Certificate

Issue Date: March 17, 2023
Ref. Report No. ISL-23LE0131FCCIC

Product Name	:	Jabra PanaCast 50 Video Bar System
Main Model	:	VTD040; VTD041
Applicant	:	GN Audio A/S
Address	:	Lautrupbjerg 7, 2750 Ballerup, Denmark

We, **International Standards Laboratory Corp.**, hereby certify that:

The sample ISL received which bearing the trade name and model specified above has shown to comply with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified. (refer to Test Report if any modifications were made for compliance). And Our laboratories is the accredited laboratories and are approved according to ISO/IEC 17025.

Standards:

FCC CFR Title 47 Part 15 Subpart B: Section 15.107 and 15.109
ANSI C63.4-2014
Industry Canada Interference-Causing Equipment Standard ICES-003 Issue 7: 2020
Class B

I attest to the accuracy of data and all measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.
The determination of the test results is determined by customer agreement, regulations or standard document specifications.
The Laboratory evaluates measurement inaccuracies based on regulatory or standard document specifications and is listed in the report for reference. The quantitative project part judges the conformity of the test results based on the evaluation results of the standard cited uncertainty, and the qualitative project does not temporarily evaluate the measurement uncertainty.

Angus Chu

Angus Chu / Sr. Manager

International Standards Laboratory Corp. LT Lab.
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No. 120, Lane 180, Hsin Ho Rd., Lung-Tan Dist., Tao Yuan City 325, Taiwan

TEST REPORT

of

CFR 47 Part 15 Subpart B Class B
&
Industry Canada Interference-Causing Equipment Standard ICES-003 Class B

Application Type: Supplier's Declaration of Conformity

Product:	**Jabra PanaCast 50 Video Bar System**
Main Model:	**VTD040; VTD041**
Applicant:	**GN Audio A/S**
Address:	**Lautrupbjerg 7, 2750 Ballerup, Denmark**

Test Performed by:
FCC Designation Number: TW1036
International Standards Laboratory Corp. LT Lab.
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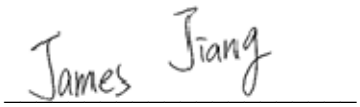
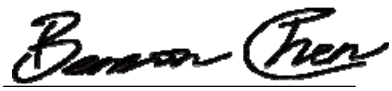
Report No.: **ISL-23LE0131FCCIC**
Issue Date : **March 17, 2023**

Testing Laboratory
0997

Contents of Report

1. General

1.1 Certification of Accuracy of Test Data

Standards:	FCC CFR Title 47 Part 15 Subpart B: Section 15.107 and 15.109 ANSI C63.4-2014 Industry Canada Interference-Causing Equipment Standard ICES-003 Issue 7: 2020 Class B
Equipment Tested:	Jabra PanaCast 50 Video Bar System
Main Model:	VTD040; VTD041
Applicant:	GN Audio A/S
Sample received Date:	February 21, 2023
Final test Date:	refer to the date of test data
Test Site:	Chamber 02; Chamber 14; Conduction 02
Test Distance:	10m; 3m (above 1GHz)
Temperature:	refer to each site test data
Humidity:	refer to each site test data
Input power:	Conduction input power: AC 120 V / 60 Hz Radiation input power: AC 120 V / 60 Hz
Test Result:	**PASS**
Report Engineer:	Kelly YL Chen
Test Engineer:	 James Jiang
Approved By:	 Benson Chen / Manager

1.2 Description of EUT

EUT

Description	Jabra PanaCast 50 Video Bar System
Main Model	VTD040; VTD041
Condition	Pre-Production
Serial Number	N/A
Maximum Operating Frequency	2.4GHz

The devices can be installed inside the EUT are listed below:

Component	Vendor	Model
Main Board	HANNSTAR/GCE	211036-1B
Panel	WOK	P91.0E045.0001
WIFI/BT module	AzureWave	AW-CM358
POE adapter	Wang Huei Electronic Technology	WH-EN15G-5B

The I/O ports of EUT are listed below:

I/O Port Type	Quantity
POE LAN port (power only)	1
TYPE-C port (engineer use)	1

Test Configuration:

Configuration	Mode
1	EUT play video

Model Difference:

Model	Market
VTD040; VTD041	Difference Market

EMI Noise Source:

Refer to the photo	Main Boar Crystal	Point
EUT-11	32.708KHz	OSC2901
EUT-12	24MHz	X501
EUT-13	25MHz	X1401
EUT-14	32.768KHz	X801

EMI Solution:
Please refer to the technical documents.

1.3 Description of Support Equipment

No	Unit	Model Serial No.	Brand	Power Cord	FCC ID
1	Tablet PC	SGP311 S/N: N/A	SONY	Non-shielded	FCC DOC

1.4 Software for Controlling Support Unit

Test programs exercising various part of EUT were used. The programs were executed as follows:

1. Receive and transmit packet of EUT to Tablet PC through EUT WLAN/BT Module.
2. Receive and transmit packet (Bluetooth) of EUT to Tablet PC through EUT WLAN/BT Module.
3. Play H pattern from EUT.
4. Repeat the above steps.

	Filename
EUT	H pattern

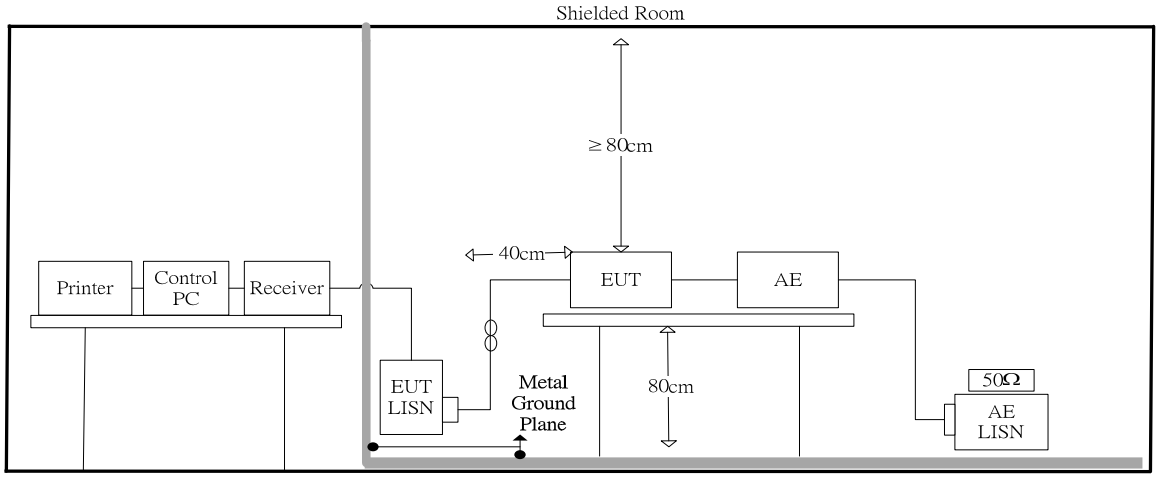
1.5 I/O Cable Condition of EUT and Support Units

Description	Path	Length	Shielding	Core	Remark
AC power cable	100~240V to POE Adapter	1.8m	No	No	
Type-C Cable	EUT TYPE-C port with dummy	1.0m	Yes	No	
LAN Cable	EUT POE LAN port to POE Adapter	3.0m	No	No	Cat 5e

2. Power Line Conducted Emissions

2.1 Test Setup and Procedure

2.1.1 Test Setup



2.1.2 Test Procedure

The measurements are performed in a shielded room test site. The EUT was placed on non-conduction 1.0m x 1.5m table, which is 0.8 meters above an earth-grounded.

Power to the EUT was provided through the LISN which has the Impedance (50ohm/50uH) vs. Frequency Characteristic in accordance with the standard. Power to the LISNs were filtered to eliminate ambient signal interference and these filters were bonded to the ground plane. Peripheral equipment required to provide a functional system (support equipment) for EUT testing was powered from the second LISN through a ganged, metal power outlet box which is bonded to the ground plane at the LISN.

The interconnecting cables were arranged and moved to get the maximum measurement. Both the line of power cord, hot and neutral, were measured. All of the interface cables were manipulated according to ANSI C63.4 requirements.

The highest emissions were analyzed in details by operating the spectrum analyzer in fixed tuned mode to determine the nature of the emissions and to provide information which could be useful in reducing their amplitude.

2.1.3 EMI Receiver/Spectrum Analyzer Configuration (for the frequencies tested)

Frequency Range:	150kHz~30MHz
Detector Function:	Quasi-Peak / Average Mode
Resolution Bandwidth:	9kHz

2.1.4 Limit

Conducted emissions limits of Class_A equipment. (AC mains power terminals):

Frequency range (MHz)	Quasi-peak (dBμV)	Average (dBμV)
0.15-0.50	79	66
0.50-5.0	73	60
5.0-30	73	60

Note 1: Conducted emissions limits of FCC CFR Title 47 Part 15 Subpart B & Industry Canada Interference-Causing Equipment Standard ICES-003 are same.
Note2: The more stringent limit applies at transition frequencies.

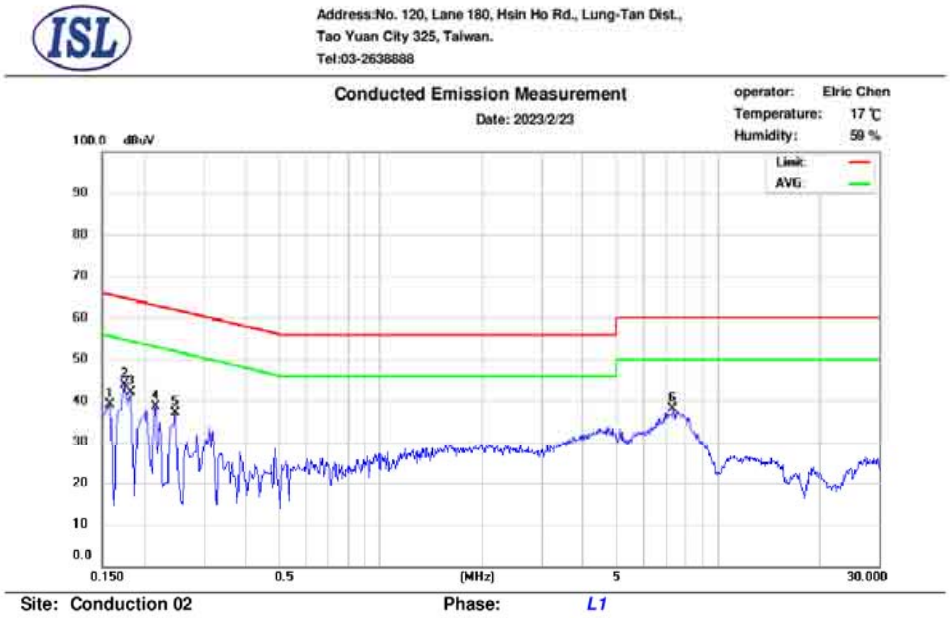
Conducted emissions limits of Class_B equipment. (AC mains power terminals):

Frequency range (MHz)	Quasi-peak (dBμV)	Average (dBμV)
0.15-0.50	66 to 56*	56-46*
0.50-5.0	56	46
5.0-30	60	50
*The limit level in dBμV decreases linearly with the logarithm of frequency.		

Note 1: Conducted emissions limits of FCC CFR Title 47 Part 15 Subpart B & Industry Canada Interference-Causing Equipment Standard ICES-003 are same.
Note2: The more stringent limit applies at transition frequencies.

2.2 Conduction Test Data: Configuration 1

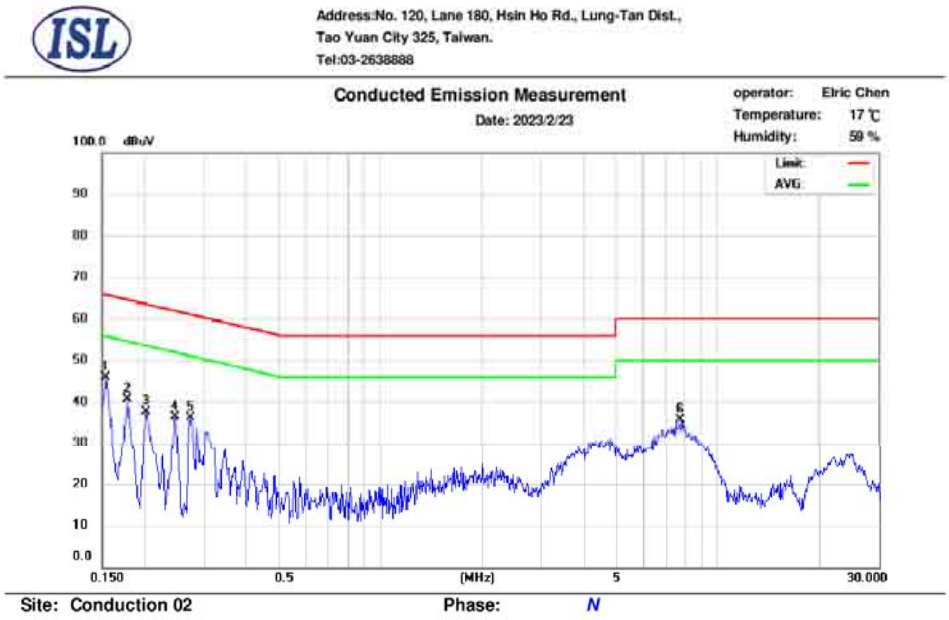
- Line



No.	Frequency (MHz)	QP_R (dBuV)	AVG_R (dBuV)	Correct Factor (dB)	QP Emission (dBuV)	QP Limit (dBuV)	QP Margin (dB)	AVG Emission (dBuV)	AVG Limit (dBuV)	AVG Margin (dB)
1	0.157	33.63	14.66	9.64	43.27	65.62	-22.35	24.30	55.62	-31.32
2	0.174	32.39	13.88	9.64	42.03	64.77	-22.74	23.52	54.77	-31.25
3	0.182	30.64	11.23	9.64	40.28	64.39	-24.11	20.87	54.39	-33.52
4	0.214	26.12	11.75	9.65	35.77	63.05	-27.28	21.40	53.05	-31.65
5	0.246	23.45	14.55	9.65	33.10	61.89	-28.79	24.20	51.89	-27.69
6	7.358	24.32	16.14	9.83	34.15	60.00	-25.85	25.97	50.00	-24.03

Note:
Margin = QP/AVG Emission - Limit
QP/AVG Emission = QP_R/AVG_R + Correct Factor
Correct Factor = LISN Loss + Cable Loss
A margin of -8dB means that the emission is 8dB below the limit
The frequency spectrum graph is for final peak graph, and the attached table is for QP/AVG test result.
If peak data can pass, it will be shown in “QP/AVG Correct” column, if not, QP/AVG data will instead.
The CISPR 22 limits would be applied to all FCC Part 15 devices.

- Neutral



No.	Frequency (MHz)	QP_R (dBuV)	AVG_R (dBuV)	Correct Factor (dB)	QP Emission (dBuV)	QP Limit (dBuV)	QP Margin (dB)	AVG Emission (dBuV)	AVG Limit (dBuV)	AVG Margin (dB)
1	0.154	33.95	15.33	9.63	43.58	65.78	-22.20	24.96	55.78	-30.82
2	0.178	29.41	16.02	9.63	39.04	64.58	-25.54	25.65	54.58	-28.93
3	0.202	26.59	10.02	9.63	36.22	63.53	-27.31	19.65	53.53	-33.88
4	0.246	24.15	13.93	9.64	33.79	61.89	-28.10	23.57	51.89	-28.32
5	0.274	24.39	19.31	9.64	34.03	61.00	-26.97	28.95	51.00	-22.05
6	7.754	21.23	13.26	9.85	31.08	60.00	-28.92	23.11	50.00	-26.89

Note:
Margin = QP/AVG Emission - Limit
QP/AVG Emission = QP_R/AVG_R + Correct Factor
Correct Factor = LISN Loss + Cable Loss
A margin of -8dB means that the emission is 8dB below the limit
The frequency spectrum graph is for final peak graph, and the attached table is for QP/AVG test result.
If peak data can pass, it will be shown in “QP/AVG Correct” column, if not, QP/AVG data will instead.
The CISPR 22 limits would be applied to all FCC Part 15 devices.

2.3 Test Setup Photo

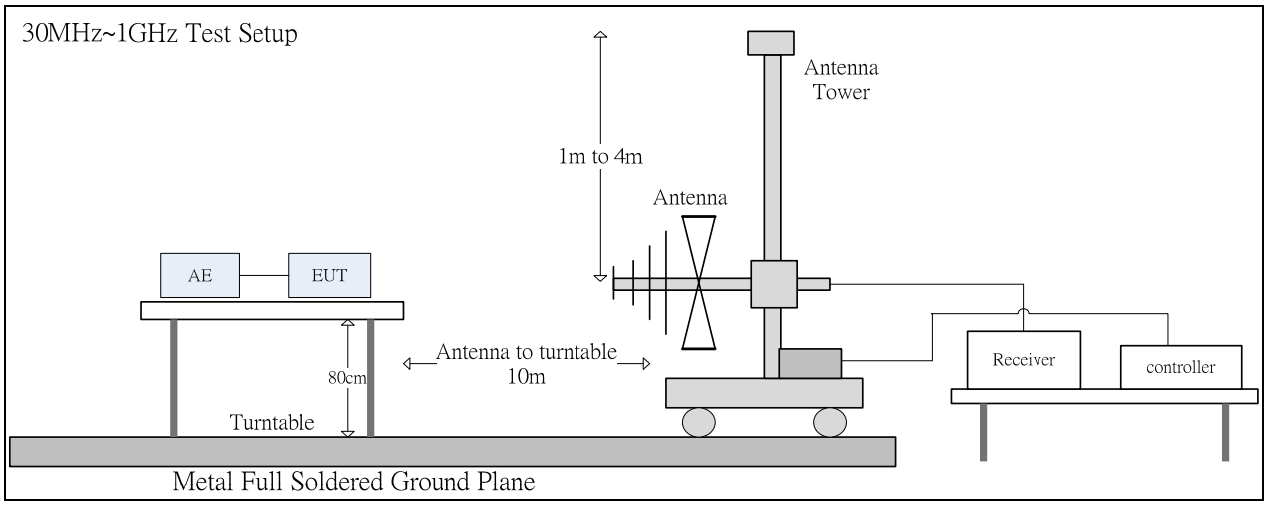
Front View

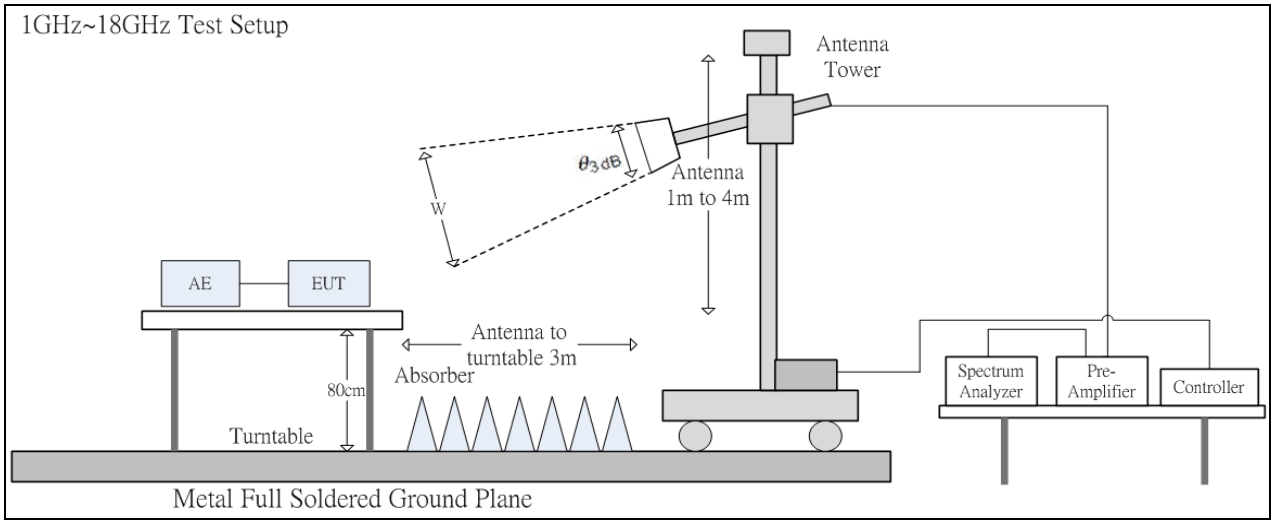
Back View

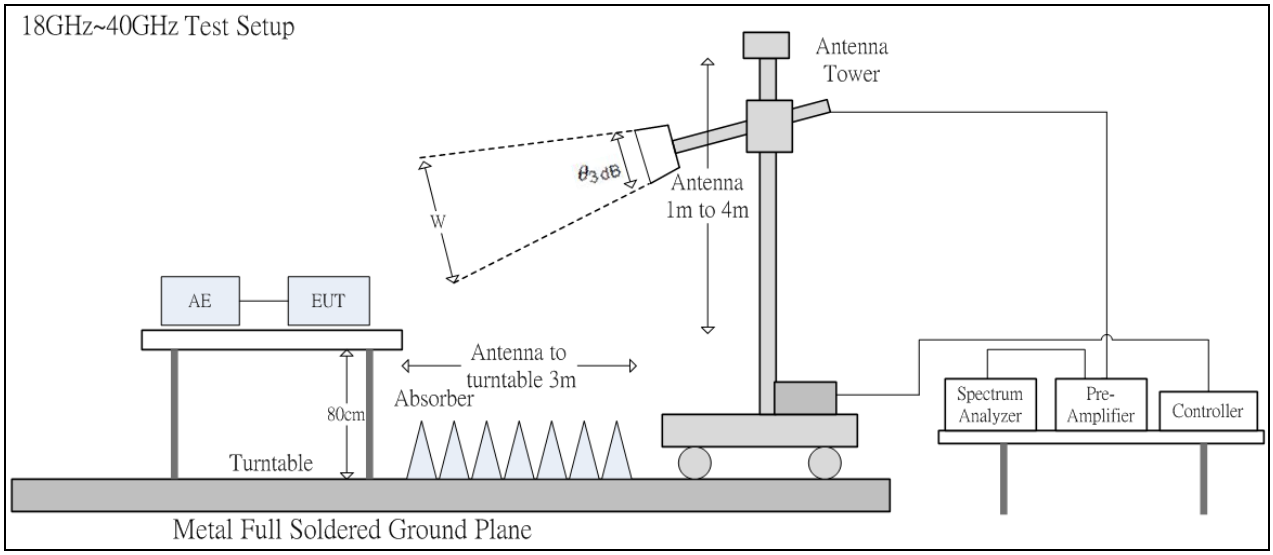
3. Radiated Emissions

3.1 Test Setup and Procedure

3.1.1 Test Setup







The 3dB beam width of the horn antenna used for the test is as shown in the table below.

1GHz~18GHz

Frequency GHz	E-plane	H-plane	$\theta_{3\,dB}$(min)	d= 3 m
				w (m)
1	88°	147°	88°	5.79
2	68°	119°	68°	4.04
3	73°	92°	73°	4.44
4	70°	89°	70°	4.20
5	55°	60°	55°	3.12
6	63°	62°	62°	3.60
7	48°	49°	48°	2.67
8	39°	46°	39°	2.12
9	32°	42°	32°	1.72
10	30°	39°	30°	1.61
11	32°	35°	32°	1.72
12	35°	32°	35°	1.89
13	34°	31°	31°	1.66
14	32°	27°	27°	1.44
15	36°	26°	26°	1.39
16	40°	28°	28°	1.50
17	43°	26°	26°	1.39
18	41°	22°	22°	1.17

18 GHz~26.5 GHz

Frequency GHz	E-plane	H-plane	$\theta_{3\,dB}$(min)	d= 1 m	d= 3 m
				w (m)	w (m)
18	11.4°	12.7°	11.4°	0.199	0.598
19	10.9°	12.4°	10.9°	0.190	0.572
20	10.8°	12.4°	10.8°	0.189	0.567
21	9.8°	12°	9.8°	0.171	0.514
22	9.7°	11°	9.7°	0.169	0.509
23	10°	11.8°	10°	0.174	0.524
24	9°	11°	9°	0.157	0.472
25	10°	12.3°	10°	0.174	0.524
26	9.9°	11.1°	9.9°	0.173	0.519
26.5	9.4°	11.3°	9.4°	0.164	0.493

26 GHz~40 GHz

Frequency GHz	E-plane	H-plane	$\theta_{3\,dB}$ (min)	d= 1 m	d= 3 m
				w (m)	w (m)
26	12°	12.2°	12°	0.210	0.631
27	13°	10.5°	10.5°	0.184	0.551
28	13.2°	12.3°	12.3°	0.216	0.647
29	11.5°	12.8°	11.5°	0.201	0.604
30	12°	8°	8°	0.140	0.420
31	11.5°	10.1°	10.1°	0.177	0.530
32	11.8°	10°	10°	0.175	0.525
33	11.8°	9.5°	9.5°	0.166	0.499
34	11.6°	10°	10°	0.175	0.525
35	10.9°	9.8°	9.8°	0.171	0.514
36	11.8°	8.6°	8.6°	0.150	0.451
37	12.9°	10.5°	10.5°	0.184	0.551
38	12°	10.3°	10.3°	0.180	0.541
39	11.8°	9.8°	9.8°	0.171	0.514
40	12.5°	11.2°	11.2°	0.196	0.588

3.1.2 Test Procedure

The radiated emissions test will then be repeated on the chamber to measure the amplitudes accurately and without the multiple reflections existing in the shielded room. The EUT and support equipment are set up on the turntable of one of 10 meter chamber. Desktop EUT are set up on a wooden stand 0.8 meter above the ground or floor-standing arrangement shall be placed on the horizontal ground reference plane. The test volume for a height of up to 30 cm may be obstructed by absorber placed on the ground plane.

For the initial measurements, the receiving antenna is varied from 1-4 meter height and is changed in the vertical plane from vertical to horizontal polarization at each frequency. The highest emissions between 30 MHz to 1000 MHz were analyzed in details by operating the spectrum analyzer and/or EMI receiver in quasi-peak mode to determine the precise amplitude of the emissions. The highest emissions between 1 GHz to 40 GHz were analyzed in details by operating the spectrum analyzer in peak and average mode to determine the precise amplitude of the emissions.

Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the antenna in the cone of radiation from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response. At the highest amplitudes observed, the EUT is rotated in the horizontal plane while changing the antenna polarization in the vertical plane to maximize the reading. The interconnecting cables were arranged and moved to get the maximum measurement. Once the maximum reading is obtained, the antenna elevation and polarization will be varied between specified limits to maximize the readings. All of the interface cables were manipulated according to ANSI C63.4 requirements.

The highest internal source of the EUT is defined as the highest frequency generated or used within the EUT or on which the EUT operates or tunes. If the highest frequency of the internal sources of the EUT is less than 108 MHz, the measurement shall only be made up to 1 GHz. If the highest frequency of the internal sources of the EUT is between 108 MHz and 500 MHz, the measurement shall only be made up to 2 GHz. If the highest frequency of the internal sources of the EUT is between 500 MHz and 1 GHz, the measurement shall only be made up to 5 GHz. If the highest frequency of the internal sources of the EUT is above 1 GHz, the measurement shall be made up to 5 times the highest frequency or 40 GHz, whichever is less.

3.1.3 Spectrum Analyzer Configuration (for the frequencies tested)

Frequency Range:	30MHz--1000MHz
Detector Function:	Quasi-Peak Mode
Resolution Bandwidth:	120kHz

Frequency Range:	Above 1000MHz
Detector Function:	Peak/Average Mode
Resolution Bandwidth:	1MHz

3.1.4 Limit

Radiated emissions limits of Class_A equipment. (30 MHz to 1 GHz)

Frequency range (MHz)	FCC Part 15 Subpart B 15.109(g)	ICES-003
	at 10 m distance Quasi-peak (dBμV/m)	at 10 m distance Quasi-peak (dBμV/m)
30-88	40	40.0
88-216	40	43.5
216-230	40	46.4
230-960	47	47.0
960-1000	47	49.5

Note 1: The test limit in this report is based on FCC CFR Title 47 Part 15 Subpart B 15.109(g).
Note 2: The more stringent limit applies at transition frequencies.
Note 3: Test data in this report has been taken against the FCC CFR Title 47 Part 15 Subpart B 15.109(g) limit as it is the most stringent limit. By complying with the more restrictive Part 15 Subpart B 15.109(g) limit compliance with the Industry Canada Interference-Causing Equipment Standard ICES-003 limit is also demonstrated.

Radiated emission limits of Class_A equipment at 3 m distance (at and above 1 GHz)

Frequency range (GHz)	Average dB(μV/m)	Peak dB(μV/m)
1 – 40G	60	80

Note 1: Radiated emissions limits of FCC CFR Title 47 Part 15 Subpart B & Industry Canada Interference-Causing Equipment Standard ICES-003 are same.

Radiated emissions limits of Class_B equipment. (30 MHz to 1 GHz)

Frequency range (MHz)	FCC Part 15 Subpart B 15.109(g)	ICES-003
	at 10 m distance Quasi-peak (dBμV/m)	at 10 m distance Quasi-peak (dBμV/m)
30-88	30	30.0
88-216	30	33.1
216-230	30	35.6
230-960	37	37.0
960-1000	37	43.5

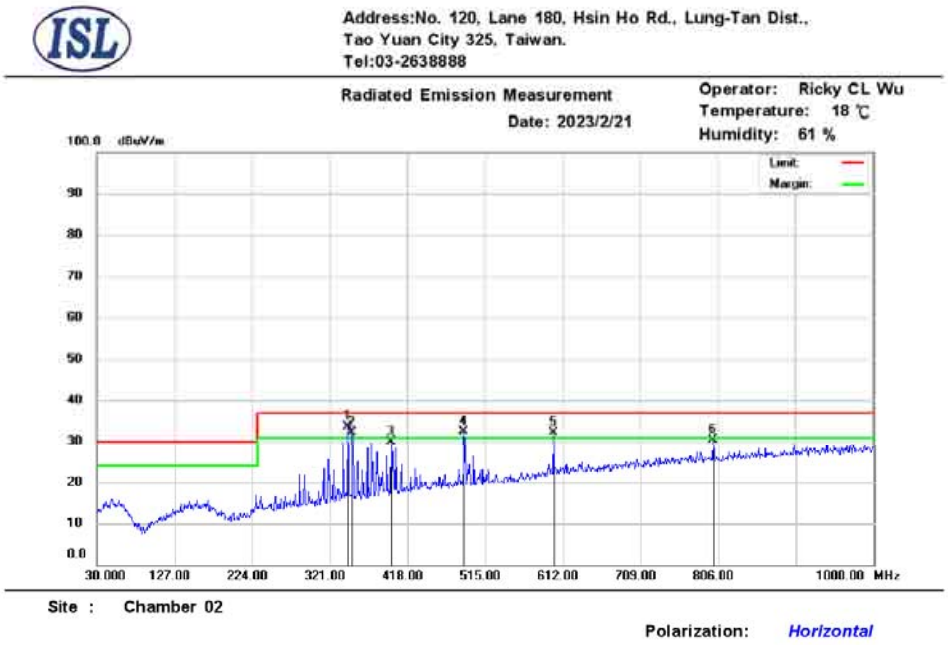
Note 1: The test limit in this report is based on FCC CFR Title 47 Part 15 Subpart B 15.109(g).
Note 2: The more stringent limit applies at transition frequencies.
Note 3: Test data in this report has been taken against the FCC CFR Title 47 Part 15 Subpart B 15.109(g) limit as it is the most stringent limit. By complying with the more restrictive Part 15 Subpart B 15.109(g) limit compliance with the Industry Canada Interference-Causing Equipment Standard ICES-003 limit is also demonstrated.

Radiated emission limits of Class_B equipment at 3 m distance (at and above 1 GHz)

Frequency range (GHz)	Average dB(μV/m)	Peak dB(μV/m)
1 – 40G	54	74

Note 1: Radiated emissions limits of FCC CFR Title 47 Part 15 Subpart B & Industry Canada Interference-Causing Equipment Standard ICES-003 are same.

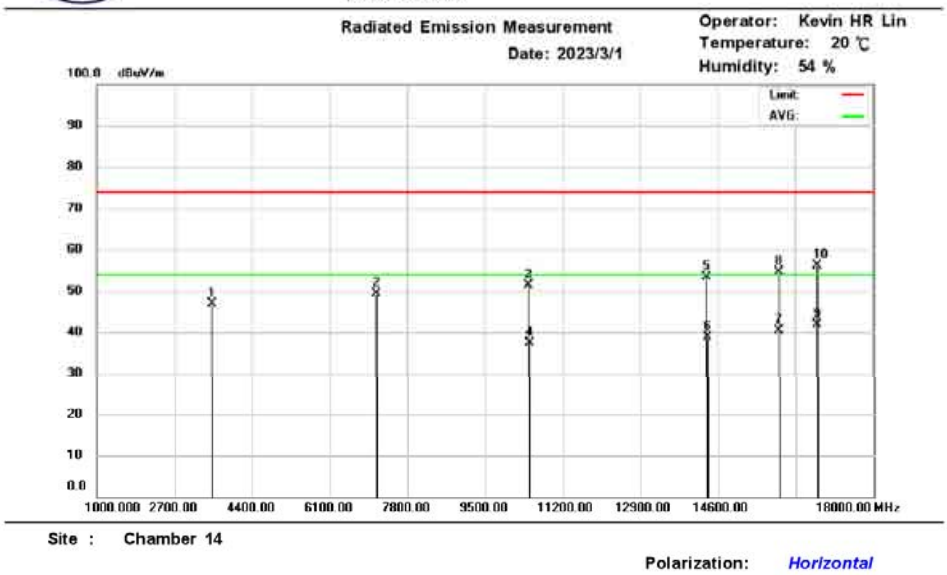
3.2 Radiation Test Data: Configuration 1
- Radiated Emissions (Horizontal)



Mk.	Frequency (MHz)	RX_R (dBuV)	Correct Factor(dB/m)	Emission (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Ant.Pos (cm)	Tab.Pos (deg.)	Detector
1	343.45	46.75	-13.07	33.68	37.00	-3.32	264	360	QP
2	349.13	45.28	-13.04	32.24	37.00	-4.76	265	360	peak
3	397.63	41.30	-11.39	29.91	37.00	-7.09	200	355	peak
4	488.81	41.91	-9.44	32.47	37.00	-4.53	165	0	peak
5	600.36	38.93	-6.81	32.12	37.00	-4.88	200	329	peak
6	800.18	33.89	-3.46	30.43	37.00	-6.57	100	250	peak

* Note:
Margin = Emission – Limit
Emission = Radiated Amplitude + Correct Factor
Correct Factor = Antenna Correction Factor + Cable Loss – Pre-Amplifier Gain
A margin of -8dB means that the emission is 8dB below the limit
Antenna Distance: 10 meters
The CISPR 22 limits would be applied to all FCC Part 15 devices.
If the peak measured value meets the QP limit, The QP value is inherently compliant.

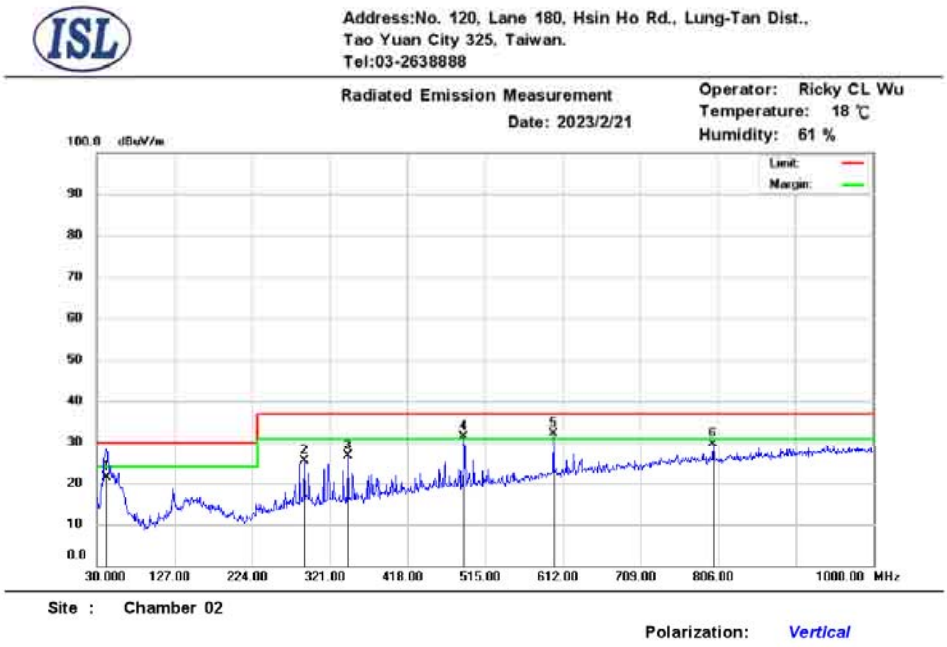
Address:No. 120, Lane 180, Hsin Ho Rd., Lung-Tan Dist.,
Tao Yuan City 325, Taiwan.
Tel:03-2638888



Mk.	Frequency (MHz)	RX_R (dBuV)	Correct Factor(dB/m)	Emission (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Ant.Pos (cm)	Tab.Pos (deg.)	Detector
1	3533.00	54.47	-7.70	46.77	74.00	-27.23	400	244	peak
2	7137.00	54.85	-5.44	49.41	74.00	-24.59	100	138	peak
3	10469.00	54.62	-3.24	51.38	74.00	-22.62	300	7	peak
4	10471.76	40.64	-3.25	37.39	54.00	-16.61	308	0	AVG
5	14362.00	56.41	-3.14	53.27	74.00	-20.73	300	143	peak
6	14371.85	42.08	-3.12	38.96	54.00	-15.04	294	155	AVG
7	15937.89	41.24	-0.82	40.42	54.00	-13.58	400	360	AVG
8	15943.00	55.33	-0.82	54.51	74.00	-19.49	377	360	peak
9	16785.55	42.13	-0.21	41.92	54.00	-12.08	400	32	AVG
10	16793.00	56.28	-0.18	56.10	74.00	-17.90	400	22	peak

* Note:
Margin = Emission – Limit
Emission = Radiated Amplitude + Correct Factor
Correct Factor = Antenna Correction Factor + Cable Loss – Pre-Amplifier Gain
A margin of -8dB means that the emission is 8dB below the limit
Antenna Distance: 3 meters
If the peak measured value meets the Average limit, The Average value is inherently compliant.

-Radiated Emissions (Vertical)



Mk.	Frequency (MHz)	RX_R (dBuV)	Correct Factor(dB/m)	Emission (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Ant.Pos (cm)	Tab.Pos (deg.)	Detector
1	41.78	38.60	-17.34	21.26	30.00	-8.74	200	123	QP
2	288.99	39.81	-14.40	25.41	37.00	-11.59	100	108	peak
3	343.31	39.76	-13.07	26.69	37.00	-10.31	100	21	peak
4	488.81	40.92	-9.44	31.48	37.00	-5.52	134	0	peak
5	600.36	39.03	-6.81	32.22	37.00	-4.78	300	165	peak
6	800.18	33.08	-3.46	29.62	37.00	-7.38	200	246	peak

* Note:
Margin = Emission – Limit
Emission = Radiated Amplitude + Correct Factor
Correct Factor = Antenna Correction Factor + Cable Loss – Pre-Amplifier Gain
A margin of -8dB means that the emission is 8dB below the limit
Antenna Distance: 10 meters
The CISPR 22 limits would be applied to all FCC Part 15 devices.
If the peak measured value meets the QP limit, The QP value is inherently compliant.

Address:No. 120, Lane 180, Hsin Ho Rd., Lung-Tan Dist.,
Tao Yuan City 325, Taiwan.
Tel:03-2638888

Radiated Emission Measurement
Date: 2023/3/1

Operator: Kevin HR Lin
Temperature: 20 ℃
Humidity: 54 %

Site : Chamber 14

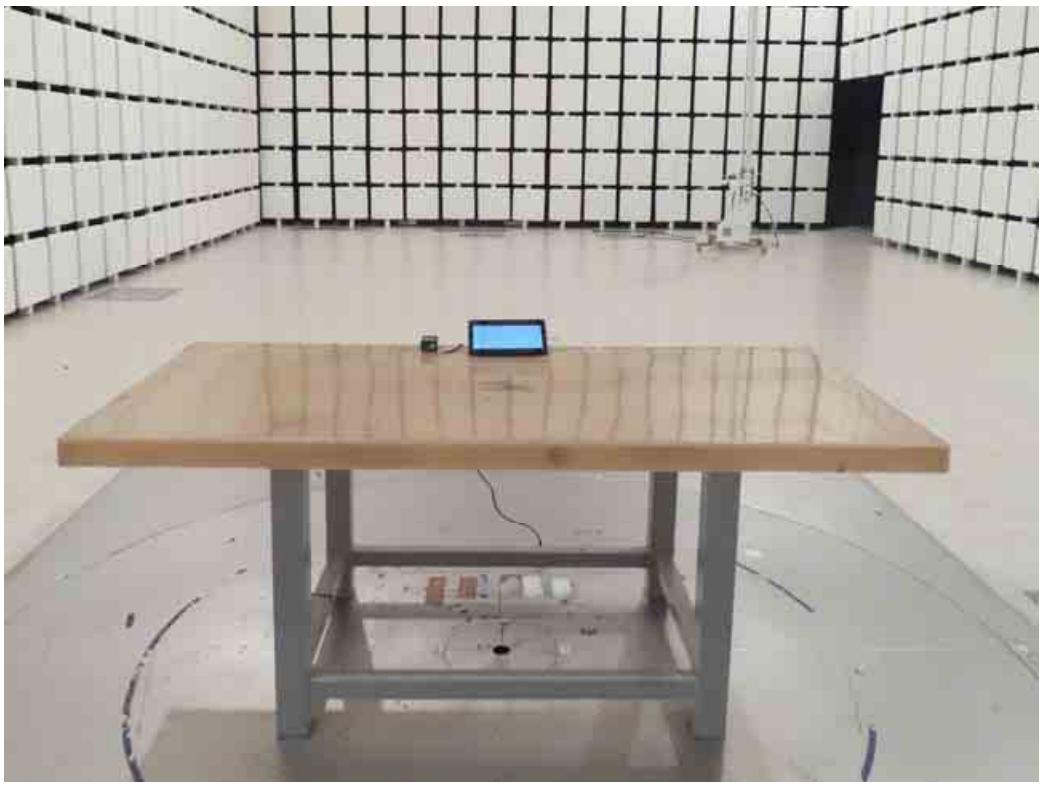
Polarization: Vertical

Mk.	Frequency (MHz)	RX_R (dBuV)	Correct Factor(dB/m)	Emission (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Ant.Pos (cm)	Tab.Pos (deg.)	Detector
1	1748.00	60.31	-13.20	47.11	74.00	-26.89	178	360	peak
2	3992.00	55.09	-7.44	47.65	74.00	-26.35	300	71	peak
3	7307.00	55.43	-5.66	49.77	74.00	-24.23	400	241	peak
4	12203.00	55.01	-2.26	52.75	74.00	-21.25	200	220	peak
5	12205.56	40.60	-2.28	38.32	54.00	-15.68	215	207	AVG
6	15767.49	41.96	-1.29	40.67	54.00	-13.33	400	23	AVG
7	15773.00	55.61	-1.25	54.36	74.00	-19.64	400	14	peak
8	16785.91	42.13	-0.21	41.92	54.00	-12.08	400	159	AVG
9	16793.00	56.05	-0.18	55.87	74.00	-18.13	400	149	peak

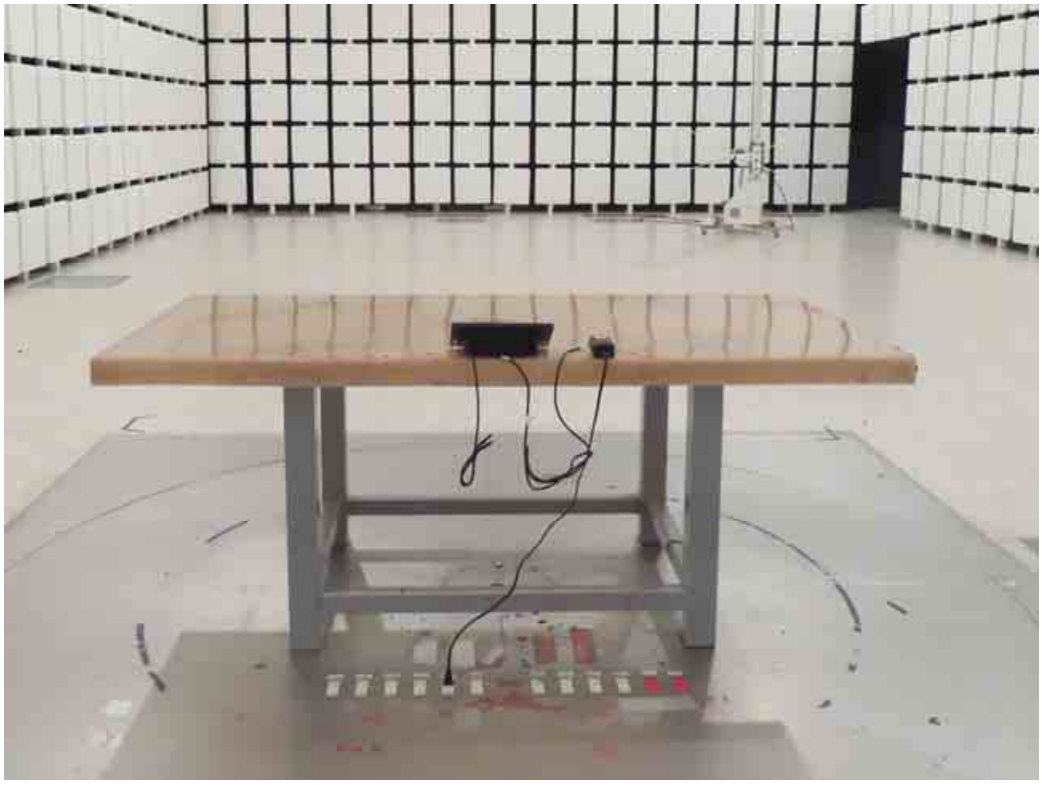
* Note:
Margin = Emission – Limit
Emission = Radiated Amplitude + Correct Factor
Correct Factor = Antenna Correction Factor + Cable Loss – Pre-Amplifier Gain
A margin of -8dB means that the emission is 8dB below the limit
Antenna Distance: 3 meters
If the peak measured value meets the Average limit, The Average value is inherently compliant.

3.3 Test Setup Photo

Front View (30MHz~1GHz)

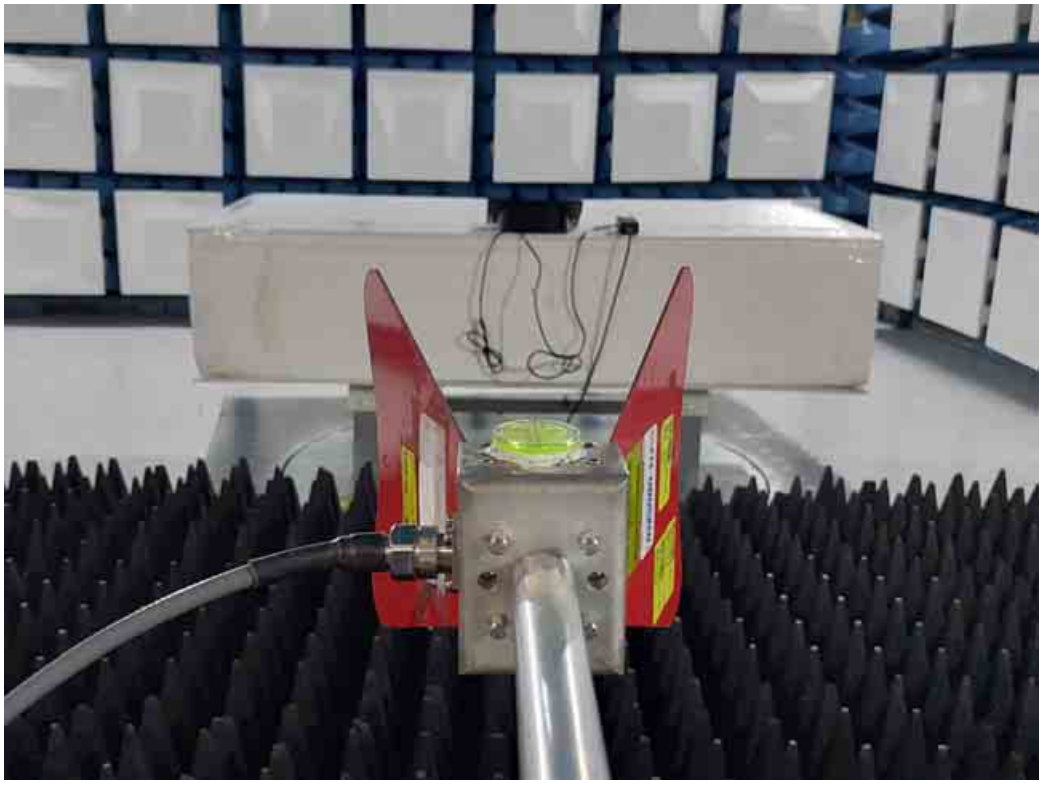


Back View (30MHz~1GHz)



Front View (above 1GHz)

Back View (above 1GHz)



4. Appendix

4.1 Appendix A: (FCC)Warning Labels

Label Requirements

A Class B digital device subject to authorization under Supplier's Declaration of Conformity of FCC shall carry a label which includes the following statement:

*** * * W A R N I N G * * ***

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Devices subject to authorization under Supplier's Declaration of Conformity may be labeled with FCC logo on a voluntary basis as a visual indication that the product complies with the applicable FCC requirements

The sample label shown shall be permanently affixed at a conspicuous location on the device and be readily visible to the user at the time of purchase.

When the device is so small or for such use that it is impracticable to label it with the statement specified under (§15.19 Labeling requirements) paragraph (a) of this section in a font that is four-point or larger, and the device does not have a display that can show electronic labeling, then the information required by this paragraph shall be placed in the user manual and must also either be placed on the device packaging or on a removable label attached to the device.

4.2 Appendix B: (FCC)Warning Statement

Statement Requirements

The operators' manual for a Class B digital device shall contain the following statements or their equivalent:

*** * * W A R N I N G * * ***

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.

—Increase the separation between the equipment and receiver.

—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

—Consult the dealer or an experienced radio/TV technician for help.

Notice: The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equivalent.

* * * * * * * * * *

If the EUT was tested with special shielded cables the operator's manual for such product shall also contain the following statements or their equivalent:

Shielded interface cables and/or AC power cord, if any, must be used in order to comply with the emission limits.

4.3 Appendix C: (Canada ISED) Labelling and user manual requirements

The requirements specified in ICES-Gen shall apply. An example ISED compliance label, to be placed on each unit of an equipment model (or in the user manual, if allowed), is given below:

CAN ICES-003(*) / NMB-003(*)

* Insert either “A” or “B”, but not both, to identify the applicable Class of the device used for compliance verification.

The above label is only an example. The specific format is left to the manufacturer to decide, as long as the label includes the required information, in accordance with ICES-Gen.

4.4 Appendix D: Test Equipment

4.4.1 Test Equipment List

Location	Equipment Name	Brand	Model	S/N	Last Cal. Date	Next Cal. Date
Conduction 02	EMI Receiver 14	ROHDE& SCHWARZ	ESCI	101034	05/25/2022	05/25/2023
Conduction 02	Conduction 02-1 Cable	WOKEN	CFD 300-NL	Conduction 02 -1	10/11/2022	10/11/2023
Conduction 02	LISN 26	R&S	ENV216	102378	12/08/2022	12/08/2023
Conduction 02	LISN 21	R&S	ENV216	101476	07/20/2022	07/20/2023

Location Chamber02	Equipment Name	Brand	Model	S/N	Last Cal. Date	Next Cal. Date
Radiation	BILOG Antenna 17 (30MHz~1GHz)	SCHWARZBECK	VULB 9168+EMCI-N-6-05	645	05/18/2022	05/18/2023
Radiation	Preamplifier 28	EMCI	EMC9135	980296	08/11/2022	08/11/2023
Radiation	Coaxial Cable Chmb 02-10M-02	EMC	RG214U	Chmb 02-10M-02	10/04/2022	10/04/2023
Radiation	EMI Receiver 17	ROHDE&SCHWARZ	ESCI 7	100887	11/02/2022	11/02/2023

Location Chmb14	Equipment Name	Brand	Model	S/N	Last Cal. Date	Next Cal. Date
Rad. Above 1GHz	Spectrum Analyzer 25	R&S	FSV 40	101499	10/26/2022	10/26/2023
Rad. Above 1GHz	Horn Antenna 06	ETS-Lindgren	3117	00066665	12/15/2022	12/15/2023
Rad. Above 1GHz	Preamplifier 20	EMCI	EMC051845	980084	11/25/2022	11/25/2023
Rad. Above 1GHz	Microwave Cable 37	WOKEN	WCBA-WCA04NM	Chamber14-3	05/17/2022	05/17/2023
Rad. Above 1GHz	Microwave Cable 38	WOKEN	WCBA-WCA04NM	Chamber14-4	05/17/2022	05/17/2023

4.4.2 Software for Controlling Spectrum/Receiver and Calculating Test Data

Site	Filename	Version
Conduction/Radiation	EZ EMC	ISL-03A2

4.5 Appendix E: Uncertainty of Measurement

The laboratory measurement uncertainty accordance with refers to CISPR 16-4-2. If Ulab is less than or equal to Ucispr in Table 1, then the test report may either state the value of Ulab or state that Ulab is less than Ucispr.
The coverage factor k = 2 yields approximately a 95 % level of confidence.

<Conduction 02>
AMN: ± 2.90dB

<Chamber 02 (10m)>
Horizontal
30MHz~200MHz: ±4.42dB
200MHz~1000MHz: ±3.83dB
Vertical
30MHz~200MHz: ±4.57dB
200MHz~1000MHz: ±3.97dB

<Chamber 14 (3m)>
1GHz~6GHz: ±5.06dB
6GHz~18GHz: ±4.65dB
18GHz~26GHz: ±4.40dB
26GHz~40GHz: ±4.96dB

4.6 Appendix F: Photographs of EUT

Please refer to the File of **ISL-23LE0131P**

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