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Test report No.:
TREFCC24-0023

FCC CERTIFICATION TEST REPORT

Test report No.	:	TREFCC24-0023
Applicant	:	KD Navien Co., Ltd.
Address	:	95, Suworam-gil, Seotan-myeon, Pyeongtaek-si, Gyeonggi-do, 17704, Republic of Korea
Manufacturer	:	KD Navien Co., Ltd.
Address	:	95, Suworam-gil, Seotan-myeon, Pyeongtaek-si, Gyeonggi-do, 17704, Republic of Korea
Type of equipment	:	CarbonCore Heated Mattress Pad
Model name	:	EME511-KP
Variant model name	:	EME511-QP, EME511-SP
FCC ID	:	2ASTC-EME511
Date of incoming	:	February 08, 2024
Date of test	:	February 19, 2024
Date of issue	:	March 06, 2024
Test standards	:	ANSI C 63.4-2014 47 CFR Part 15 Subpart B
Type of device	:	All other devices
Test Result	:	☒ Complied ☐ Not complied

Summary

The test results presented in this test report are limited only to the sample supplied by applicant and the use of this test report is inhibited other than its purpose. This test report shall not be reproduced except in full, without the written approval of Lab-T, Inc.

Prepared by	**Approved by**
GyuBong Nam / EMC Test Engineer	CheolHo, Lee / Technical manager

If this test report is required for confirmation of authenticity, please contact info@lab-t.net
This test report is not related to KOLAS.

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1. Revision history

Issued report No.	Version	Issued date	Revision
TREFCC24-0023	Rev. 00	March 06, 2024	Original

2. Information of test laboratory

Corporate name	Lab-T, Inc.
Representative	Duke (Jongyoung) Kim
Address	2182-42 Baegok-daero, Mohyeon-eup, Cheoin-gu, Yongin-si
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Telephone	+82-31-322-6767
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Test site	Building L, A, T
Address	2182-40, 2182-44, 2182-42 Baegok-daero, Mohyeon-eup, Cheoin-gu
	Yongin-si, Gyeonggi-do 17036, Korea (Republic of)

* Lab-T, Inc. has been accredited / filed / authorized by the agencies listed in the following table.

Certificate	Nation	Agency	Code	Mark
Accreditation	Korea	KOLAS	KT703	
Site filing	USA	FCC	KR0159	
	Japan	VCCI	R-14282, C-14764 T-12276, G-10886 G-10887	
	Canada	Industry Canada (IC)	22000	
Certification	Korea	KC	KR0159 (RRA) KC2019-1 (KATS)	
	EU	TUV SUD	CARAT 093449 0008	
	USA	UL	1706-E-197	

3. Applicant information

Applicant	KD Navien Co., Ltd.
Address	95, Suworam-gil, Seotan-myeon, Pyeongtaek-si, Gyeonggi-do, 17704, Republic of Korea

Manufacturer	KD Navien Co., Ltd.
Address	95, Suworam-gil, Seotan-myeon, Pyeongtaek-si, Gyeonggi-do, 17704, Republic of Korea
Country of origin	Reublic of Korea

Factory	KD Navien Co., Ltd.
Address	104, Sabgyocheon-Ro, Seonjang-Myeon, Asan-Si, Chungcheongnam-Do, Republic of Korea
Factory (Country)	Reublic of Korea

4. Description of EUT (Equipment under test)

4.1 Product description

Name of EUT	CarbonCore Heated Mattress Pad
Model name	EME511-KP

4.2 Product specification

Classification		EME511
Product Name		CarbonCore Heated Mattress Pad
Model Name	Single	EME511-SP
	Queen	EME511-QP
	King	EME511-KP
Rated Power Consumption		DC24V, 105W (Single), 150W (Queen/King)
Operating & Storage Conditions	Temperature	Operating: 32°F ~ 77°F (0°C ~ 25°C) Storage: -13°F ~ 158°F (-25°C ~ 70°C)
	Humidity	Operating: 10% ~ 90% RH, Non-condensing Storage: 5% ~ 90% RH, Non-condensing
Controller Size		2.1 x 5.9 x 1.0 inch (50 x 150 x 25 mm)
Controller Weight		0.55 lbs (250 g)
Receptacle Size		3.0 x 2.2 x 1.2 inch (75 x 55 x 30 mm)
Receptacle Weight		0.33 lbs (150 g)
Pad Size	Single	37.4 x 76.8 inch (950 x 1,950 mm)
	Queen	57.1 x 76.8 inch (1,450 x 1,950 mm)
	King	65.0 x 76.8 inch (1,650 x 1,950 mm)
Manufactured in		Republic of Korea
Certification		FCC

4.3 EUT internal operating frequency

Frequency	Description	Frequency	Description
24 MHz	-	-	-

4.4 Information of additional model

Division	Model name	Difference
1	EME511-QP	mat heat line length
2	EME511-SP	Power consumption and mat heat line length

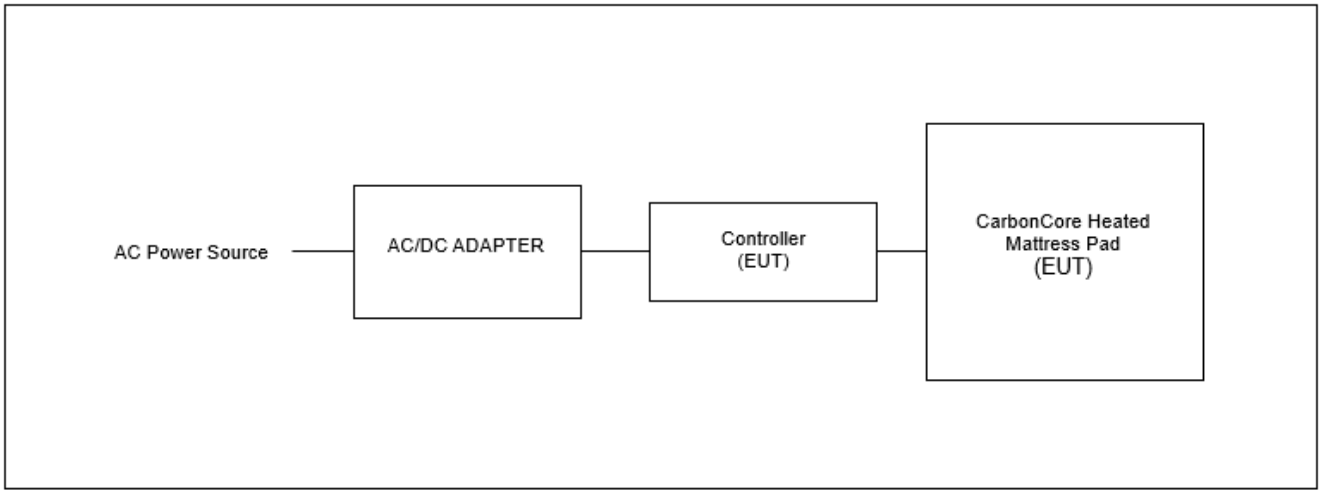
4.5 Peripheral equipment

Product	Model name	Serial No.	Manufacturer
CarbonCore Heated Mattress Pad (Basic model)	EME511-KP	-	KD Navien Co., Ltd. / KOREA
Controller (Basic model)	EME511-KP	-	KD Navien Co., Ltd. / KOREA
CarbonCore Heated Mattress Pad (Derivative model)	EME511-SP	-	KD Navien Co., Ltd. / KOREA
Controller (Derivative model)	EME511-SP	-	KD Navien Co., Ltd. / KOREA
AC/DC ADAPTER	A150KDN-VF USA	-	POWERNET Technologies Core. / CHINA

4.6 Connection cable

Start-up device		Connected end device		Cable specification	
Name	I/O port	Name	I/O port	Length (m)	Spec.
CarbonCore Heated Mattress Pad (EUT)	6 PIN CONNECTOR	Controller (EUT)	-	1.2	Unshield
Controller (EUT)	DC IN	AC/DC ADAPTER	DC OUT	1.8	Unshield
AC/DC ADAPTER	AC IN	AC Power Source	AC OUT	0.7	Unshield

4.7 Test setup and configuration



4.8 EUT operating test mode(s)

- Test the electric mat after setting it to its maximum temperature.
- The basic model (EME511-KP) and the derivative model (EME511-SP) are tested respectively during the test.
- The AC/DC ADAPTER used in the test was not provided and was used as a peripheral device during the test.
  (AC/DC ADAPTER Specification
  - Input : AC 100 V ~ 240 V, 50 / 60 Hz, 2.5 A
  - Output : DC 24 V, 6.25 A, 150 W)

4.9 EUT modification

- Not modification.

5. Test standard

5.1 Standard

Test item	Applied standard	Result
Conducted emission	47 CFR FCC Part 15 Subpart B §15.107 (Class B)	C
Radiated emission (30 MHz ~ 1 000 MHz)	47 CFR FCC Part 15 Subpart B §15.109 (Class B)	C
Radiated emission (Above 1 GHz)	47 CFR FCC Part 15 Subpart B §15.109 (Class B)	N/A (*Note 1)
* C=Comply, N/A=Not applicable * Note1 : The frequency is excluded from the test to less than 108 MHz.		

[Measurement uncertainty]

All measurements involve certain levels of uncertainties, especially in field of EMC.
The factors contributing to uncertainties are test receiver, cable loss, antenna factor calibration, Antenna directivity, antenna factor variation with height, antenna phase center variation, antenna frequency interpolation, measurement distance variation, site imperfection, mismatch, and system repeatability. Based on CISPR 16-4-2, the measurement uncertainty level with a 95 % confidence level was applied.

Test item		Uncertainty	Confidence level of approximately
Conducted emission	0.15 ㎑ ~ 30 ㎒	2.36 ㏈	Least about 95 %, k = 2
Radiated emission (30 MHz ~ 1 000 MHz)	30 ㎒ ~ 1 000 ㎒	4.80 ㏈	Least about 95 %, k = 2

6. Emission test result

6.1 Conducted emission

Test standard	**47 CFR FCC Part 15 Subpart B §15.107**
Test date	2024.02.19
Test facility	Building A Shielded room (#1)
Test voltage	AC 120 V, 60 Hz
Temperature	(21.8 ~ 22.2) °C
Relative humidity	(51.5 ~ 51.9) % R.H.
Test result	Complied

6.1.1 Measurement procedure

If the EUT is table top equipment, it was placed on a wooden table with a height of 0.8 m above the reference ground plane and 0.4 m from the conducting wall of the shielded room.
Also if the EUT is floor-standing equipment, it was placed either directly on the reference ground plane or on insulating material as described in ANSI C 63.4 6.3.3.2. Connect the EUT's power source lines to the appropriate power mains / peripherals through the LISN. All the other peripherals are connected to the 2nd LISN & ISN, if any. Unused measuring port of the LISN & ISN was resistively terminated by 50 ohm terminator. The measuring port of the LISN for EUT was connected to spectrum analyzer. Using conducted emission test software, the emissions were scanned with peak detector mode. After scanning over the frequency range, suspected emissions were selected to perform final measurement. When performing final measurement, the receiver was used which has quasi-peak detector and CISPR average detector. By varying the configuration of the test sample and the cable routing it was attempted to maximize the emission.

6.1.2 Test equipment used

Equipment	Model	Manufacturer	Serial number	Next cal. date
EMI Test Receiver	ESR7	R&S	102160	2024.05.31
PULSE LIMITER	TFL-007D	KYORITSU	12-19-121	2024.05.31
LISN	ENV216	R&S	101416	2024.05.31
LISN Control Unit	LISN Controller	TSJ	06660-1	-
LISN Control Unit	LISN Controller	TSJ	06660-2	-
EMI CE Software	EMI-C	TSJ	-	-

* All test equipment used is calibrated on a regular basis.

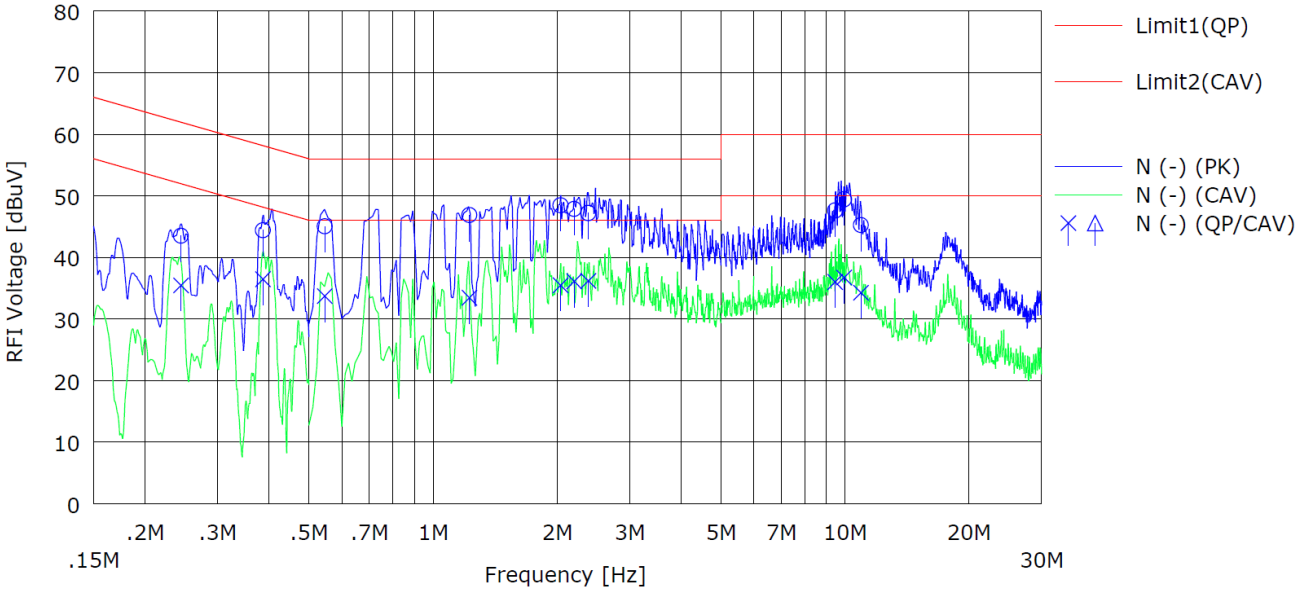
6.1.3 Conducted emission limit

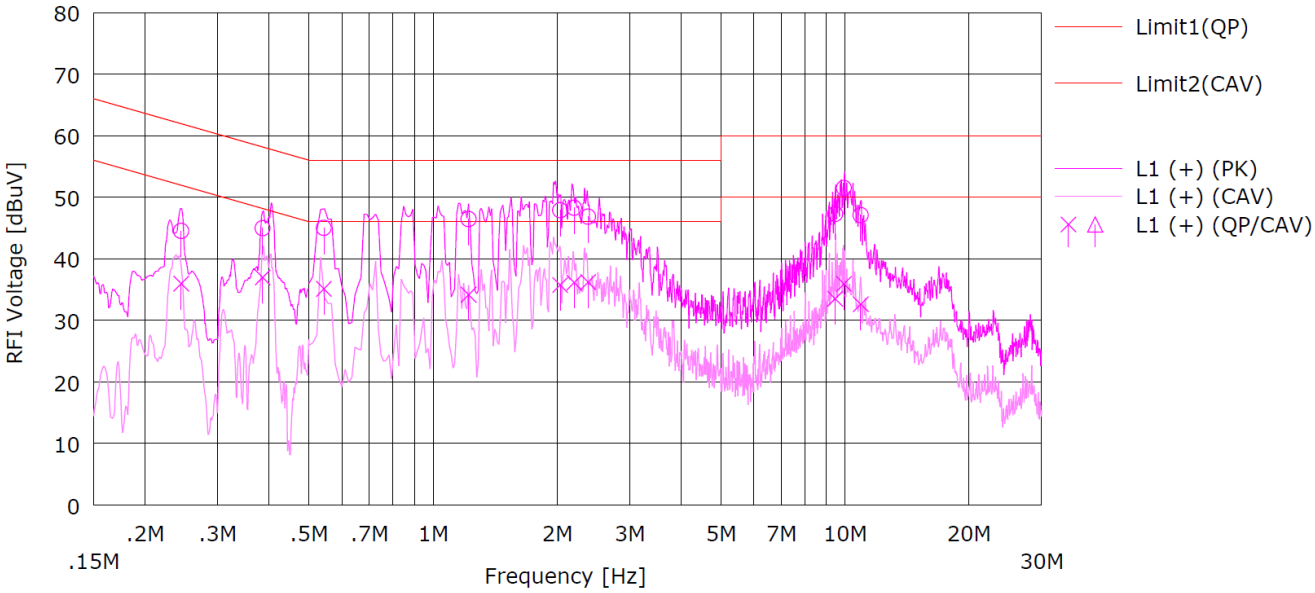
Frequency (㎒)	Class A (dB(㎶))		Class B (dB(㎶))	
	Quasi-peak	Average	Quasi-peak	Average
0.15 to 0.5	79	66	66 ~ 56*	56 ~ 46*
0.5 to 5	73	60	56	46
5 to 30			60	50
Remark 1: (*) The limit decreases linearly with the logarithm of frequency.				

6.1.4 Conducted emission test data

Basic model [EME511-KP]

* Minimum limit margin is 7.6 dB at 2.04083 MHz. (Quasi-peak)





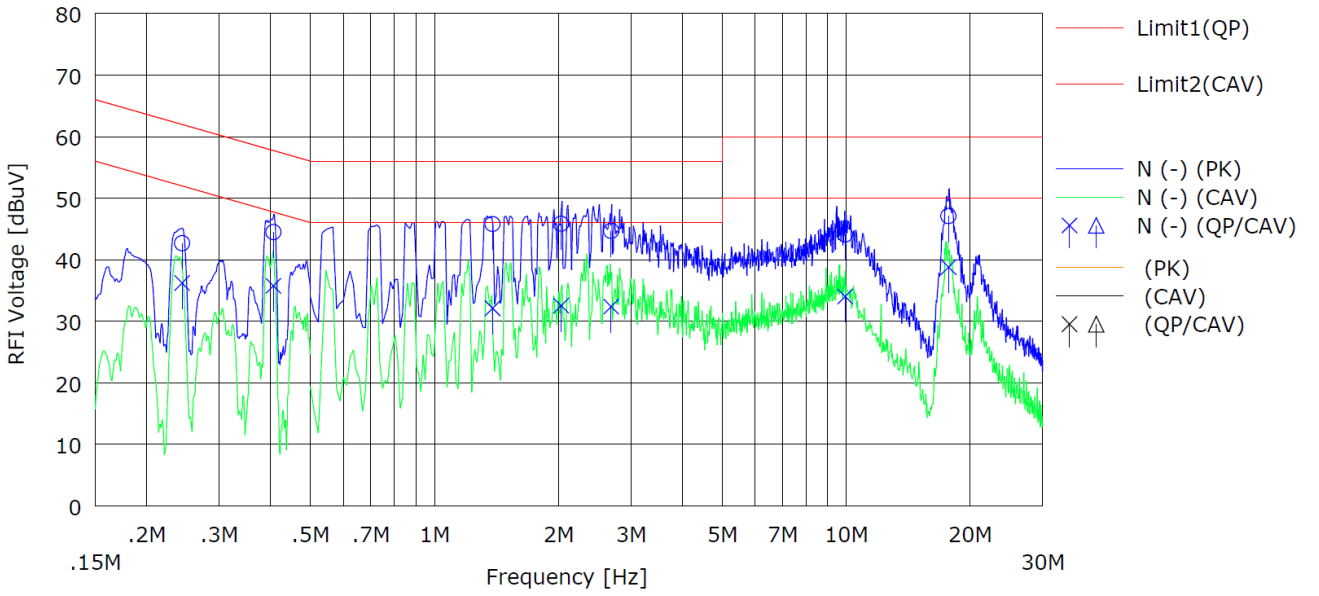
NO	FREQ	READING QP	READING CAV	C.FACTOR	RESULT QP	RESULT CAV	LIMIT QP	LIMIT CAV	MARGIN QP	MARGIN CAV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.24454	33.7	25.6	9.8	43.5	35.4	61.9	51.9	18.4	16.5	N (-)
2	0.38657	34.4	26.4	10.0	44.4	36.4	58.1	48.1	13.7	11.7	N (-)
3	0.54599	34.9	23.6	10.1	45.0	33.7	56.0	46.0	11.0	12.3	N (-)
4	1.22532	36.8	23.4	10.1	46.9	33.4	56.0	46.0	9.1	12.6	N (-)
5	2.04083	38.4	25.4	10.1	48.4	35.4	56.0	46.0	7.6	10.6	N (-)
6	2.20044	37.7	26.0	10.1	47.8	36.1	56.0	46.0	8.2	9.9	N (-)
7	2.38125	37.1	26.1	10.1	47.2	36.2	56.0	46.0	8.8	9.8	N (-)
8	9.46702	37.1	25.4	10.6	47.6	36.0	60.0	50.0	12.4	14.0	N (-)
9	9.95206	38.8	26.2	10.6	49.4	36.7	60.0	50.0	10.6	13.3	N (-)
10	10.93404	34.6	23.6	10.6	45.2	34.2	60.0	50.0	14.8	15.8	N (-)
11	0.24470	34.7	26.1	9.8	44.5	36.0	61.9	51.9	17.4	15.9	L1 (+)
12	0.38609	35.0	27.0	10.0	45.0	37.0	58.1	48.1	13.1	11.1	L1 (+)
13	0.54303	34.9	25.0	10.1	45.0	35.1	56.0	46.0	11.0	10.9	L1 (+)
14	1.22033	36.5	24.2	10.0	46.4	34.1	56.0	46.0	9.6	11.9	L1 (+)
15	2.03585	37.9	25.8	10.0	47.9	35.7	56.0	46.0	8.1	10.3	L1 (+)
16	2.20094	38.3	26.2	10.0	48.3	36.1	56.0	46.0	7.7	9.9	L1 (+)
17	2.38025	36.9	26.2	10.0	46.8	36.2	56.0	46.0	9.2	9.8	L1 (+)
18	9.46353	36.8	23.1	10.4	47.3	33.5	60.0	50.0	12.7	16.5	L1 (+)
19	9.94458	41.0	25.5	10.5	51.5	35.9	60.0	50.0	8.5	14.1	L1 (+)
20	10.92506	36.6	22.1	10.5	47.1	32.6	60.0	50.0	12.9	17.4	L1 (+)

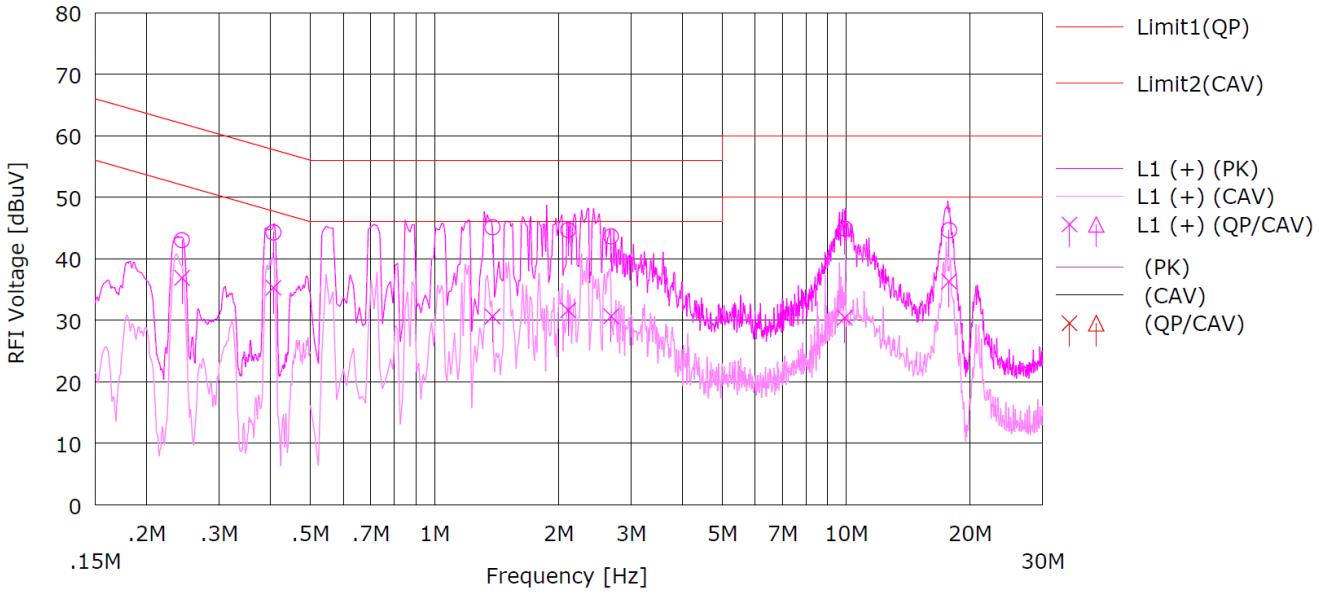
* Remark: “L1”: (Line), “N”: (Neutral)
* Results [dB(μV)] = Reading [dB(μV)] + C.FACTOR [dB]
* C.FACTOR [dB] = LISN insertion Loss [dB] + Cable loss [dB] + Pulse limiter factor [dB]
* Margin [dB] =Limit [dB(μV)] - Result [dB(μV)]
* QP: Quasi-peak , CAV: CISPR Average

* ex) Measure Value[QP]
Frequency: 0.24454 MHz
Results [dB μ V] = 43.5, Reading [dB μ V] = 33.7, C.FACTOR [dB]= 9.8
43.5 dB μ V = 33.7 dB μ V + 9.8 dB
Margin [dB μ V] = 18.4, Limit[dB μ V] = 61.9, Result [dB μ V] = 43.5
18.4 dB μ V = 61.9 dB μ V – 43.5 dB μ V

Derivative model [EME511-SP]

* Minimum limit margin is 10.2 dB at 2.03102 MHz. (Quasi-peak)





NO	FREQ	READING QP	READING CAV	C.FACTOR	RESULT QP	RESULT CAV	LIMIT QP	LIMIT CAV	MARGIN QP	MARGIN CAV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.24407	32.9	26.4	9.8	42.7	36.2	62.0	52.0	19.3	15.8	N (-)
2	0.40670	34.4	25.7	10.0	44.4	35.7	57.7	47.7	13.3	12.0	N (-)
3	1.38484	35.7	22.0	10.1	45.8	32.1	56.0	46.0	10.2	13.9	N (-)
4	2.03102	35.7	22.4	10.1	45.8	32.5	56.0	46.0	10.2	13.5	N (-)
5	2.68652	34.6	22.3	10.1	44.7	32.4	56.0	46.0	11.3	13.6	N (-)
6	9.93953	33.5	23.4	10.6	44.1	34.0	60.0	50.0	15.9	16.0	N (-)
7	17.71621	36.2	27.9	10.9	47.1	38.8	60.0	50.0	12.9	11.2	N (-)
8	0.24362	33.2	27.1	9.8	43.0	36.9	62.0	52.0	19.0	15.1	L1 (+)
9	0.40657	34.2	25.3	10.0	44.3	35.3	57.7	47.7	13.4	12.4	L1 (+)
10	1.38484	35.1	20.6	10.0	45.1	30.6	56.0	46.0	10.9	15.4	L1 (+)
11	2.11332	34.7	21.7	10.0	44.6	31.6	56.0	46.0	11.4	14.4	L1 (+)
12	2.68452	33.7	20.7	10.0	43.6	30.7	56.0	46.0	12.4	15.3	L1 (+)
13	9.93204	34.4	20.0	10.5	44.9	30.4	60.0	50.0	15.1	19.6	L1 (+)
14	17.76309	33.9	25.6	10.7	44.6	36.3	60.0	50.0	15.4	13.7	L1 (+)

* Remark: “L1”: (Line), “N”: (Neutral)
* Results [dB(μV)] = Reading [dB(μV)] + C.FACTOR [dB]
* C.FACTOR [dB] = LISN insertion Loss [dB] + Cable loss [dB] + Pulse limiter factor [dB]
* Margin [dB] =Limit [dB(μV)] - Result [dB(μV)]
* QP: Quasi-peak , CAV: CISPR Average

* ex) Measure Value[QP]
Frequency: 0.24407 MHz
Results [dB μ V] = 42.7, Reading [dB μ V] = 32.9, C.FACTOR [dB]= 9.8
42.7 dB μ V = 32.9 dB μ V + 9.8 dB
Margin [dB μ V] = 19.3, Limit[dB μ V] = 62.0, Result [dB μ V] = 42.7
19.3 dB μ V = 62.0 dB μ V – 42.7 dB μ V

6.2 Radiated emission (30 MHz ~ 1 000 MHz)

Test standard	**47 CFR FCC Part 15 Subpart B §15.109**
Test date	2024.02.19
Test facility	Building A 10 m chamber
Test voltage	AC 120 V, 60 Hz
Temperature	(17.3 ~ 17.7) °C
Relative humidity	(47.2 ~ 47.6) % R.H.
Test result	Complied

6.2.1 Measurement procedure

If the EUT is tabletop equipment, it was placed on a wooden table with a height of 0.8 m above the reference ground plane and 3 m away from the interference receiving antenna in the 10 m semi-anechoic chamber.

Also if the EUT is floor-standing equipment, it was placed either directly on the reference ground plane or on insulating material as described in ANSI C 63.4 6.3.3.2. Rotate the EUT from (0 - 360)° and position the receiving antenna at heights from (1 - 4) m above the reference ground plane continuously to determine associated with higher emission levels and record them.

The measurement was made in both the vertical and horizontal polarization, and the maximum value is presented in the report. For 30 MHz ~ 1 000 MHz frequency range, quasi-peak detector with 120 kHz RBW was used.

6.2.2 Test equipment used

Equipment	Model	Manufacturer	Serial number	Next cal. date
EMI Test Receiver	ESW44	R&S	101839	2024.05.31
Low Noise Preamplifier	MLA-10k01-b01-14	TSJ	2060297	2024.05.31
Bi-Log Antenna	VULB9168	Schwarzbeck	00822	2025.03.09
Attenuator	50FPE-006N	JFW	6 dB-1	2025.03.09
Controller	CO3000	Innco	45450119	-
Antenna Mast	MA4000-EP	Innco	-	-
Turn Table	-	-	-	-
EMI RE Software	EMI-R	TSJ	-	-

* All test equipment used is calibrated on a regular basis.

6.2.3 Radiated emission limit

- The test frequency range of radiated disturbance measurements are listed below

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 108	1 000
108 - 500	2 000
500 - 1 000	5 000
Above 1 000	5th harmonic of the highest frequency or 40 GHz, whichever is lower

- Limit for radiated emission below 1 000 MHz

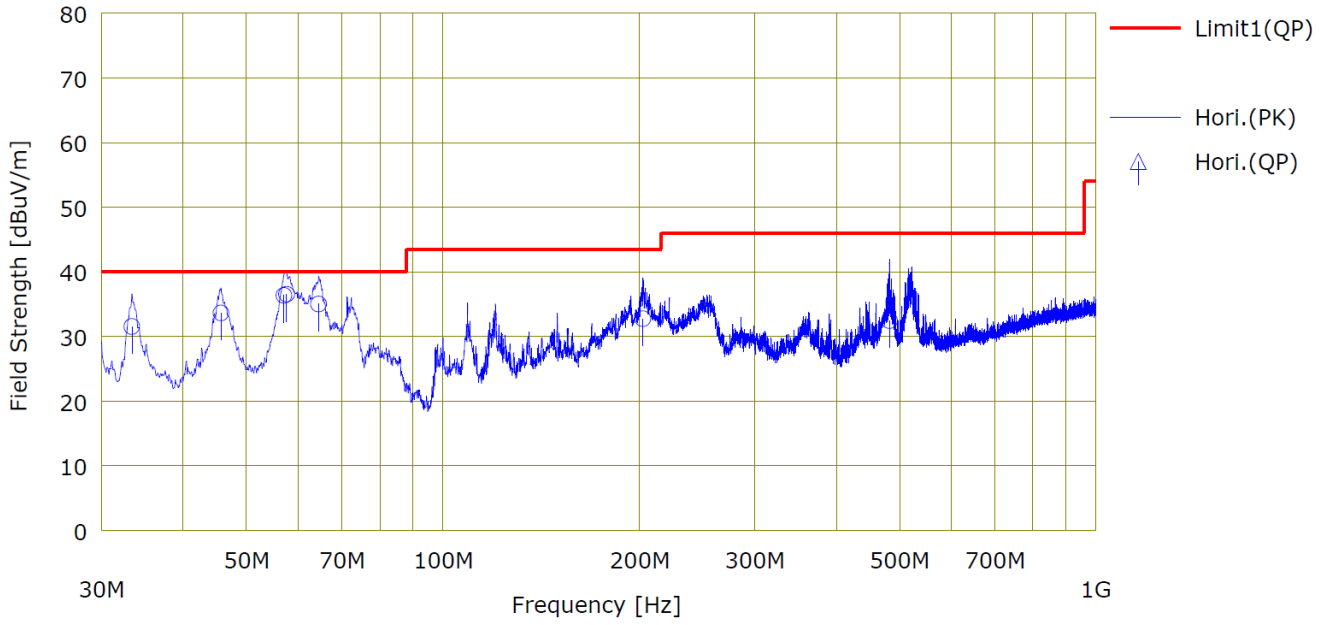
Frequency range (MHz)	Class A Equipment (10 m distance)	Class B Equipment (3 m distance)
	Quasi-peak (dB(μV/m))	Quasi-peak (dB(μV/m))
30 to 88	39.1	40
88 to 216	43.5	43.5
216 to 960	46.4	46
960 to 1 000	49.5	54

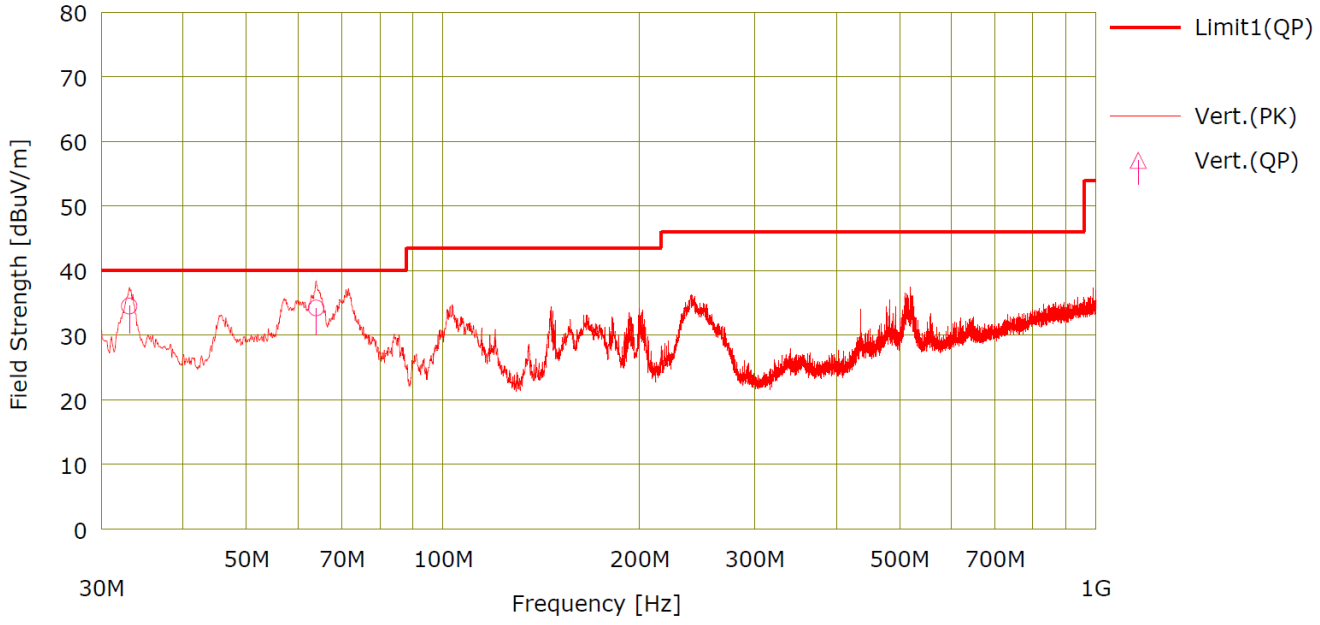
Note 1 The lower limit shall apply at the transition frequency.
Note 2 Additional provisions may be required for cases where interference occurs.
Note 3 According to 15.109(g), as an alternative to the radiated emission limit shown above, digital devices may be shown to comply with the standards(CISPR), Pub. 22 shown as below.

6.2.4 Radiated emission test data

Basic model [EME511-KP]

* Minimum limit margin is 3.5 dB at 57.648 MHz. (Horizontal)





<< QP DATA >>

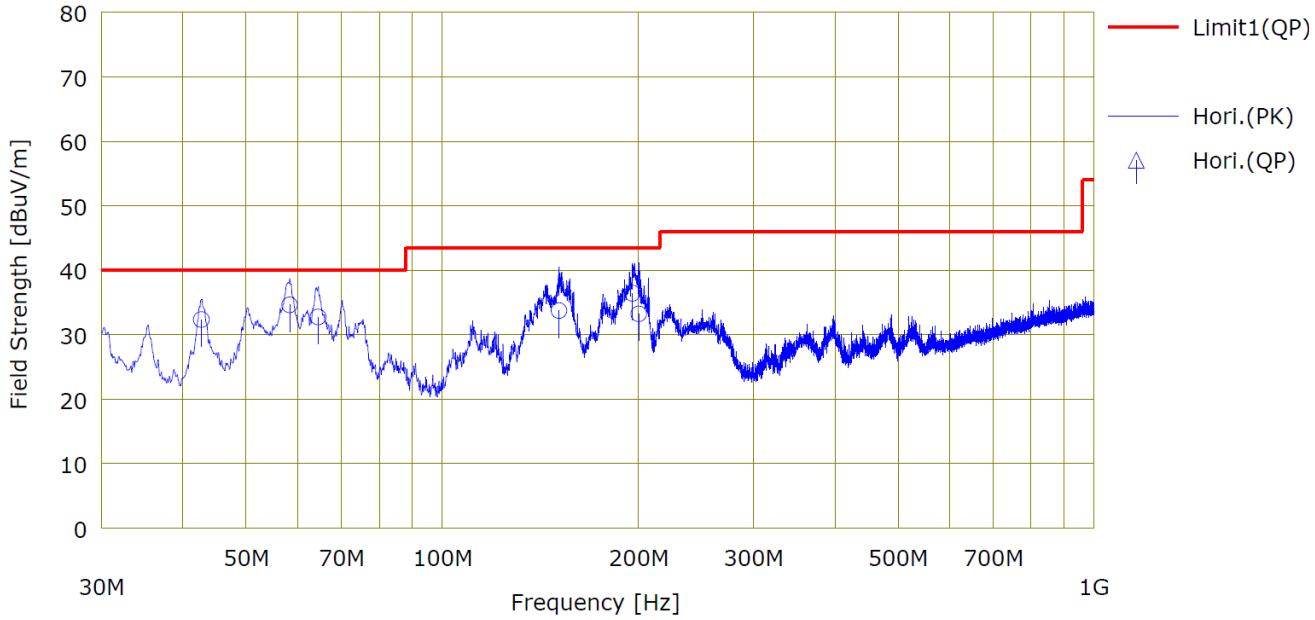
No.	Freq.	Readin <QP>	Ant.Fac	Loss	Gain	Result <QP>	Limit <QP>	Margin <QP>	Pola.	Height	Angle	Ant. Type
	[MHz]	[dBuV]	[dB/m]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[H/V]	[cm]	[deg]	
1	33.397	50.8	18.8	-38.0	0.0	31.5	40.0	8.5	Hori.	400	0	VULB9
2	45.713	51.6	19.7	-37.8	0.0	33.6	40.0	6.4	Hori.	400	79	VULB9
3	57.069	54.7	19.2	-37.6	0.0	36.3	40.0	3.7	Hori.	300	74	VULB9
4	57.648	54.9	19.2	-37.6	0.0	36.5	40.0	3.5	Hori.	300	67	VULB9
5	64.532	54.2	18.3	-37.5	0.0	35.0	40.0	5.0	Hori.	300	301	VULB9
6	202.462	52.6	16.5	-36.4	0.0	32.7	43.5	10.8	Hori.	100	21	VULB9
7	482.594	44.3	23.2	-35.1	0.0	32.4	46.0	13.6	Hori.	200	114	VULB9
8	33.105	53.8	18.8	-38.0	0.0	34.5	40.0	5.5	Vert.	100	299	VULB9
9	63.954	53.3	18.4	-37.5	0.0	34.2	40.0	5.8	Vert.	100	354	VULB9

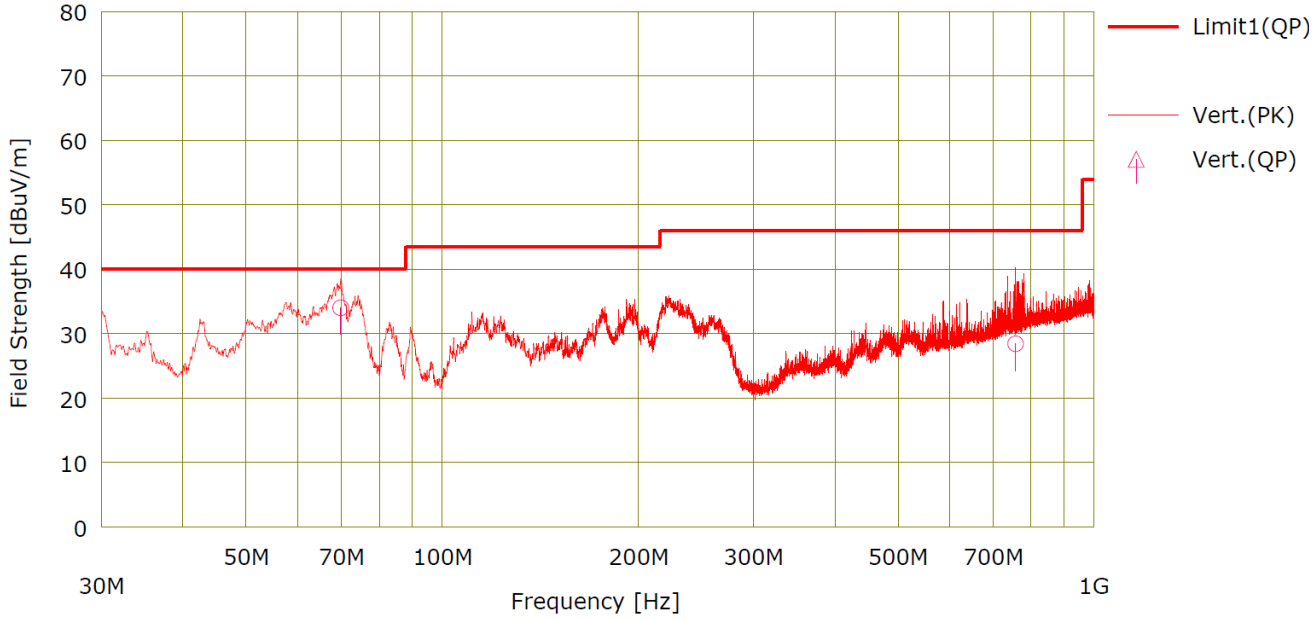
* Results [dB(μV/m)] = Reading [dB(μV)] + Antenna factor [dB/m] - Loss
* Loss = Cable loss [dB] - Amp gain [dB]
* Margin [dB] = Limit [dB(μV/m)] - Results [dB(μV/m)]
* QP: Quasi-peak

* ex) Measure Value[QP]
Frequency: 33.397 MHz
Results [dB μ V/m] = 31.5, Reading [dB μ V/m] = 50.8, Antenna factor [dB/m] = 18.8, Loss [dB] = - 38.0, Amp gain [dB] = 0.0
31.5 dB μ V/m = 50.8 dB μ V/m + 18.8 dB/m – 38.0 dB – 0.0 dB
Margin [dB μ V/m] = 8.5, Limit [dB μ V/m] = 40.0, Result [dB μ V/m] = 31.5
8.5 dB μ V/m = 40.0 dB μ V/m – 31.5 dB μ V/m

Derivative model [EME511-SP]

* Minimum limit margin is 5.4 dB at 58.324 MHz. (Horizontal)





<< QP DATA >>

No.	Freq.	Readin <QP>	Ant.Fac	Loss	Gain	Result <QP>	Limit <QP>	Margin <QP>	Pola.	Height	Angle	Ant. Type
	[MHz]	[dBuV]	[dB/m]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[H/V]	[cm]	[deg]	
1	42.709	50.6	19.5	-37.8	0.0	32.3	40.0	7.7	Hori.	400	271	VULB9
2	58.324	53.1	19.1	-37.6	0.0	34.6	40.0	5.4	Hori.	300	182	VULB9
3	64.531	51.9	18.3	-37.5	0.0	32.7	40.0	7.3	Hori.	300	290	VULB9
4	151.049	51.2	19.1	-36.6	0.0	33.7	43.5	9.8	Hori.	100	355	VULB9
5	195.778	56.1	16.7	-36.4	0.0	36.4	43.5	7.1	Hori.	100	360	VULB9
6	200.126	52.8	16.8	-36.4	0.0	33.2	43.5	10.3	Hori.	100	352	VULB9
7	69.868	54.4	17.0	-37.4	0.0	34.0	40.0	6.0	Vert.	100	221	VULB9
8	757.817	34.5	27.5	-33.6	0.0	28.4	46.0	17.6	Vert.	200	278	VULB9

* Results [dB(μV/m)] = Reading [dB(μV)] + Antenna factor [dB/m] - Loss
* Loss = Cable loss [dB] - Amp gain [dB]
* Margin [dB] = Limit [dB(μV/m)] - Results [dB(μV/m)]
* QP: Quasi-peak

* ex) Measure Value[QP]
Frequency: 42.709 MHz
Results [dB μ V/m] = 32.3, Reading [dB μ V/m] = 50.6, Antenna factor [dB/m] = 19.5, Loss [dB] = - 37.8, Amp gain [dB] = 0.0
32.3 dB μ V/m = 50.6 dB μ V/m + 19.5 dB/m – 37.8 dB – 0.0 dB
Margin [dB μ V/m] = 7.7, Limit [dB μ V/m] = 40.0, Result [dB μ V/m] = 32.3
7.7 dB μ V/m = 40.0 dB μ V/m – 32.3 dB μ V/m

6.3 Radiated emission (Above 1 GHz)

Test standard	**47 CFR FCC Part 15 Subpart B §15.109**
Test date	-
Test facility	-
Test voltage	-
Temperature	-
Relative humidity	-
Test result	Not applicable

6.3.1 Measurement procedure

If the EUT is tabletop equipment, it was placed on a wooden table with a height of 0.1 m above the reference ground plane and 3 m away from the interference receiving antenna in the 10 m chamber. Also if the EUT is floor-standing equipment, it was placed either directly on the reference ground plane or on insulating material as described in ANSI C 63.4 6.3.3.2. Rotate the EUT from (0 - 360)° and position the receiving antenna at heights from (1 - 4) m above the reference ground plane continuously to determine associated with higher emission levels and record them.
The measurement was made in both the vertical and horizontal polarization, and the maximum value is presented in the report. For peak and average detector with 1 MHz RBW were used for above 1 GHz frequency range.

6.3.2 Test equipment used

Equipment	Model	Manufacturer	Serial number	Next cal. date
-	-	-	-	-

* All test equipment used is calibrated on a regular basis

6.3.3 Radiated emission limits

Frequency (GHz)	Class A equipment (3 m distance) (dB(μV/m))		Class B equipment (3 m distance) (dB(μV/m))	
Above 1	Peak	CISPR Average	Peak	CISPR Average
	80	60	74	54

6.3.4 Radiated emission test data

N/A

- END -