

Prüfbericht-Nr.: Test report no.:	CN24UK5J 001	Auftrags-Nr.: Order no.:	326034782	Seite 1 von 26 Page 1 of 26				
Kunden-Referenz-Nr.: Client reference no.:	1288983	Auftragsdatum: Order date:	2024-06-27					
Auftraggeber: Client:	IKEA of Sweden AB Box 702, SE-343 81 Älmhult, Sweden							
Prüfgegenstand: Test item:	Portable Lamp							
Bezeichnung / Typ-Nr.: Identification / Type no.:	B2409							
Auftrags-Inhalt: Order content:	TÜV Rheinland EMC service							
Prüfgrundlage: Test specification:	FCC 47 CFR Part 15, Subpart B:2022 Class B ICES-005:2018							
Wareneingangsdatum: Date of sample receipt:	2024-07-05	Refer to the EUT photos file						
Prüfmuster-Nr.: Test sample no.:	A003758084-007							
Prüfzeitraum: Testing period:	Refer to test report							
Ort der Prüfung: Place of testing:	Refer to clause 1.1							
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (Suzhou) Co., Ltd.							
Prüfergebnis*: Test result*:	Pass							
geprüft von: tested by:	<i>Jessie Xu</i>		genehmigt von: authorized by:	<i>Hexiang Liu</i>				
Datum: Date:	2024-08-08		Ausstellungsdatum: Issue date:	2024-08-08				
Stellung / Position:	Project engineer		Stellung / Position:	Reviewer				
Sonstiges / Other:	FCC ID: FHO-B2409 Test Firm Name: TUV Rheinland (Shanghai) Co., Ltd. Designation Number: CN1396 Test Firm Registration Number: 930979							
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:	Prüfmuster vollständig und unbeschädigt Test item complete and undamaged							
* 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	
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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 Prüfbedingungen, 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> |
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| 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.
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 115:2021, 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 115:2021, 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> |

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*Page 3 of 26***Revision history of test report:**

Report number	Issue date	Contents and reason for change if appropriate
CN24UK5J 001	2024-08-08	Initial release.

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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 Product Function and Intended Use

The EUT (equipment under test) is an ordinary portable lamp for lighting and similar use. For the further information, refer to the user's manual.

2.2 Ratings and System Details

Rated input : USB input: DC 5 V, 3 W
Battery input: DC 3.6 V (3×AA HR6), 1.8 W
Protection class : III

2.3 Independent Operation Modes

The basic operation modes are: "ON" and "OFF".

2.4 Description of interconnecting cables

N/A

2.5 Noise Generating and Noise Suppressing Parts

Refer to the circuit diagram for further information.

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

The highest frequency used in the EUT is 1.2 MHz.

2.7 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.

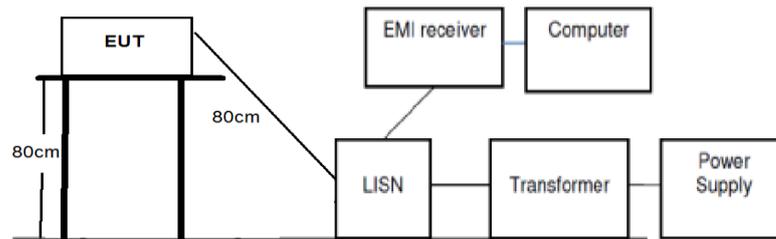
Refer to the related paragraph of this report.

The sequence of testing:

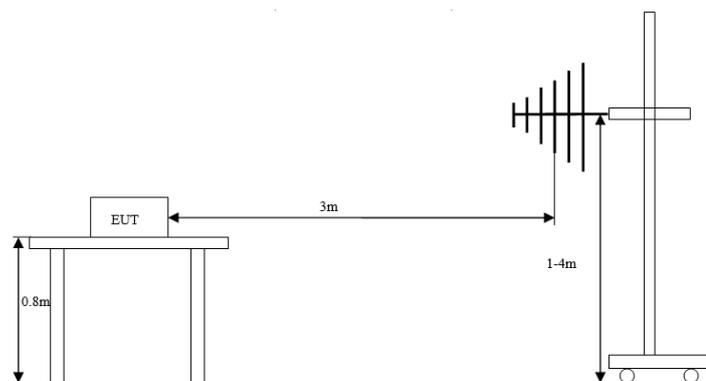
1. Radiated emission tests were performed on 2024-07-12~2024-07-16.
2. Conducted emission tests were performed on 2024-07-10.

3.2 Equipment and cable arrangement

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



(Conducted emission)



(Radiated emission 30-1000 MHz)

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

3.3 Test Software

No special test software was used during the tests.

3.4 Special Accessories and Auxiliary Equipment

During the tests, the power supply (Model: ICPSW5-5NA-1, Brand: IKEA) and laptop (Model: T450, Brand: ThinkPad) were used.

3.5 Countermeasures to achieve EMC Compliance

No other special measure is 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	: 2024-07-10
Test procedure	: FCC 47 CFR Part 15, Subpart B:2022, ICES-005:2018, 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: Charging by power supply and lighting on with dimming function. Mode 2: Charging by laptop and lighting on with dimming function. (For the dimming function, the worst-case was recorded in the test report)
Ambient condition	: Temperature: 25.5 °C; Relative humidity: 48.3 %
Expanded measurement uncertainty ($k=2$)	: 2.33 dB The minimum margin to the limit is 7.95 dB at 0.188250 MHz. The margin is higher than expanded measurement uncertainty.

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.

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

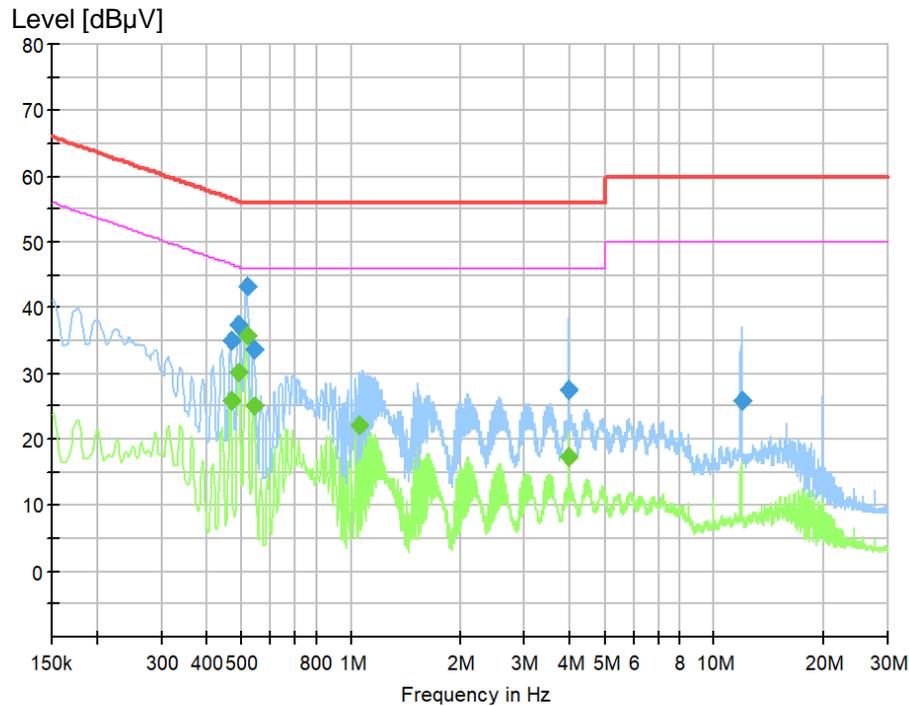
The following figures and tables were those measured by an automatic measuring system. Both quasi-peak and average measurements were performed. In the following spectral diagram, “◆” means Quasi-Peak Value and “◇” means Average Value results.

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)

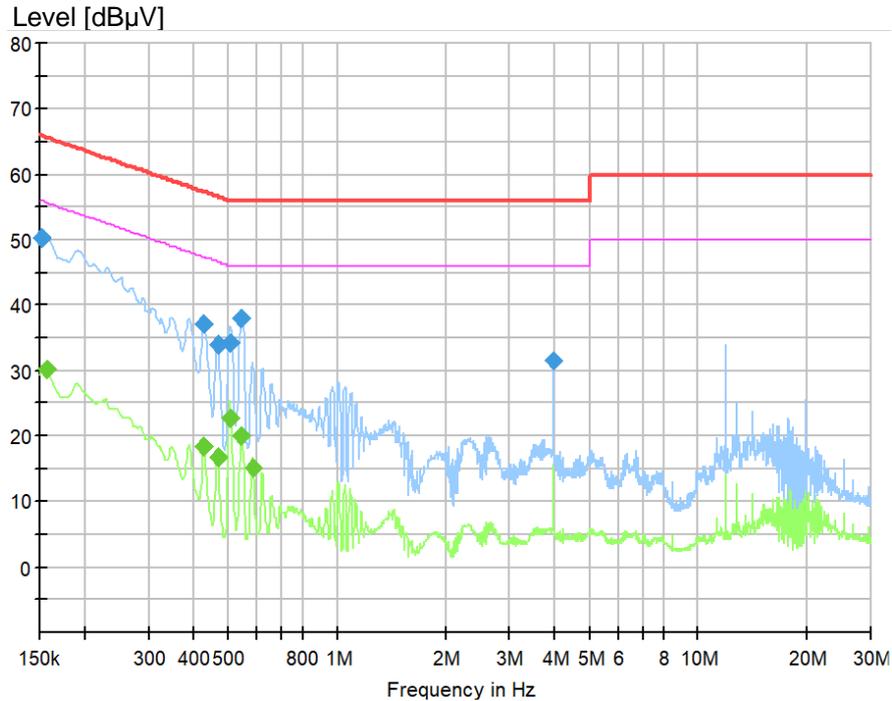
Figure 1: Spectral Diagrams, Conducted Emission, 150 kHz – 30 MHz, L on mode 1


Final quasi-peak measurement result:

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.465000	35.02	56.60	21.58	1000.0	9.000	L1	10.3
0.489750	37.29	56.17	18.88	1000.0	9.000	L1	10.3
0.514500	43.38	56.00	12.62	1000.0	9.000	L1	10.3
0.539250	33.72	56.00	22.28	1000.0	9.000	L1	10.3
3.957000	27.52	56.00	28.48	1000.0	9.000	L1	10.2
11.872500	26.02	60.00	33.98	1000.0	9.000	L1	10.8

Final average measurement result:

Frequency (MHz)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.465000	26.01	46.60	20.59	1000.0	9.000	L1	10.3
0.489750	30.28	46.17	15.89	1000.0	9.000	L1	10.3
0.514500	35.92	46.00	10.08	1000.0	9.000	L1	10.3
0.539250	25.20	46.00	20.80	1000.0	9.000	L1	10.3
1.054500	22.13	46.00	23.87	1000.0	9.000	L1	10.7
3.957000	17.41	46.00	28.59	1000.0	9.000	L1	10.2

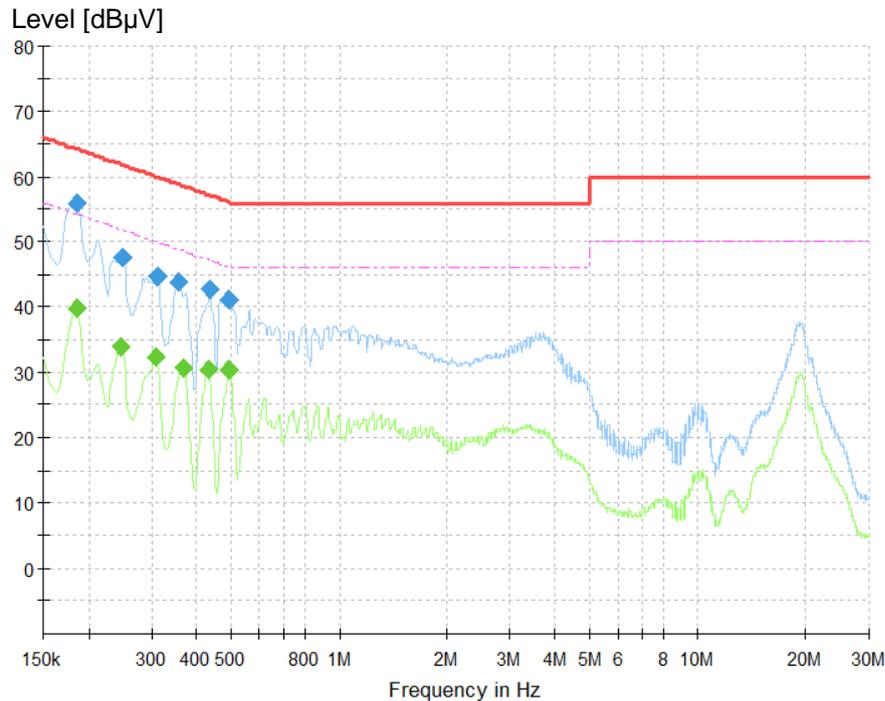
Figure 2: Spectral Diagrams, Conducted Emission, 150 kHz – 30 MHz, N on mode 1


Final quasi-peak measurement result:

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.152250	50.16	65.88	15.71	1000.0	9.000	N	10.2
0.426750	37.18	57.32	20.13	1000.0	9.000	N	10.3
0.467250	33.89	56.56	22.67	1000.0	9.000	N	10.2
0.507750	34.19	56.00	21.81	1000.0	9.000	N	10.2
0.543750	38.06	56.00	17.94	1000.0	9.000	N	10.3
3.961500	31.40	56.00	24.60	1000.0	9.000	N	10.7

Final average measurement result:

Frequency (MHz)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.156750	30.14	55.63	25.50	1000.0	9.000	N	10.3
0.426750	18.32	47.32	29.00	1000.0	9.000	N	10.3
0.467250	16.92	46.56	29.65	1000.0	9.000	N	10.2
0.505500	22.62	46.00	23.38	1000.0	9.000	N	10.2
0.543750	19.88	46.00	26.12	1000.0	9.000	N	10.3
0.582000	15.28	46.00	30.72	1000.0	9.000	N	10.3

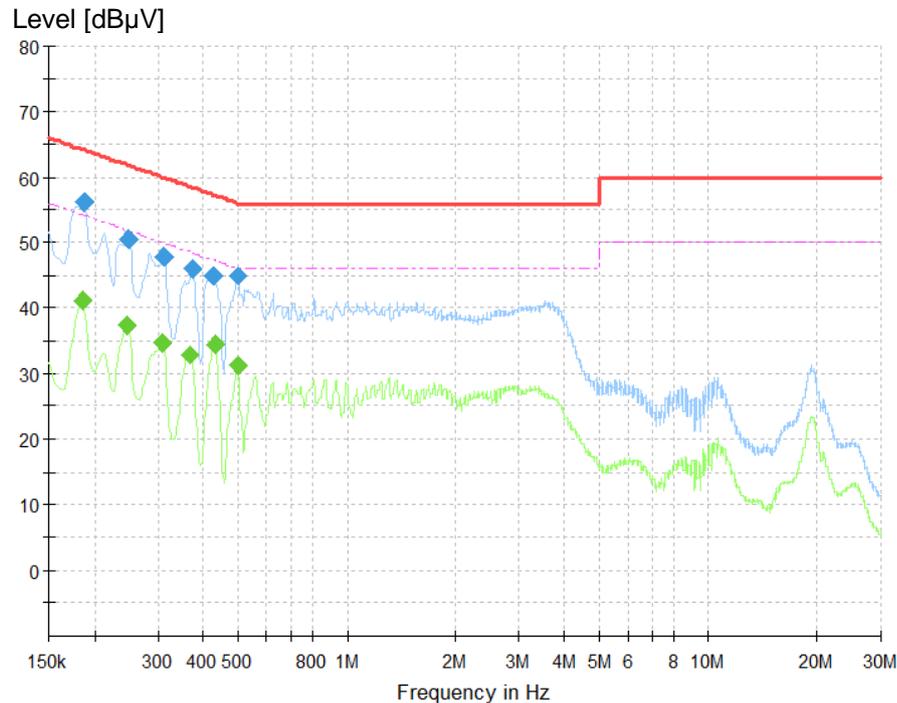
Figure 3: Spectral Diagrams, Conducted Emission, 150 kHz – 30 MHz, L on mode 2


Final quasi-peak measurement result:

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.186000	55.86	64.21	8.35	1000.0	9.000	L1	10.3
0.249000	47.59	61.79	14.20	1000.0	9.000	L1	10.3
0.312000	44.52	59.92	15.39	1000.0	9.000	L1	10.3
0.354750	43.83	58.85	15.02	1000.0	9.000	L1	10.3
0.438000	42.75	57.10	14.35	1000.0	9.000	L1	10.3
0.496500	41.18	56.06	14.87	1000.0	9.000	L1	10.3

Final average measurement result:

Frequency (MHz)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.186000	39.94	54.21	14.27	1000.0	9.000	L1	10.3
0.246750	34.05	51.87	17.81	1000.0	9.000	L1	10.3
0.307500	32.22	50.04	17.82	1000.0	9.000	L1	10.3
0.368250	30.82	48.54	17.72	1000.0	9.000	L1	10.3
0.433500	30.45	47.19	16.74	1000.0	9.000	L1	10.3
0.496500	30.50	46.06	15.55	1000.0	9.000	L1	10.3

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

Final quasi-peak measurement result:

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.188250	56.16	64.11	7.95	1000.0	9.000	N	10.7
0.249000	50.49	61.79	11.30	1000.0	9.000	N	10.7
0.312000	47.92	59.92	12.00	1000.0	9.000	N	10.5
0.375000	46.10	58.39	12.29	1000.0	9.000	N	10.4
0.426750	44.91	57.32	12.41	1000.0	9.000	N	10.3
0.501000	45.00	56.00	11.00	1000.0	9.000	N	10.2

Final average measurement result:

Frequency (MHz)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.186000	41.08	54.21	13.13	1000.0	9.000	N	10.6
0.246750	37.28	51.87	14.58	1000.0	9.000	N	10.7
0.309750	34.79	49.98	15.19	1000.0	9.000	N	10.5
0.370500	32.83	48.49	15.66	1000.0	9.000	N	10.4
0.431250	34.45	47.23	12.78	1000.0	9.000	N	10.3
0.498750	31.13	46.02	14.89	1000.0	9.000	N	10.2

5.2 Emission in the Frequency Range above 30 MHz

5.2.1 Radiated emission (30-1000 MHz)

Result:	Passed
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Date of testing	: 2024-07-12~2024-07-16
Test procedure	: FCC 47 CFR Part 15, Subpart B:2022, ICES-005:2018, 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 (3 m distance): 30 – 88 MHz, 40 dB μ V/m; 88 – 216 MHz, 43.5 dB μ V/m; 216 – 1000 MHz, 46 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 for power supply DC 3.6 V for battery
Operational mode	: Mode 1: Charging by power supply and lighting on with dimming function Mode 2: Charging by laptop and lighting on with dimming function Mode 3: Lighting on by battery powered and dimming. (For the dimming function, the worst-case was recorded in the test report)
Ambient condition	: Temperature: 25.7 °C; Relative humidity: 49.7 %
Expanded measurement uncertainty ($k=2$)	: 5.40 dB The minimum margin to the limit is 11.4 dB at 211.996250 MHz. The margin is higher than expanded measurement uncertainty.

The radiated disturbance test was carried out in a semi-anechoic chamber. The test distance from the receiving antenna to the EUT is 3 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 an 80 cm 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.

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Notes on following tables of radiated emission results and conversions:

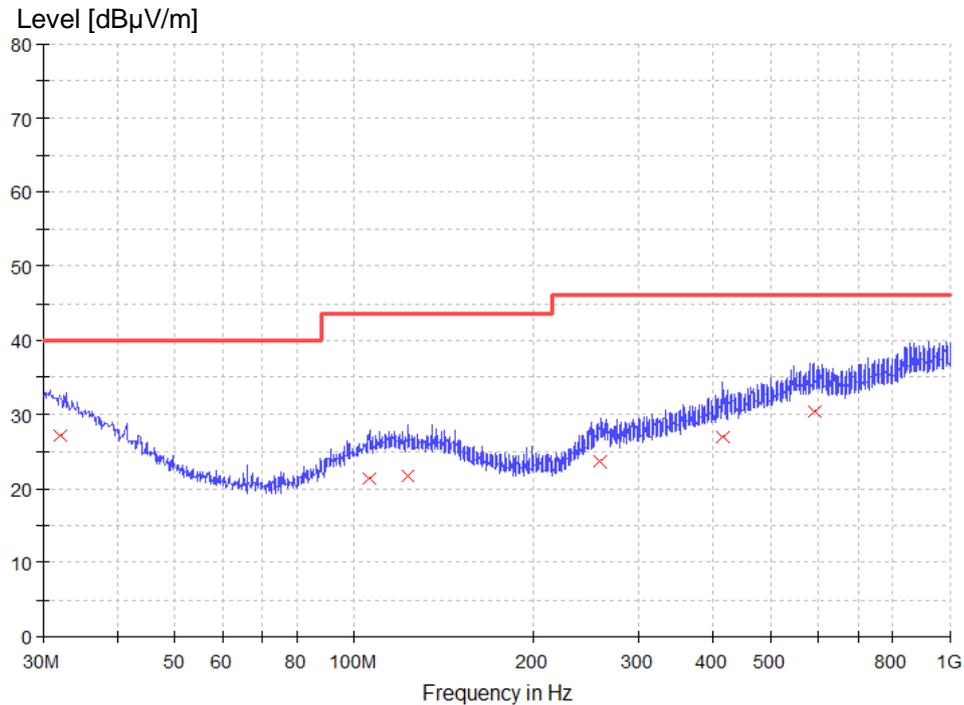
QuasiPeak (dB μ V/m): final measurement results by using quasi-peak detector

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)

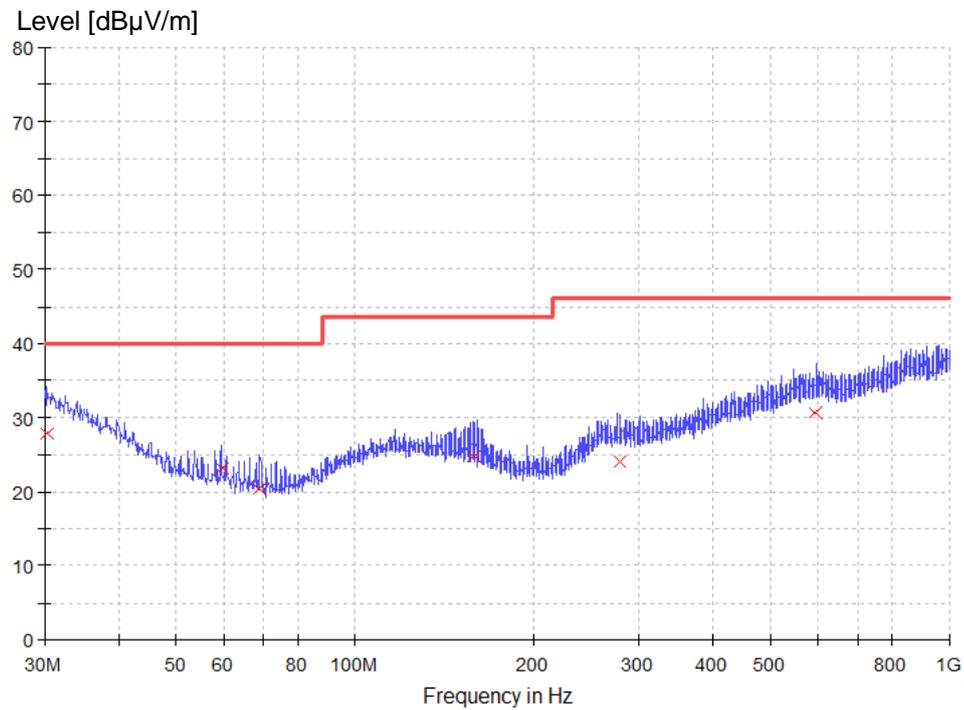
Note 1: The highest frequency in the EUT is less than 108 MHz. According to FCC Part 15 subpart B §15.33 (b) (1), the upper frequency for radiated emission measurement is 1000 MHz.

Note 2: The class B limits of ICES-005:2018 is stricter than those FCC 47 CFR Part 15, Subpart B:2022 for 3 m test distance. Therefore, the former limits are used in following figures and tables.

Figure 5: Spectral Diagrams, Radiated Emission, 30 MHz – 1000 MHz, Horizontal polarization on mode 1


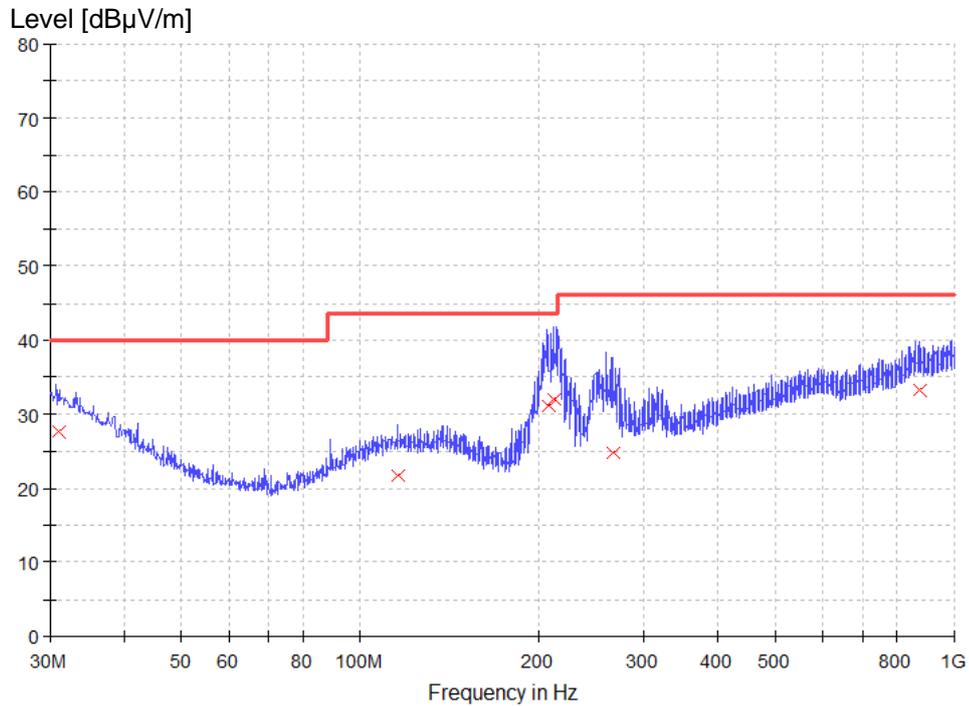
Final quasi-peak measurement results:

Frequency (MHz)	QuasiPeak (dBµV/m)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
32.061250	27.1	120.000	283	H	-102	23.8	12.9	40.0
105.660000	21.3	120.000	280	H	105	18.4	22.2	43.5
122.998750	21.7	120.000	255	H	179	18.8	21.8	43.5
259.768750	23.7	120.000	346	H	-146	20.8	22.3	46.0
416.908750	27.0	120.000	223	H	136	23.8	19.1	46.0
591.023750	30.4	120.000	231	H	122	26.8	15.6	46.0

Figure 6: Spectral Diagrams, Radiated Emission, 30 MHz – 1000 MHz, Vertical polarization on mode 1


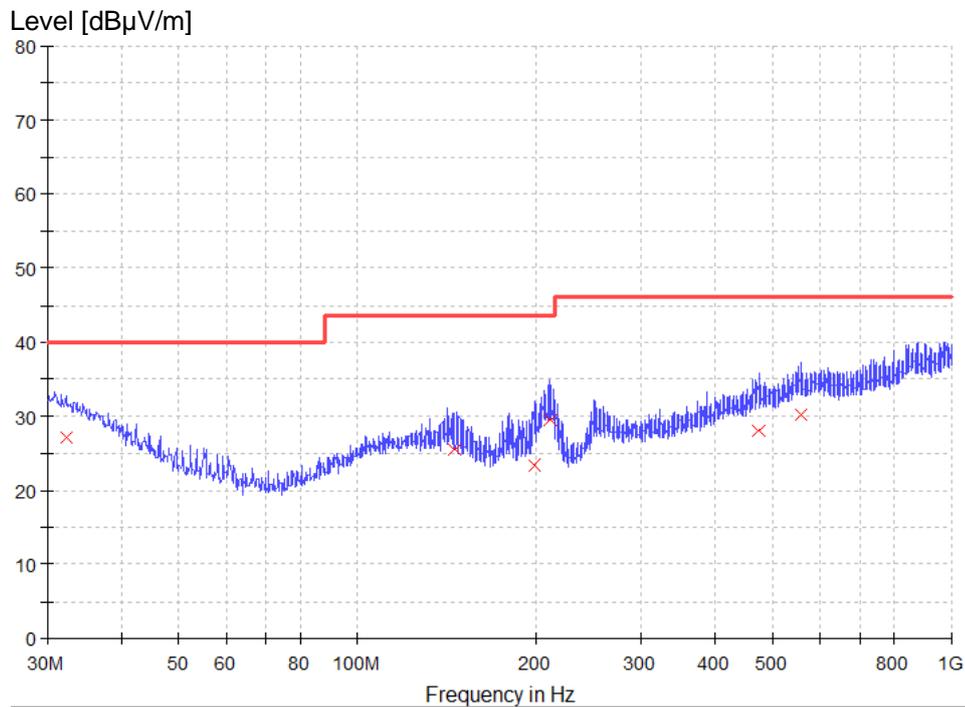
Final quasi-peak measurement results:

Frequency (MHz)	QuasiPeak (dBµV/m)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
30.242500	27.9	120.000	288	V	-125	24.7	12.1	40.0
59.463750	23.2	120.000	365	V	-2	13.0	16.8	40.0
69.285000	20.3	120.000	117	V	138	12.6	19.7	40.0
158.403750	24.8	120.000	115	V	93	17.0	18.7	43.5
278.926250	24.1	120.000	184	V	-106	19.9	21.9	46.0
595.388750	30.6	120.000	373	V	83	26.9	15.4	46.0

Figure 7: Spectral Diagrams, Radiated Emission, 30 MHz – 1000 MHz, Horizontal polarization on mode 2


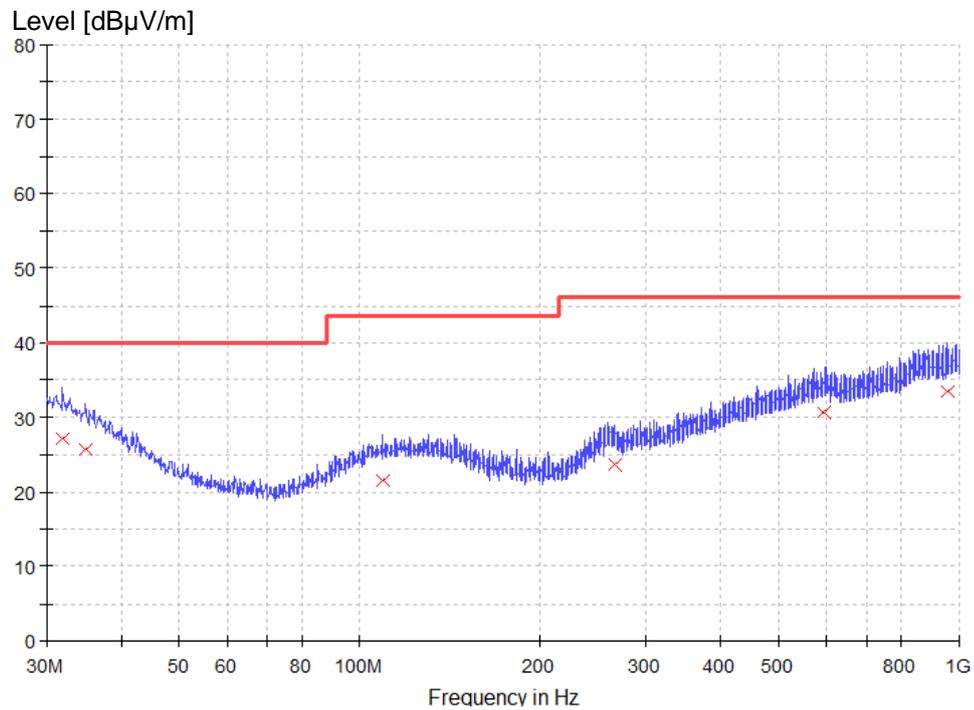
Final quasi-peak measurement results:

Frequency (MHz)	QuasiPeak (dBµV/m)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
31.091250	27.6	120.000	378	H	-57	24.3	12.5	40.0
115.845000	21.8	120.000	357	H	-105	18.8	21.7	43.5
207.025000	31.1	120.000	233	H	165	16.2	12.4	43.5
211.996250	32.1	120.000	338	H	84	16.0	11.4	43.5
266.073750	24.7	120.000	385	H	-104	20.6	21.3	46.0
874.991250	33.2	120.000	119	H	-121	28.6	12.8	46.0

Figure 8: Spectral Diagrams, Radiated Emission, 30 MHz – 1000 MHz, Vertical polarization on mode 2


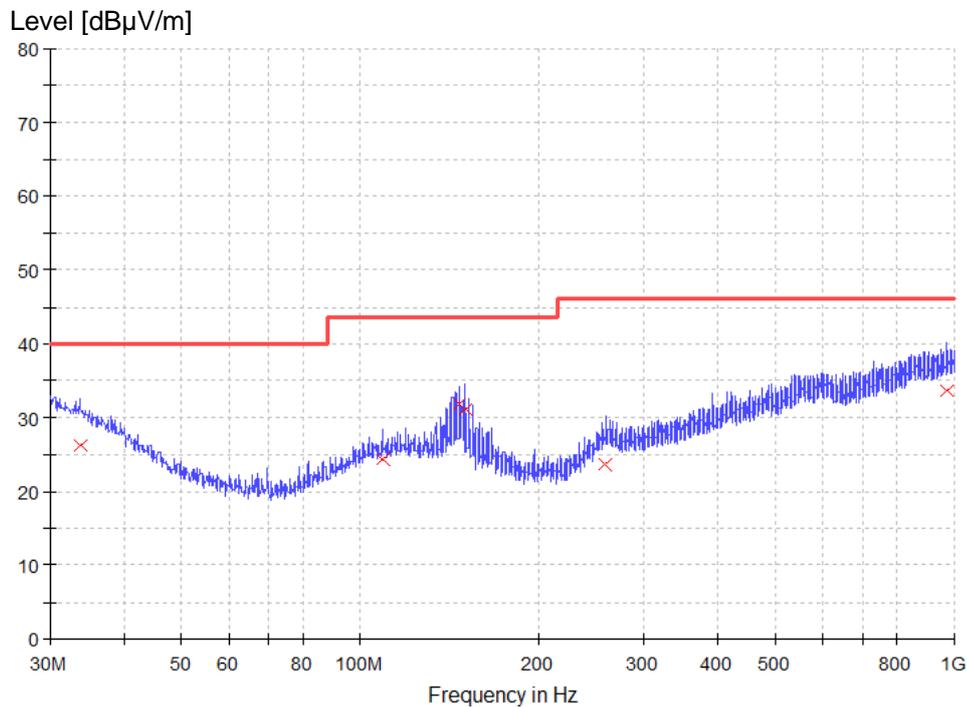
Final quasi-peak measurement results:

Frequency (MHz)	QuasiPeak (dBµV/m)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
32.182500	27.1	120.000	240	V	-139	23.8	12.9	40.0
145.308750	25.6	120.000	324	V	-3	17.8	17.9	43.5
197.931250	23.5	120.000	188	V	-148	16.0	20.0	43.5
211.026250	29.4	120.000	276	V	60	16.1	14.1	43.5
474.866250	28.2	120.000	325	V	-87	25.0	17.8	46.0
556.467500	30.2	120.000	217	V	-171	26.7	15.8	46.0

Figure 9: Spectral Diagrams, Radiated Emission, 30 MHz – 1000 MHz, Horizontal polarization on mode 3


Final quasi-peak measurement results:

Frequency (MHz)	QuasiPeak (dBµV/m)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
31.940000	27.1	120.000	310	H	-179	23.9	12.9	40.0
34.850000	25.7	120.000	396	H	94	22.6	14.4	40.0
109.297500	21.4	120.000	289	H	-72	18.6	22.1	43.5
266.437500	23.6	120.000	172	H	113	20.5	22.4	46.0
595.995000	30.6	120.000	347	H	36	26.9	15.4	46.0
953.561250	33.4	120.000	378	H	24	29.4	12.6	46.0

Figure 10: Spectral Diagrams, Radiated Emission, 30 MHz – 1000 MHz, Vertical polarization on mode 3


Final quasi-peak measurement results:

Frequency (MHz)	QuasiPeak (dBµV/m)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
33.758750	26.3	120.000	222	V	-151	23.1	13.7	40.0
108.933750	24.3	120.000	235	V	147	18.5	19.2	43.5
147.006250	31.9	120.000	288	V	163	17.7	11.6	43.5
149.552500	31.2	120.000	365	V	166	17.6	12.3	43.5
258.798750	23.6	120.000	117	V	-27	20.6	22.4	46.0
974.416250	33.8	120.000	115	V	-160	29.7	12.3	46.0

6 Photographs of the Test Set-Up

Refer to the test setup file.

7 List of Test and Measurement Instruments

Equip.	Description	Model	Manufacturer	Last Date	Due Date
				DD.MM.YYYY	DD.MM.YYYY
9061503	Shielded enclosure	10.055x3.605x3.000	Frankonia	08.11.2023	08.11.2028
9023229	EMI test receiver	ESR3	Rohde&Schwarz	23.08.2023	23.08.2024
G1830003	Artificial mains network	ENV432	Rohde&Schwarz	16.10.2023	16.10.2024
G1824248	Dual display multimeter	F45	Fluke	12.06.2024	12.06.2026
9062744	EMI measurement software	EMC32-E+(10.60.20)	Rohde&Schwarz	N/A	N/A
G1811378	3m semi-anechoic chamber	SAC3	Frankonia	03.12.2023	03.12.2026
G1811391	EMI test receiver	ESCI	Rohde&Schwarz	16.10.2023	16.10.2024
G1811425	Bilog antenna	CBL 6112D	Teseq	20.04.2023	20.04.2026
9062745	EMI measurement software	EMC32-MEB (10.60.20)	Rohde&Schwarz	N/A	N/A

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End of test report