is determined by comparing measurement results directly with corresponding limits without taking into consideration of measurement uncertainties.

5 Test Results EMISSION

5.1 Emission in the Frequency Range up to 30 MHz

5.1.1 Conducted emission

Result:		Passed
Date of testing	: 2026-04-15	
Test procedure	: FCC 47 CFR Part 15, Subpart B:2025, ICES-003:2020, ANSI C63.4-2014 and CISPR 16-2-1	
Frequency range	: 0.15 – 30 MHz	
Limits	: Quasi-peak limit: 0.15 – 0.5 MHz, 66 to 56 dB μ V (decrease with the logarithm of frequency); 0.5 – 5 MHz, 56 dB μ V; 5 – 30 MHz, 60 dB μ V Average limit: 0.15 – 0.5 MHz, 56 to 46 dB μ V (decrease with the logarithm of frequency); 0.5 – 5 MHz, 46 dB μ V; 5 – 30 MHz, 50 dB μ V	
Bandwidth of EMI receiver for final measurement	: 9 kHz	
Measurement time for final measurement	: 1 s	
Kind of test site	: Shielded room	
Input voltage	: AC 120 V, 60 Hz	
Operational mode	: Mode 1 with load as described in clause 3.4 Mode 2 with load as described in clause 3.4	
Ambient condition	: Temperature: 23.5 °C; Relative humidity: 51.1 %	
Expanded measurement uncertainty ($k=2$)	: 2.33 dB The minimum margin to the limit is 8.18 dB at 0.161250 MHz. The margin is higher than expanded measurement uncertainty.	
Test setup photo	: Section 6 of this test report	

The measurement setup was made according to ANSI C63.4-2014 in a shielded room. The measurement equipment like test receivers, quasi-peak detector and artificial mains network (AMN) are in compliance with CISPR 16-1 series standards.

The tested object was set-up on a wooden support. The EUT was set 0.8 m away from the AMN. The cord longer than necessary to be connected to the AMN was folded forth and back parallel so as to form a bundle with a length between 0.3 m and 0.4 m.

The disturbance voltage test was performed on the neutral line and phase line of the power supply of the EUT respectively.

The following figures and tables were those measured by an automatic measuring system. Both quasi-peak and average measurements were performed. In the following spectral diagram, red "✱" means Quasi-Peak Value and blue "✱" means Average Value results.

Prüfbericht - Nr.: CN26FZXU 001

Test Report No.:

Seite 12 von 27

Page 12 of 27

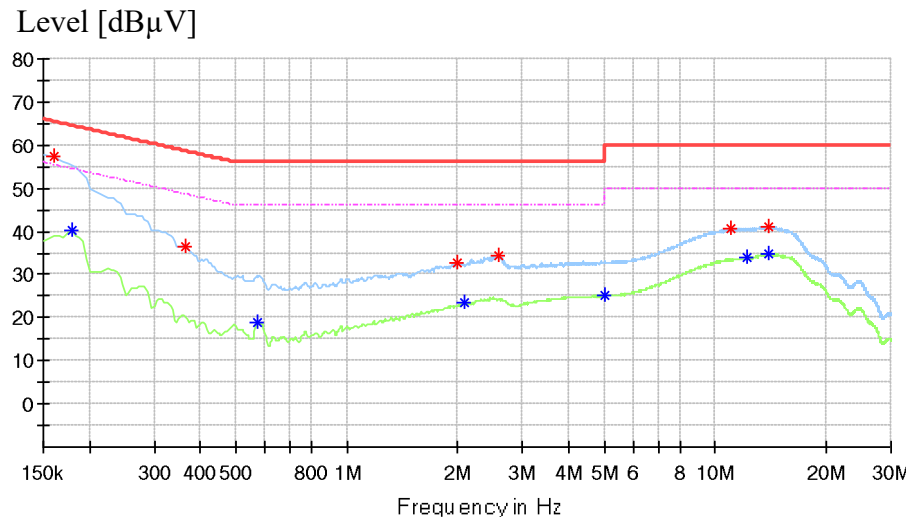
Notes on following tables of conducted emission results and conversions:

Level (dB μ V): final measurement results by using quasi-peak detector and average detector

Transd (dB): transducer factor including cable loss, insertion loss of artificial mains network and gain of pre-amplifier (if used)

Margin: Limit (dB μ V) - Level (dB μ V)

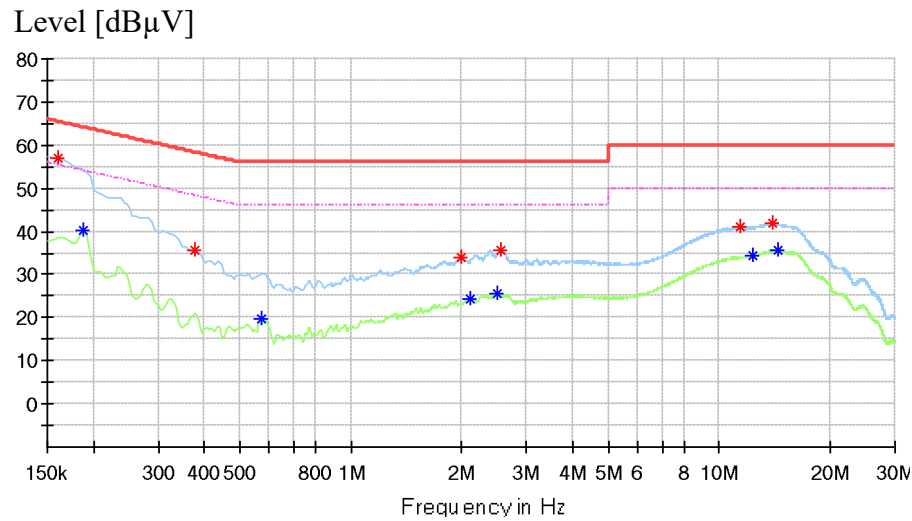
Figure 1: Spectral Diagrams, Conducted Emission, 150 kHz – 30 MHz, left side, mode 1, L line



Final measurement result:

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.161250	57.22	---	65.40	8.18	L1	10.4
0.179250	---	40.26	54.52	14.26	L1	10.4
0.363750	36.63	---	58.64	22.01	L1	10.4
0.575250	---	18.91	46.00	27.09	L1	10.4
1.992750	32.83	---	56.00	23.17	L1	10.4
2.078250	---	23.35	46.00	22.65	L1	10.4
2.586750	34.39	---	56.00	21.61	L1	10.4
4.989750	---	25.10	46.00	20.90	L1	10.4
11.051250	40.56	---	60.00	19.44	L1	10.9
12.230250	---	33.80	50.00	16.20	L1	10.9
13.989750	41.20	---	60.00	18.80	L1	10.9
13.989750	---	34.84	50.00	15.16	L1	10.9

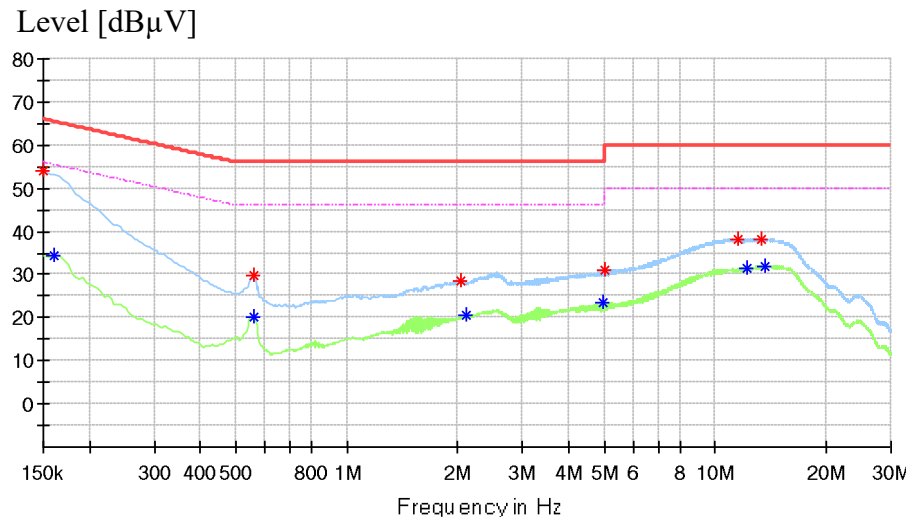
Figure 2: Spectral Diagrams, Conducted Emission, 150 kHz – 30 MHz, left side, mode 1, N line



Final measurement result:

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.161250	57.01	---	65.40	8.39	N	10.3
0.188250	---	40.06	54.11	14.05	N	10.3
0.377250	35.55	---	58.34	22.79	N	10.3
0.575250	---	19.73	46.00	26.27	N	10.3
2.001750	33.83	---	56.00	22.17	N	10.4
2.114250	---	24.39	46.00	21.61	N	10.4
2.501250	---	25.73	46.00	20.27	N	10.4
2.555250	35.74	---	56.00	20.26	N	10.4
11.420250	40.98	---	60.00	19.02	N	10.8
12.387750	---	34.31	50.00	15.69	N	10.9
13.949250	41.84	---	60.00	18.16	N	10.9
14.385750	---	35.57	50.00	14.43	N	10.9

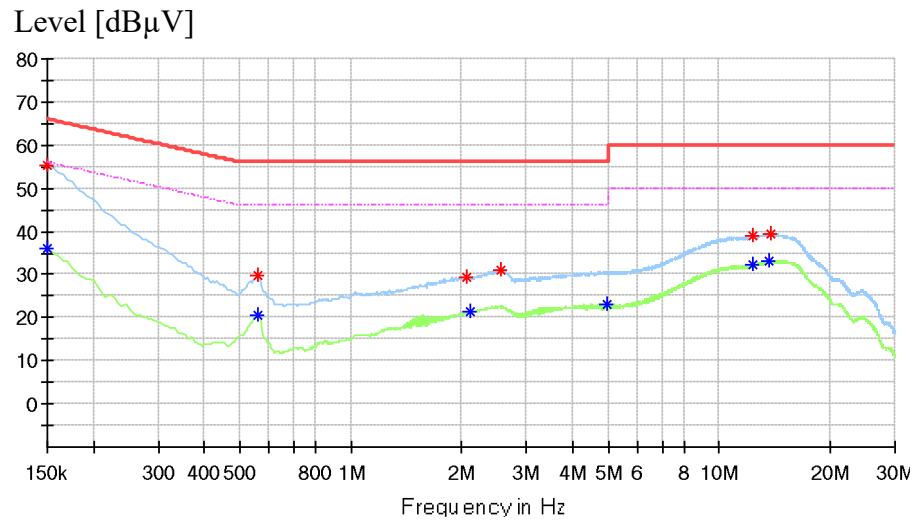
Figure 3: Spectral Diagrams, Conducted Emission, 150 kHz – 30 MHz, left side, mode 2, L line



Final measurement result:

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.150000	53.97	---	66.00	12.03	L1	10.4
0.161250	---	34.56	55.40	20.84	L1	10.4
0.557250	29.63	---	56.00	26.37	L1	10.4
0.557250	---	20.32	46.00	25.68	L1	10.4
2.046750	28.47	---	56.00	27.53	L1	10.4
2.118750	---	20.39	46.00	25.61	L1	10.4
4.962750	---	23.48	46.00	22.52	L1	10.4
4.989750	30.90	---	56.00	25.10	L1	10.4
11.505750	38.06	---	60.00	21.94	L1	10.9
12.140250	---	31.33	50.00	18.67	L1	10.9
13.368750	38.33	---	60.00	21.67	L1	10.9
13.607250	---	32.06	50.00	17.94	L1	10.9

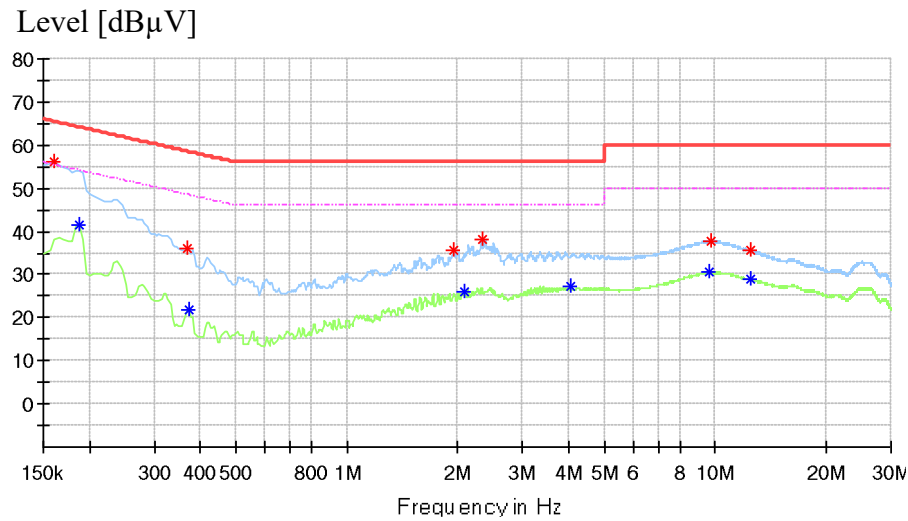
Figure 4: Spectral Diagrams, Conducted Emission, 150 kHz – 30 MHz, left side, mode 2, N line



Final measurement result:

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.150000	55.34	---	66.00	10.66	N	10.3
0.150000	---	35.87	56.00	20.13	N	10.3
0.557250	29.78	---	56.00	26.22	N	10.3
0.557250	---	20.56	46.00	25.44	N	10.3
2.069250	29.38	---	56.00	26.62	N	10.4
2.118750	---	21.36	46.00	24.64	N	10.4
2.555250	31.12	---	56.00	24.88	N	10.4
4.985250	---	23.13	46.00	22.87	N	10.4
12.324750	---	32.17	50.00	17.83	N	10.9
12.351750	38.83	---	60.00	21.17	N	10.9
13.620750	---	33.15	50.00	16.85	N	10.9
13.818750	39.50	---	60.00	20.50	N	10.9

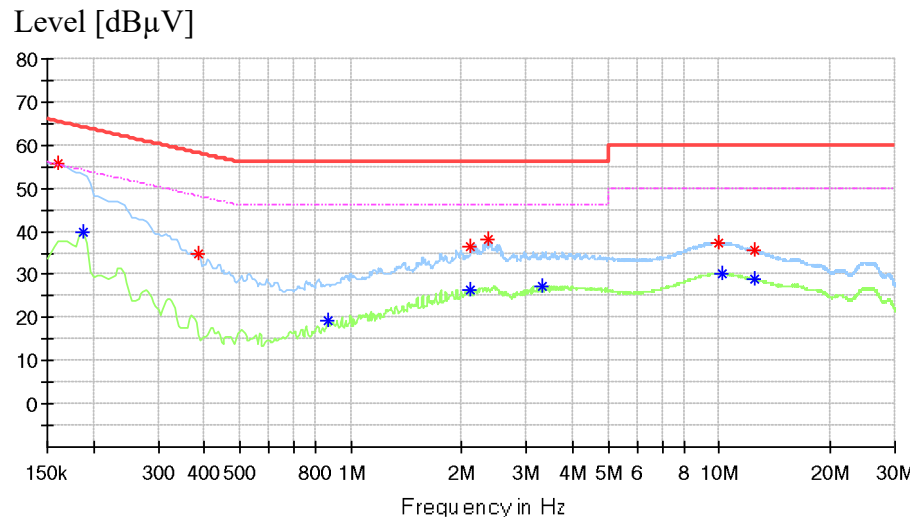
Figure 5: Spectral Diagrams, Conducted Emission, 150 kHz – 30 MHz, right side, mode 1, L line



Final measurement result:

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.161250	56.06	---	65.40	9.34	L1	10.4
0.188250	---	41.32	54.11	12.80	L1	10.4
0.368250	36.02	---	58.54	22.52	L1	10.4
0.372750	---	21.88	48.44	26.56	L1	10.4
1.952250	35.64	---	56.00	20.36	L1	10.4
2.082750	---	25.99	46.00	20.01	L1	10.4
2.321250	38.19	---	56.00	17.81	L1	10.4
4.040250	---	27.10	46.00	18.90	L1	10.4
9.647250	---	30.52	50.00	19.48	L1	10.8
9.786750	37.74	---	60.00	22.26	L1	10.8
12.414750	35.67	---	60.00	24.33	L1	10.9
12.428250	---	28.89	50.00	21.11	L1	10.9

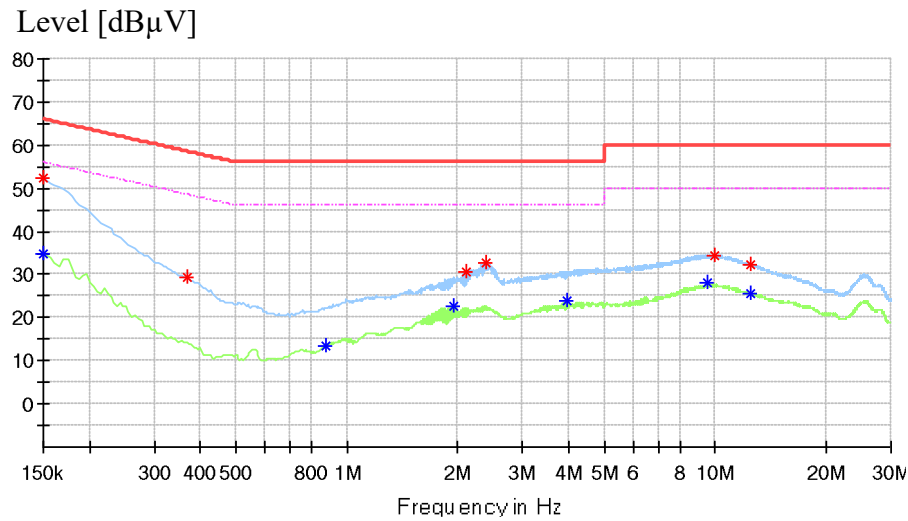
Figure 6: Spectral Diagrams, Conducted Emission, 150 kHz – 30 MHz, right side, mode 1, N line



Final measurement result:

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.161250	55.86	---	65.40	9.54	N	10.3
0.188250	---	39.70	54.11	14.41	N	10.3
0.386250	34.89	---	58.14	23.25	N	10.3
0.867750	---	19.29	46.00	26.71	N	10.3
2.118750	36.46	---	56.00	19.54	N	10.4
2.118750	---	26.61	46.00	19.39	N	10.4
2.352750	38.22	---	56.00	17.78	N	10.4
3.324750	---	27.45	46.00	18.55	N	10.4
9.944250	37.47	---	60.00	22.53	N	10.8
10.142250	---	30.37	50.00	19.63	N	10.8
12.419250	---	28.92	50.00	21.08	N	10.9
12.468750	35.59	---	60.00	24.41	N	10.9

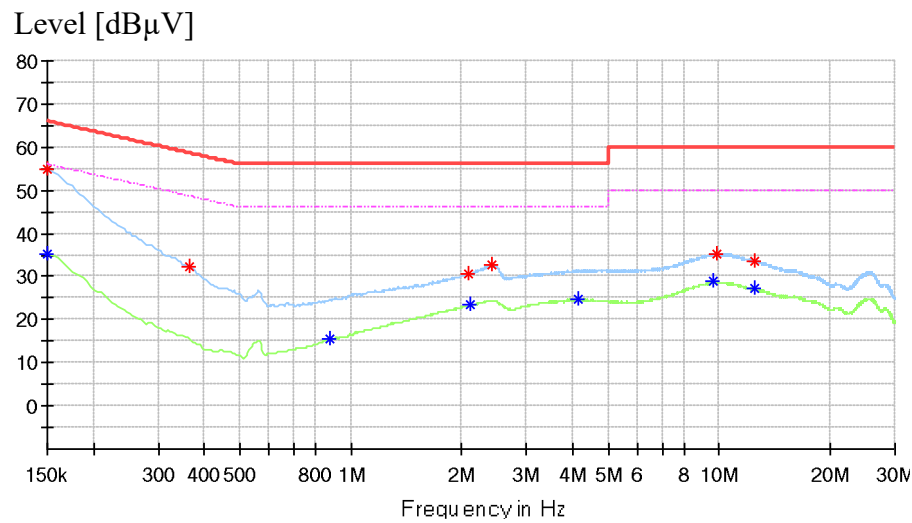
Figure 7: Spectral Diagrams, Conducted Emission, 150 kHz – 30 MHz, right side, mode 2, L line



Final measurement result:

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.150000	52.35	---	66.00	13.65	L1	10.4
0.150000	---	34.98	56.00	21.02	L1	10.4
0.368250	29.33	---	58.54	29.21	L1	10.4
0.876750	---	13.48	46.00	32.52	L1	10.4
1.947750	---	22.76	46.00	23.24	L1	10.4
2.100750	30.45	---	56.00	25.55	L1	10.4
2.397750	32.75	---	56.00	23.25	L1	10.4
3.945750	---	23.73	46.00	22.27	L1	10.4
9.471750	---	27.92	50.00	22.08	L1	10.8
9.944250	34.51	---	60.00	25.49	L1	10.8
12.405750	32.47	---	60.00	27.53	L1	10.9
12.423750	---	25.69	50.00	24.31	L1	10.9

Figure 8: Spectral Diagrams, Conducted Emission, 150 kHz – 30 MHz, right side, mode 2, N line



Final measurement result:

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.150000	54.78	---	66.00	11.22	N	10.3
0.150000	---	35.36	56.00	20.64	N	10.3
0.363750	32.13	---	58.64	26.51	N	10.3
0.876750	---	15.50	46.00	30.50	N	10.3
2.096250	30.69	---	56.00	25.31	N	10.4
2.118750	---	23.52	46.00	22.48	N	10.4
2.415750	32.77	---	56.00	23.23	N	10.4
4.125750	---	24.64	46.00	21.36	N	10.4
9.665250	---	28.72	50.00	21.28	N	10.8
9.881250	35.30	---	60.00	24.70	N	10.8
12.446250	33.71	---	60.00	26.29	N	10.9
12.450750	---	27.09	50.00	22.91	N	10.9

5.2 Emission in the Frequency Range above 30 MHz

5.2.1 Radiated emission (30-1000 MHz)

Result:	Passed
----------------	---------------

Date of testing	: 2026-04-15
Test procedure	: FCC 47 CFR Part 15, Subpart B:2025, ICES-003:2020, ANSI C63.4-2014 and CISPR 16-2-3
Product classification	: Class B
Frequency range	: 30 – 1000 MHz (see Note 1)
Limits	: Quasi-peak limits (10 m distance): 30 – 88 MHz, 30 dB μ V/m; 88 – 216 MHz, 33.5 dB μ V/m; 216 – 960 MHz, 36 dB μ V/m above 960 MHz, 44 dB μ V/m (see note 2)
Bandwidth of EMI receiver for final measurement	: 120 kHz
Measurement time for final measurement	: 1 s
Kind of test site	: Semi-anechoic chamber
Input voltage	: AC 120 V, 60 Hz
Operational mode	: Mode 1 & mode 2 continuously operated as note described in clause 2.4 with load as described in clause 3.4
Ambient condition	: Temperature: 23.6 °C; Relative humidity: 51.2 %
Expanded measurement uncertainty ($k=2$)	: 5.40 dB The minimum margin to the limit is 9.93 dB at 72.734 MHz. The margin is higher than expanded measurement uncertainty.
Test setup photo	: Section 6 of this test report

The radiated disturbance test was carried out in a semi-anechoic chamber. The test distance from the receiving antenna to the EUT is 10 m. The normalized site attenuation of the semi-anechoic chamber is regularly calibrated to ensure the radiated disturbance test results are valid. During the test, the EUT was placed on a wooden support above the reference ground plane. The wooden support was rotated 360° around and the height of the antenna was varied from 1 m to 4 m to find the maximum disturbance. The test was performed with the antenna both in its horizontal and vertical polarizations.

The following figures and tables were those measured by an automatic measurement system. A preview test was firstly performed with peak detector. The final test was performed with quasi-peak at those critical frequencies during the preview test. In the following spectral diagram, “×” means quasi-peak test results.

Prüfbericht - Nr.: CN26FZXU 001

Test Report No.:

Seite 22 von 27

Page 22 of 27

Notes on following tables of radiated emission results and conversions:

QuasiPeak (dB μ V/m): final measurement results by using quasi-peak detector

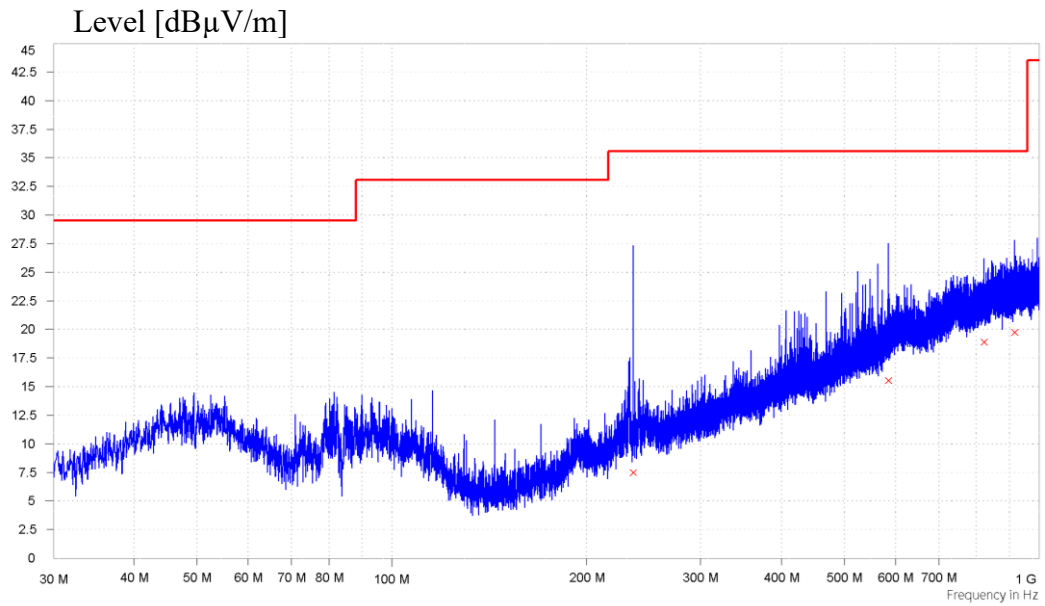
Corr. (dB): correction factor including: antenna factor, cable loss, and gain of pre-amplifier (if used)

Margin: Limit (dB μ V/m) - QuasiPeak (dB μ V/m)

Note 1: The class B limits of FCC 47 CFR Part 15, Subpart B:2025 is stricter than those of ICES-003:2020 for 10 m test distance. Therefore, the former limits are used in following figures and tables.

Note 2: The highest frequency of EUT is 16 MHz. According to FCC Part 15 subpart B §15.33 (b) (1), the upper frequency for radiated emission measurement is 1 GHz.

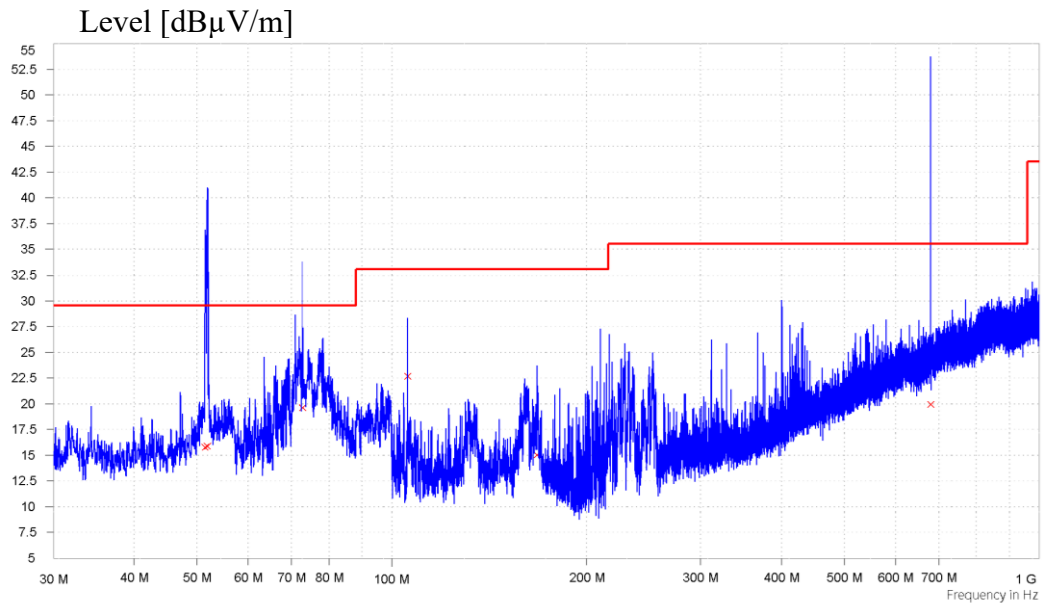
Figure 9: Spectral diagrams, radiated emission, 30 MHz – 1000 MHz, mode 1& 2, horizontal polarization



Final quasi-peak measurement results:

Frequency [MHz]	Range Name	QPK Level [dBμV/m]	QPK Limit [dBμV/m]	QPK Margin [dB]	Correction [dB]	Azimuth [deg]	Antenna Height [m]	Meas. BW [kHz]	Meas. Time [s]
236.071	Horizontal	10.41	35.56	25.15	-6.46	-66	2.78	120.000	1.000
236.071	Horizontal	7.46	35.56	28.10	-6.46	-66	2.15	120.000	1.000
585.271	Horizontal	15.52	35.56	20.04	3.77	180	3.00	120.000	1.000
822.005	Horizontal	18.89	35.56	16.67	6.86	94	3.80	120.000	1.000
916.149	Horizontal	19.71	35.56	15.85	7.65	180	3.57	120.000	1.000

Figure 10: Spectral diagrams, radiated emission, 30 MHz – 1000 MHz, mode 1&2, vertical polarization



Final quasi-peak measurement results:

Frequency [MHz]	Range Name	QPK Level [dBμV/m]	QPK Limit [dBμV/m]	QPK Margin [dB]	Correction [dB]	Azimuth [deg]	Antenna Height [m]	Meas. BW [kHz]	Meas. Time [s]
51.502	Vertical	15.80	29.54	13.74	-7.01	100	1.15	120.000	1.000
51.933	Vertical	15.87	29.54	13.67	-7.02	100	1.56	120.000	1.000
72.734	Vertical	19.61	29.54	9.93	-9.80	122	2.39	120.000	1.000
105.714	Vertical	22.67	33.06	10.39	-11.24	38	2.00	120.000	1.000
167.686	Vertical	15.02	33.06	18.04	-7.09	-155	1.87	120.000	1.000
679.469	Vertical	19.91	35.56	15.65	4.68	-177	1.00	120.000	1.000

6 Photographs of the Test Set-Up

Refer to the test setup file.

Prüfbericht - Nr.: CN26FZXU 001
Test Report No.:Seite 26 von 27
Page 26 of 27

7 List of Test and Measurement Instruments

Equip. no.	Equipment name	Model	Serial no.	Manufacturer	Cal. date	Due date
EMC-C-319	Thermohygrometer	608-H1	2283796623	testo	2025-06-10	2026-06-10
EMC-S-028	EMI measurement software	EMC32-E+ (10.60.20)	100150	Rohde & Schwarz	N/A	N/A
EMC-C-195	EMI test receiver	ESR3	102794	Rohde & Schwarz	2025-08-02	2026-08-02
EMC-C-190	Artificial mains network	ENV432	101514	Rohde & Schwarz	2025-09-02	2026-09-02
EMC-S-305	EMI measurement software	ELEKTRA 5.22.3	102523	Rohde & Schwarz	N/A	N/A
EMC-C-337	EMI test receiver	ESR3	102995	Rohde & Schwarz	2025-09-28	2026-09-28
EMC-C-332	10 m semi-anechoic chamber	SAC10-5	FJ219015	Frankonia	2025-12-26	2028-12-26
EMC-C-322	Signal conditioning unit	SCU01F	100451	Rohde & Schwarz	2025-09-18	2026-09-18
EMC-C-321	Signal conditioning unit	SCU01F	100450	Rohde & Schwarz	2025-09-18	2026-09-18
EMC-C-301	EMI test receiver	ESR7	102512	Rohde & Schwarz	2026-01-28	2027-01-28
EMC-C-230	Trilog broadband antenna	VULB 9168	01463	Schwarzbeck	2026-01-19	2028-01-19
EMC-C-204	Trilog broadband antenna	VULB 9163	01564	Schwarzbeck	2025-08-04	2027-02-04

8 List of Figures

Figure 1: Spectral Diagrams, Conducted Emission, 150 kHz – 30 MHz, left side, mode 1, L line	13
Figure 2: Spectral Diagrams, Conducted Emission, 150 kHz – 30 MHz, left side, mode 1, N line.....	14
Figure 3: Spectral Diagrams, Conducted Emission, 150 kHz – 30 MHz, left side, mode 2, L line	15
Figure 4: Spectral Diagrams, Conducted Emission, 150 kHz – 30 MHz, left side, mode 2, N line.....	16
Figure 5: Spectral Diagrams, Conducted Emission, 150 kHz – 30 MHz, right side, mode 1, L line	17
Figure 6: Spectral Diagrams, Conducted Emission, 150 kHz – 30 MHz, right side, mode 1, N line	18
Figure 7: Spectral Diagrams, Conducted Emission, 150 kHz – 30 MHz, right side, mode 2, L line	19
Figure 8: Spectral Diagrams, Conducted Emission, 150 kHz – 30 MHz, right side, mode 2, N line	20
Figure 9: Spectral diagrams, radiated emission, 30 MHz – 1000 MHz, mode 1& 2, horizontal polarization.....	23
Figure 10: Spectral diagrams, radiated emission, 30 MHz – 1000 MHz, mode 1&2, vertical polarization.....	24

End of test report