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EMC TEST REPORT

Dates of Tests: October 14, 2025

Project No: 250919-1429

Test Site : LTA Co., Ltd.

Model No.

BRB-X1610SE

APPLICANT

Hanwha Vision Co., Ltd

Equipment Name : VMS(Video Management Software) Appliance
Manufacturer : Hanwha Vision Co., Ltd
Model Name : BRB-X1610SE
Additional Model Name : -
Test Device Serial No.: : Identification
Rule Part(s) : VCCI-CISPR 32:2016

Date of issue : **October 23, 2025**

This test report is issued under the authority of:

The test was supervised by:

Young Kyu Shin, Technical Manager

Hyun Young Ahn, Test Engineer

This test result only responds to the tested sample. It is not allowed to copy this report even partly without the allowance of the test laboratory.

This test report is not related to KS Q ISO/IEC 17025 and KOLAS accreditation.

Revision history

Revision	Date of issue	Test report No.	Description
0	23.10.2025	LR500172510M	Initial

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1. General information's

1-1 Test Performed

Company name : **LTA Co., Ltd**
 Address : 4, Songju-ro 236beon-gil, Yangji-myeon, Cheoin-gu, Yongin-si, Gyeonggi-do, 17159, Korea
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Quality control in the testing laboratory is implemented as per ISO/IEC 17025 which “General requirements for the competents of calibration and testing laboratory”.

1-2 Accredited agencies

LTA Co., Ltd. is approved to perform EMC testing by the following agencies:

Agency	Country	Accreditation No.	Validity	Reference
RRA	KOREA		-	RRA accredited Lab.
	U.S.A	KR0049	2027-02-27	
	CANADA		2026-08-05	
VCCI	JAPAN	C-14948	2026-09-10	VCCI registration
		T-12416	2026-09-10	
		R-14483	2026-10-15	
		G-10847	2027-12-13	
KOLAS	KOREA	KT551	2029-10-12	KOLAS accredited Lab.

2. Information's about test item

2-1 Client / Manufacturer

Company name : Hanwha Vision Co., Ltd
 Address : 6, Pangyo-ro 319 Beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, 13488, KOREA
 Telephone /Facsimile : +82-10-2221-6513 / +82-70-7147-8367

Factory #1

Company name : HANWHA VISION VIETNAM COMPANY LIMITED
 Address : Lot O-2, Que Vo Industrial Zone Extended Area, Nam Son Ward, Bac Ninh Province, Vietnam

Factory #2

Company name : D-TECH CO.,LTD.
 Address : 173-25, Saneop-ro, Gwonseon-gu, Suwon-si, Gyeonggi-do, Korea (Suwon Industrial Complex)

2-2 Equipment Under Test (EUT)

Class : A
 Category : VMS(Video Management Software) Appliance
 Model Name : BRB-X1610SE
 Additional Model Name : -
 Serial number : Identification
 Date of receipt : September 19, 2025
 EUT condition : Pre-production,
 POE #1 to #8 of EUT is the same port, so it is tested only in POE #1.
 Interface ports : DP, HDMI, USB#1~#4, NETWORK #1~#2, POE #1 ~ #8, AC IN, AUX OUT, GND
 Power rating : AC 100 V, 50 / 60 Hz

2-3 Modification

- NONE.

2-4 Test conditions

Tested Model : BRB-X1610SE
 Test mode : Operating mode
 Test Voltage : AC 100 V, 50, 60 Hz

2-5 List of EUT and ACCESSORY

EUT				
Equipment Name	Model Name	Serial No.	Manufacturer	Remarks
VMS(Video Management Software) Appliance	BRB-X1610SE	N/A	HANWHA VISION VIETNAM COMPANY LIMITED	EUT
Keyboard	K8862	N/A	N/A	EUT
Mouse	MOKJUO	N/A	Primax Electronics Ltd.	EUT
ACCESSORY				
Equipment Name	Model Name	Serial No.	Manufacturer	Remarks
Monitor #1	S22E450F	N/A	SAMSUNG	-
Monitor #2	24BK550Y	N/A	LG	-
PoE Injector	PT-PSE109GBRO-AH-S	N/A	Dongguan PROCET Network Technology Co.,Ltd	-
Notebook Computer	ELITE BOOK	N/A	HP	-
POE	SW1600-mini	SW1600-mini 73N00673	ipTIME	-
Camera #1	XND-8020RP	N/A	HANWHA TECHWIN CO.,LTD.	-
Camera #2	LND-6011R	ZNDE6V4M 900007T	HANWHA TECHWIN CO.,LTD.	-
USB Memory	N/A	N/A	Sandisk	2 EA
HEADSET	N/A	N/A	SAMSUNG	-

2-6 Cable List

Cable List					
From		To		Length (m)	Shield
Type	I/O Port	Type	I/O Port		
EUT	AC IN	AC POWER SOURCE	AC OUT	1.0	NO
	DP	Monitor #2	DP	1.1	YES
	HDMI	Monitor #1	HDMI	1.2	YES
	NETWORK #1	PoE Injector	LAN DATA	3.0	NO
	NETWORK #2	Notebook Computer	LAN	3.0	NO
	POE #1	Camera #1	LAN	3.0	NO
	POE #2 ~ #8	POE	LAN #1 ~ #7	1.0	NO
	USB #1	EUT (Keyboard)	USB	1.0	NO
	USB #2	EUT (Mouse)	USB	0.9	NO
	USB #3	USB Memory#1	USB	-	-
	USB #4	USB Memory#2	USB	-	-
	AUX OUT	HEADSET	AUX IN	1.3	NO
	GND	GND	-	1.2	YES

3. Test Report

3.1 Summary of tests

Parameter	Applied Standard	Status
I. Emission		
Conducted Emissions	VCCI-CISPR 32:2016	C
Conducted Emissions at telecommunication ports	VCCI-CISPR 32:2016	C
Radiated Emissions	VCCI-CISPR 32:2016	C
Radiated Emissions at above 1 GHz	VCCI-CISPR 32:2016	C

Note 1: C=Complies NC=Not Complies NT=Not Tested NA=Not Applicable

Note 2: The data in this test report are traceable to the national or international standards.

4. EMISSION

4.1 Conducted Emissions

Definition:

The test assesses the ability of the EUT to limit its internal noise from being present on the AC mains Power In/Output/Telecommunication ports.

We were performed the test according to LTA procedure LTA-QI-04.

Test method	: VCCI-CISPR 32:2016
Measurement Frequency range	: 150 kHz - 30 MHz
Measurement RBW	: 9 kHz
Test Location	: Shielded Room
Test mode	: Operating mode
Result	: Complies

Measurement Data:

- Refer to the Next page (Maximum emission configuration)

A sample calculation:

COR. F (correction factor)= LISN Insertion loss + Cable loss + Pulse Limiter Factor

Emission Level= meter reading + COR.F

Limits for Conducted Emissions at the mains ports of class A ITE

Frequency Range	Quasi-peak	Average
(0.15 - 0.5) MHz	79 dB μ V	66 dB μ V
(0.5 – 30) MHz	73 dB μ V	60 dB μ V

Note: The limits will decrease with the frequency logarithmically within 0.15MHz to 0.5MHz

Limits for Conducted Emissions at the mains ports of class B ITE

Frequency Range	Quasi-peak	Average
(0.15 – 0.5) MHz	(66 – 56) dB μ V	(56 - 46) dB μ V
(0.5 – 5) MHz	56 dB μ V	46 dB μ V
(5 – 30) MHz	60 dB μ V	50 dB μ V

Note: The limits will decrease with the frequency logarithmically within 0.15 MHz to 0.5 MHz

Limits of conducted common mode (asymmetric mode) disturbance at telecommunication ports in the frequency range 0.15 MHz to 30 MHz for class A equipment

Frequency Range	Voltage limits		Current limits	
	Quasi-peak	Average	Quasi-peak	Average
(0.15 - 0.5) MHz	(97 – 87) dB μ V	(84 – 74) dB μ V	(53 – 43) dB μ V	(40 – 30) dB μ V
(0.5 – 30) MHz	87 dB μ V	74 dB μ V	43 dB μ V	30 dB μ V

Note 1: The limits decrease linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

Note 2: The current and voltage disturbance limits are derived for use with an impedance stabilization network (ISN) which presents a common mode (asymmetric mode) impedance of 150 Ω to the telecommunication port under test (conversion factor is $20 \log_{10} 150/I = 44$ dB)

Limits of conducted common mode (asymmetric mode) disturbance at telecommunication ports in the frequency range 0.15 MHz to 30 MHz for class B equipment

Frequency Range	Voltage limits		Current limits	
	Quasi-peak	Average	Quasi-peak	Average
(0.15 - 0.5) MHz	(84 – 74) dB μ V	(74 – 64) dB μ V	(40 – 30) dB μ V	(30 – 20) dB μ V
(0.5 – 30) MHz	74 dB μ V	64 dB μ V	30 dB μ V	20 dB μ V

Note 1: The limits decrease linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

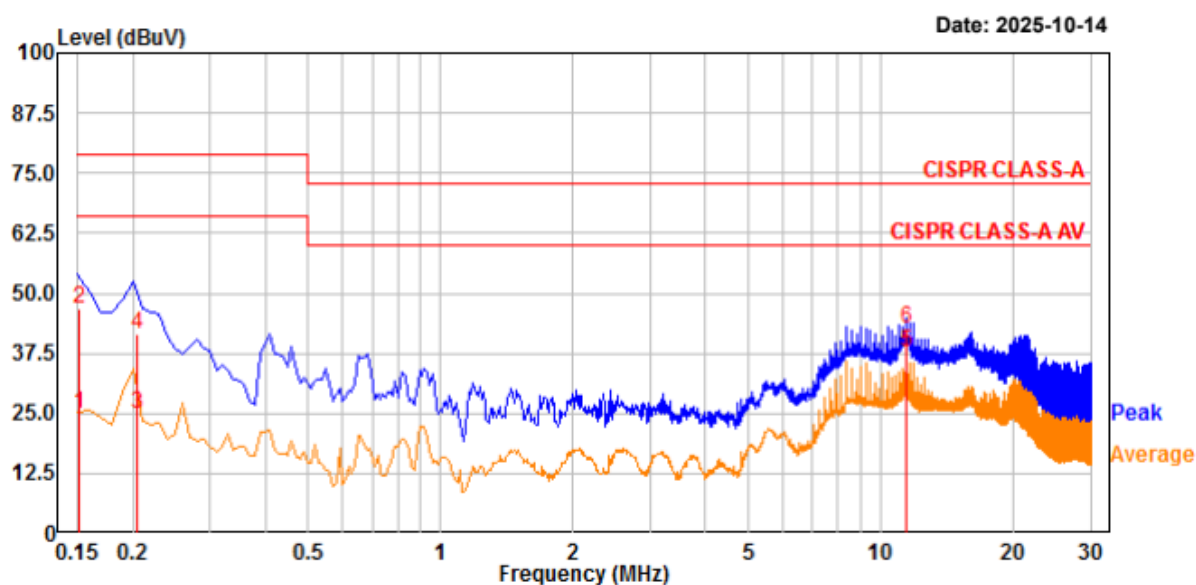
Note 2: The current and voltage disturbance limits are derived for use with an impedance stabilization network (ISN) which presents a common mode (asymmetric mode) impedance of 150 Ω to the telecommunication port under test (conversion factor is $20 \log_{10} 150/I = 44$ dB)

Conducted Emissions (LINE) / 50 Hz



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Project No.	: 250919-1429	Phase	: Line
Test Mode	: Operating	Test Power	: AC 100 V / 50 Hz
Temp./ Humi.	: 24 'C / 54 % R.H.	Test Engineer	: AHN H Y



No.	Freq MHz	RD QP dBμV	RD AV dBμV	C.F dB	Result QP dBμV	Result AV dBμV	Limit QP dBμV	Limit AV dBμV	Margin QP dB	Margin AV dB	Phase
2.	0.151	27.12	5.30	19.50	46.62	24.80	79.00	66.00	32.38	41.20	Line
4.	0.204	21.98	5.22	19.50	41.48	24.72	79.00	66.00	37.52	41.28	Line
6.	11.444	22.72	17.71	19.87	42.59	37.58	73.00	60.00	30.41	22.42	Line

Remarks: C.F (Correction Factor) = Insertion loss + Cable loss + Pulse Limiter

Conducted Emissions (NEUTRAL) / 50 Hz



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Project No. : 250919-1429

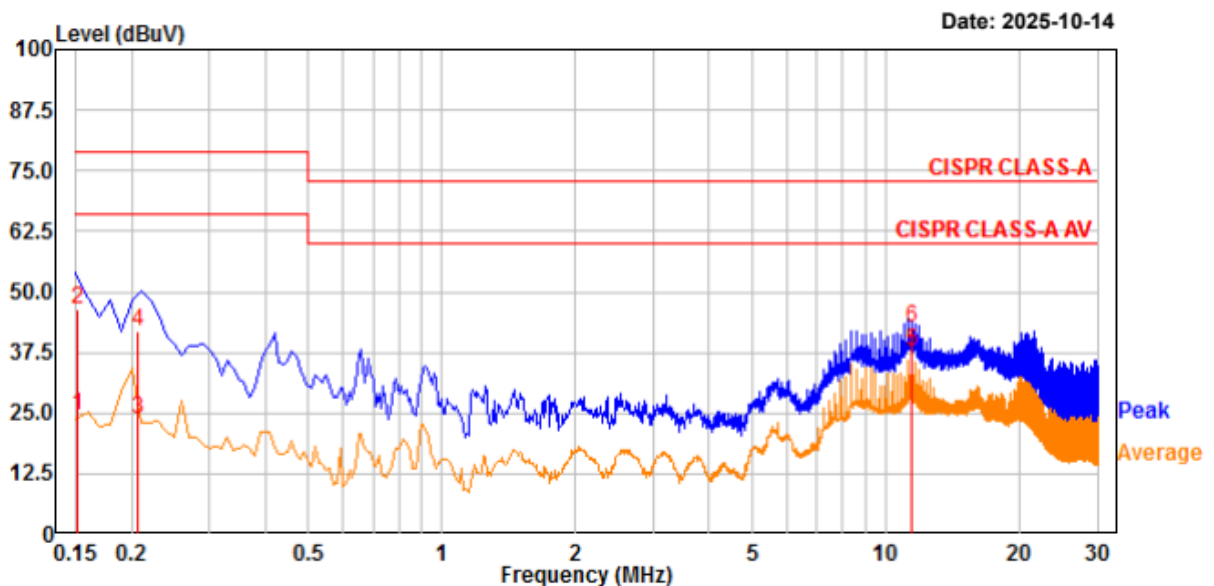
Phase : Neutral

Test Mode : Operating

Test Power : AC 100 V / 50 Hz

Temp./ Humi. : 24 'C / 54 % R.H.

Test Engineer : AHN H Y



No.	Freq MHz	RD QP dBμV	RD AV dBμV	C.F dB	Result QP dBμV	Result AV dBμV	Limit QP dBμV	Limit AV dBμV	Margin QP dB	Margin AV dB	Phase
2.	0.151	26.88	5.10	19.46	46.34	24.56	79.00	66.00	32.66	41.44	neutral
4.	0.208	22.35	4.19	19.47	41.82	23.66	79.00	66.00	37.18	42.34	neutral
6.	11.443	22.71	17.96	19.86	42.57	37.82	73.00	60.00	30.43	22.18	neutral

Remarks: C.F (Correction Factor) = Insertion loss + Cable loss + Pulse Limiter

Conducted Emissions (LINE) / 60 Hz



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Project No. : 250919-1429

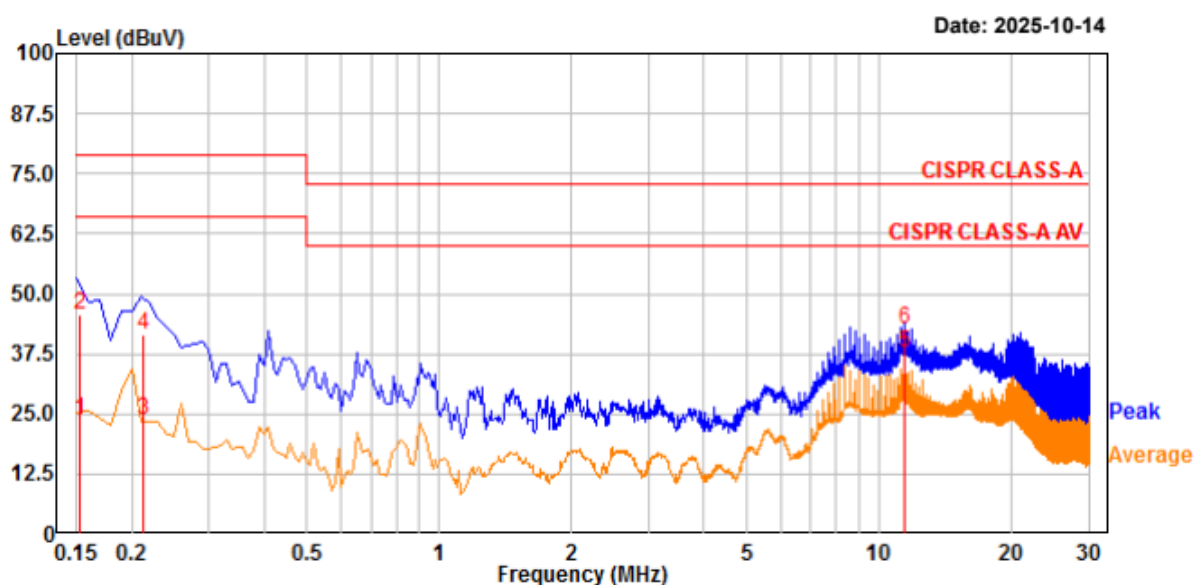
Phase : Line

Test Mode : Operating

Test Power : AC 100 V / 60 Hz

Temp./ Humi. : 24 'C / 54 % R.H.

Test Engineer : AHN H Y



No.	Freq MHz	RD QP dBμV	RD AV dBμV	C.F dB	Result QP dBμV	Result AV dBμV	Limit QP dBμV	Limit AV dBμV	Margin QP dB	Margin AV dB	Phase
2.	0.152	26.31	4.38	19.50	45.81	23.88	79.00	66.00	33.19	42.12	Line
4.	0.212	21.84	4.35	19.50	41.34	23.85	79.00	66.00	37.66	42.15	Line
6.	11.443	22.65	17.91	19.87	42.52	37.78	73.00	60.00	30.48	22.22	Line

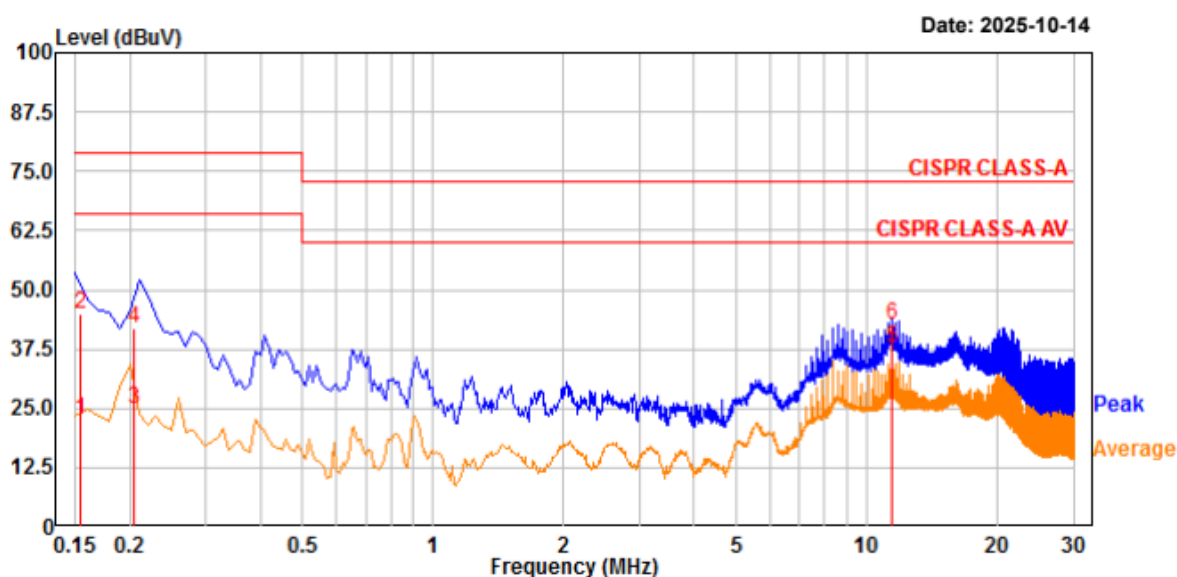
Remarks: C.F (Correction Factor) = Insertion loss + Cable loss + Pulse Limiter

Conducted Emissions (NEUTRAL) / 60 Hz



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Project No.	: 250919-1429	Phase	: Neutral
Test Mode	: Operating	Test Power	: AC 100 V / 60 Hz
Temp./ Humi.	: 24 'C / 54 % R.H.	Test Engineer	: AHN H Y



No.	Freq MHz	RD QP dBuV	RD AV dBuV	C.F dB	Result QP dBuV	Result AV dBuV	Limit QP dBuV	Limit AV dBuV	Margin QP dB	Margin AV dB	Phase
2.	0.154	25.62	3.21	19.46	45.08	22.67	79.00	66.00	33.92	43.33	neutral
4.	0.204	22.37	5.59	19.47	41.84	25.06	79.00	66.00	37.16	40.94	neutral
6.	11.444	22.74	17.91	19.86	42.60	37.77	73.00	60.00	30.40	22.23	neutral

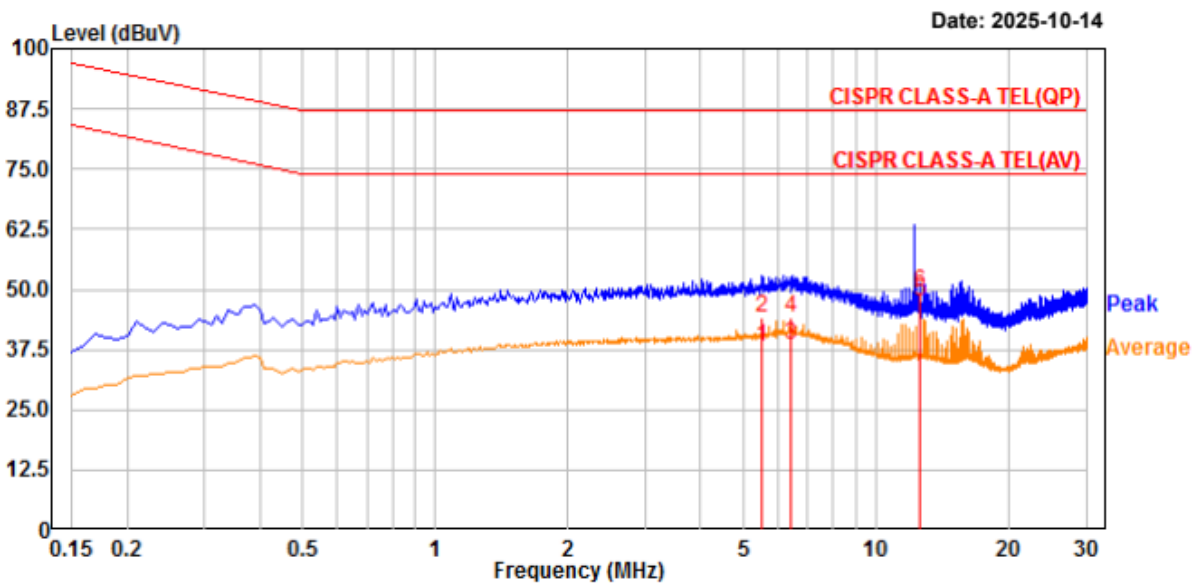
Remarks: C.F (Correction Factor) = Insertion loss + Cable loss + Pulse Limiter

Conducted Emissions (TEL_1000 M(LAN)) / 50 Hz



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Project No.	: 250919-1429	Phase	: TEL_1000M(LAN)
Test Mode	: Operating	Test Power	:
Temp./ Humi.	: 24 'C / 54 % R.H.	Test Engineer	: AHN H Y



No.	Freq MHz	RD QP dBμV	RD AV dBμV	C.F dB	Result QP dBμV	Result AV dBμV	Limit QP dBμV	Limit AV dBμV	Margin QP dB	Margin AV dB	Phase
2.	5.528	24.84	18.94	19.26	44.10	38.20	87.00	74.00	42.90	35.80	Line
4.	6.382	24.93	19.37	19.28	44.21	38.65	87.00	74.00	42.79	35.35	Line
6.	12.566	29.93	28.28	19.42	49.35	47.70	87.00	74.00	37.65	26.30	Line

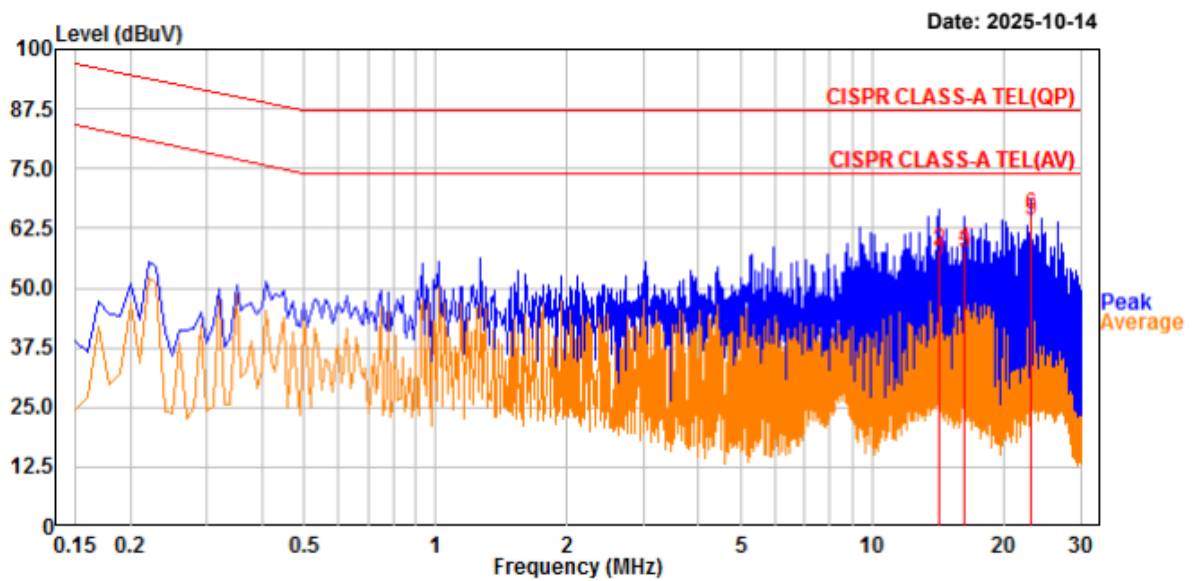
Remarks: C.F (Correction Factor) = Insertion loss + Cable loss + Pulse Limiter

Conducted Emissions (TEL_1000 M(POE)) / 50 Hz



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Project No.	: 250919-1429	Phase	: TEL_1000M(POE)
Test Mode	: Operating	Test Power	:
Temp./ Humi.	: 24 'C / 54 % R.H.	Test Engineer	: AHN H Y



No.	Freq MHz	RD QP dBuV	RD AV dBuV	C.F dB	Result QP dBuV	Result AV dBuV	Limit QP dBuV	Limit AV dBuV	Margin QP dB	Margin AV dB	Phase
2.	14.213	38.29	36.24	19.46	57.75	55.70	87.00	74.00	29.25	18.30	Line
4.	16.228	38.72	37.84	19.50	58.22	57.34	87.00	74.00	28.78	16.66	Line
6.	23.129	46.04	44.77	19.27	65.31	64.04	87.00	74.00	21.69	9.96	Line

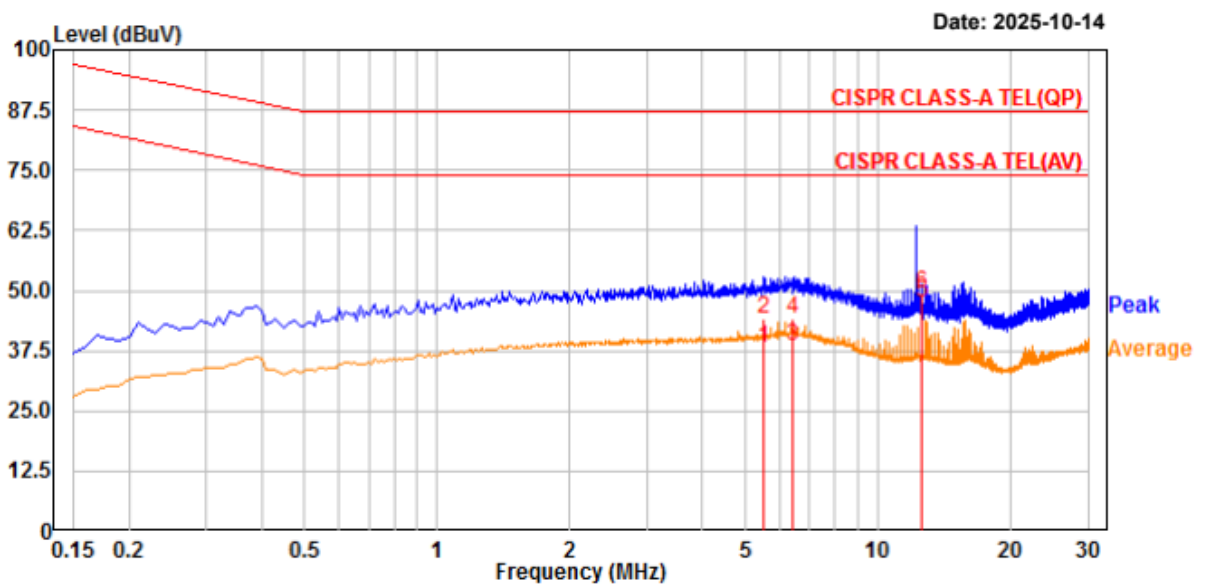
Remarks: C.F (Correction Factor) = Insertion loss + Cable loss + Pulse Limiter

Conducted Emissions (TEL_1000 M(LAN)) / 60 Hz



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Project No.	: 250919-1429	Phase	: TEL_1000M(LAN)
Test Mode	: Operating	Test Power	:
Temp./ Humi.	: 24 'C / 54 % R.H.	Test Engineer	: AHN H Y



No.	Freq MHz	RD QP dB μ V	RD AV dB μ V	C.F dB	Result QP dB μ V	Result AV dB μ V	Limit QP dB μ V	Limit AV dB μ V	Margin QP dB	Margin AV dB	Phase
2.	5.528	24.84	18.94	19.26	44.10	38.20	87.00	74.00	42.90	35.80	Line
4.	6.382	24.93	19.37	19.28	44.21	38.65	87.00	74.00	42.79	35.35	Line
6.	12.566	29.93	28.28	19.42	49.35	47.70	87.00	74.00	37.65	26.30	Line

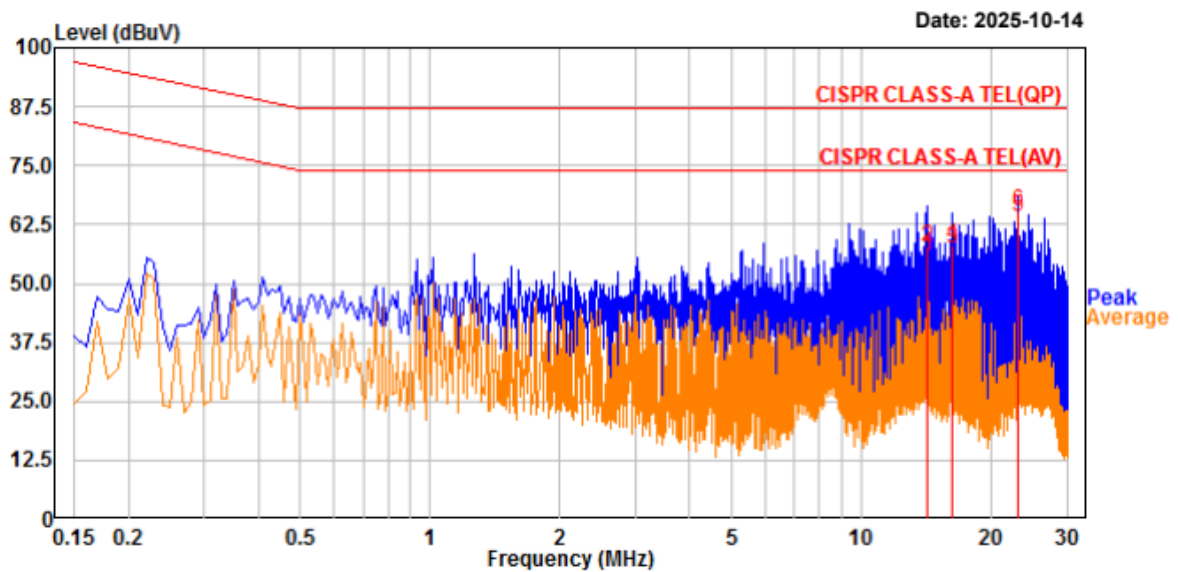
Remarks: C.F (Correction Factor) = Insertion loss + Cable loss + Pulse Limiter

Conducted Emissions (TEL_1000 M(POE)) / 60 Hz



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Project No.	: 250919-1429	Phase	: TEL_1000M(POE)
Test Mode	: Operating	Test Power	:
Temp./ Humi.	: 24 'C / 54 % R.H.	Test Engineer	: AHN H Y



No.	Freq MHz	RD QP dBμV	RD AV dBμV	C.F dB	Result QP dBμV	Result AV dBμV	Limit QP dBμV	Limit AV dBμV	Margin QP dB	Margin AV dB	Phase
2.	14.213	38.29	36.24	19.46	57.75	55.70	87.00	74.00	29.25	18.30	Line
4.	16.228	38.72	37.84	19.50	58.22	57.34	87.00	74.00	28.78	16.66	Line
6.	23.129	46.04	44.77	19.27	65.31	64.04	87.00	74.00	21.69	9.96	Line

Remarks: C.F (Correction Factor) = Insertion loss + Cable loss + Pulse Limiter

4.2 Radiated Emissions

Definition:

The test assesses the ability of ancillary equipment to limit their internal noise from being radiated from the enclosure.

We were performed the test according to LTA procedure LTA-QI-04.

Test method	: VCCI-CISPR 32:2016
Measuring Distance	: 10 m below 1 GHz / 3 m above 1 GHz
Measurement Frequency range	: 30 MHz – 6 000 MHz
Measurement RBW	: 120 kHz @ 10 m / 1 MHz @ 3 m
Test Location	: 10 m Chamber
Test mode	: Operating mode
Result	: Complies

Measurement Data:

- Refer to the Next page (Maximum emission configuration)
- The highest internal source of an EUT is 108 MHz, the measurement shall only be made up to 6 GHz.

A sample calculation:

COR. F (correction factor)= Antenna factor + Cable loss- Amp.gain- Distance correction

Emission Level= meter reading + COR.F

Limit of 10 m below 1 GHz

CLASS A

Frequency Range	Quasi-peak
(30 – 230) MHz	40 dB μ V/m
(230 – 1 000) MHz	47 dB μ V/m

CLASS B

Frequency Range	Quasi-peak
(30 – 230) MHz	30 dB μ V/m
(230 – 1 000) MHz	37 dB μ V/m

Limit of 3m above 1 GHz

CLASS A

Frequency Range	Average Limit @ 3m (dB μ V/m)	Peak limit @ 3m (dB μ V/m)
(1 000 – 3 000) MHz	56	76
(3 000 – 6 000) MHz	60	80

NOTE: The lower limit applies at the transition frequency.

CLASS B

Frequency Range	Average Limit @ 3m (dB μ V/m)	Peak limit @ 3m (dB μ V/m)
(1 000 – 3 000) MHz	50	70
(3 000 – 6 000) MHz	54	74

NOTE: The lower limit applies at the transition frequency.

Radiated Emissions (Below 1 GHz) / H / 50 Hz



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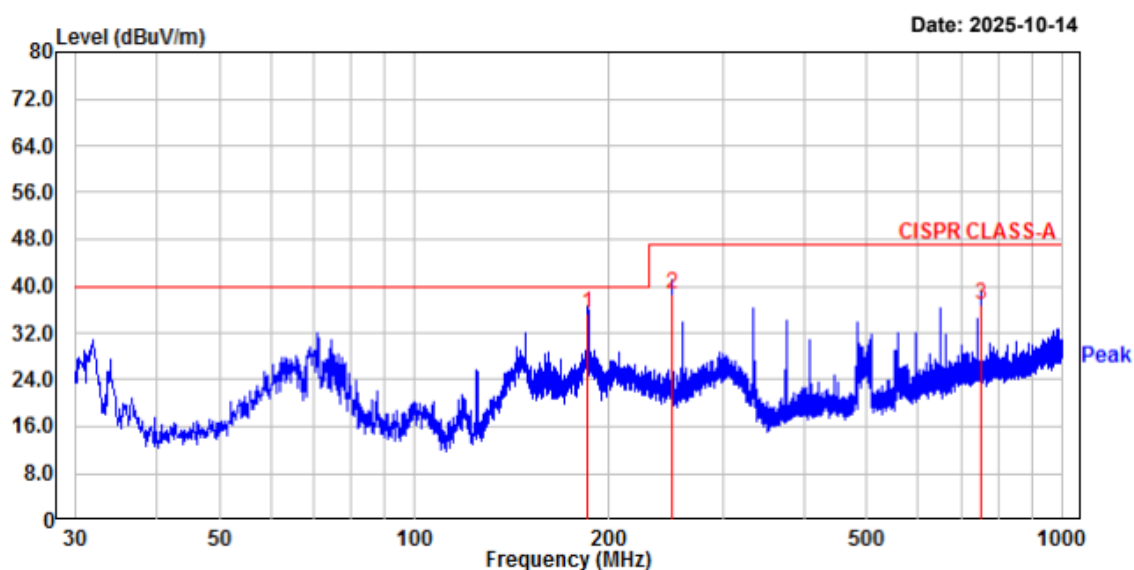
Project No. : 250919-1429

Temp/Humi: 23 'C / 51 % R.H.

Test Mode : Operating

Tested by: AHN H Y

Power : AC 100 V / 50 Hz



No.	Freq MHz	Reading dBμV	C.F dB	Result QP dBμV/m	Limit dBμV/m	Margin dB	Height cm	Angle deg	Polarity
1.	185.56	46.52	-11.13	35.39	40.00	4.61	131	61	horizontal
2.	249.95	48.52	-9.83	38.69	47.00	8.31	124	71	horizontal
3.	749.98	34.19	2.63	36.82	47.00	10.18	211	51	horizontal

Remarks: C.F (Correction Factor) = Antenna factor + Cable loss - Preamp gain

Radiated Emissions (Below 1 GHz) / V / 50 Hz



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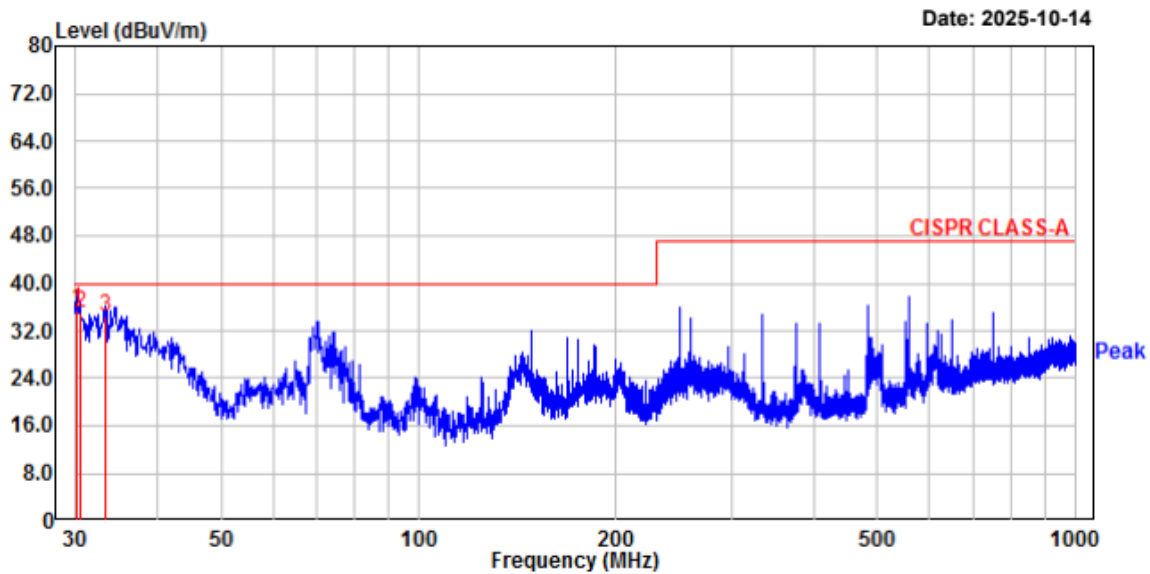
Project No. : 250919-1429

Temp/Humi: 23 'C / 51 % R.H.

Test Mode : Operating

Tested by: AHN H Y

Power : AC 100 V / 50 Hz



No.	Freq MHz	Reading dBμV	C.F dB	Result QP dBμV/m	Limit dBμV/m	Margin dB	Height cm	Angle deg	Polarity
1.	30.12	47.15	-11.50	35.65	40.00	4.35	111	313	vertical
2.	30.49	46.53	-11.45	35.08	40.00	4.92	366	60	vertical
3.	33.40	45.82	-11.38	34.44	40.00	5.56	250	290	vertical

Remarks: C.F (Correction Factor) = Antenna factor + Cable loss - Preamp gain

Radiated Emissions (Below 1 GHz) / H / 60 Hz



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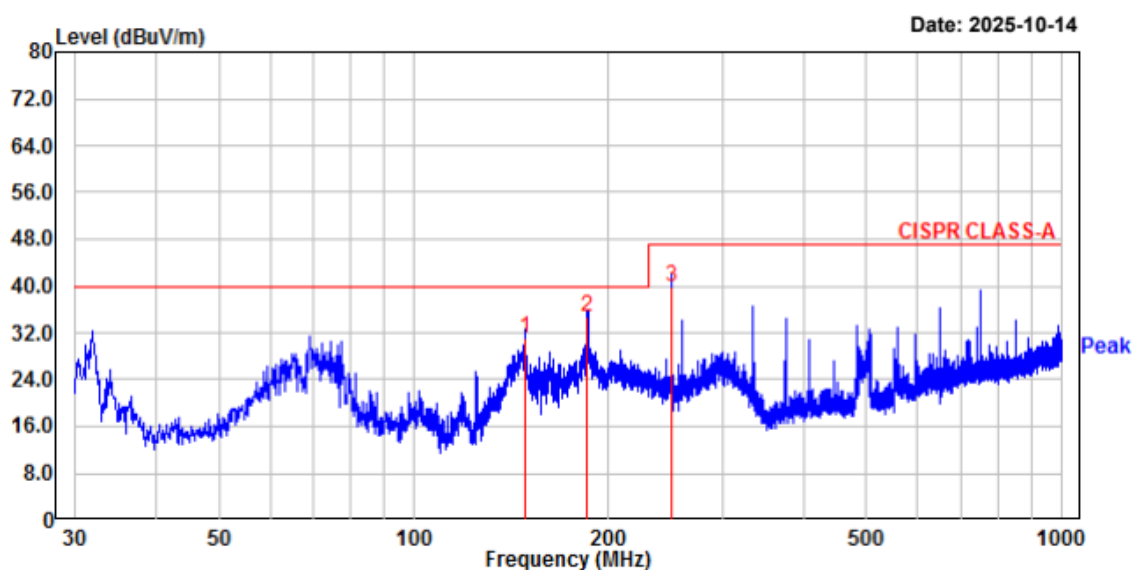
Project No. : 250919-1429

Temp/Humi: 23 'C / 51 % R.H.

Test Mode : Operating

Tested by: AHN H Y

Power : AC 100 V / 60 Hz



No.	Freq MHz	Reading dBuV	C.F dB	Result QP dBuV/m	Limit dBuV/m	Margin dB	Height cm	Angle deg	Polarity
1.	148.46	40.16	-9.00	31.16	40.00	8.84	149	50	horizontal
2.	185.56	45.81	-11.13	34.68	40.00	5.32	378	61	horizontal
3.	249.95	49.83	-9.83	40.00	47.00	7.00	151	41	horizontal

Remarks: C.F (Correction Factor) = Antenna factor + Cable loss - Preamp gain

Radiated Emissions (Below 1 GHz) / V / 60 Hz



4, Songjuro 236Beon-gil, yanggi-myeon,
Yongin-si, Gyeonggi-do, Korea
Tel : +82-31-3236008,9
Fax : +82-31-3236010
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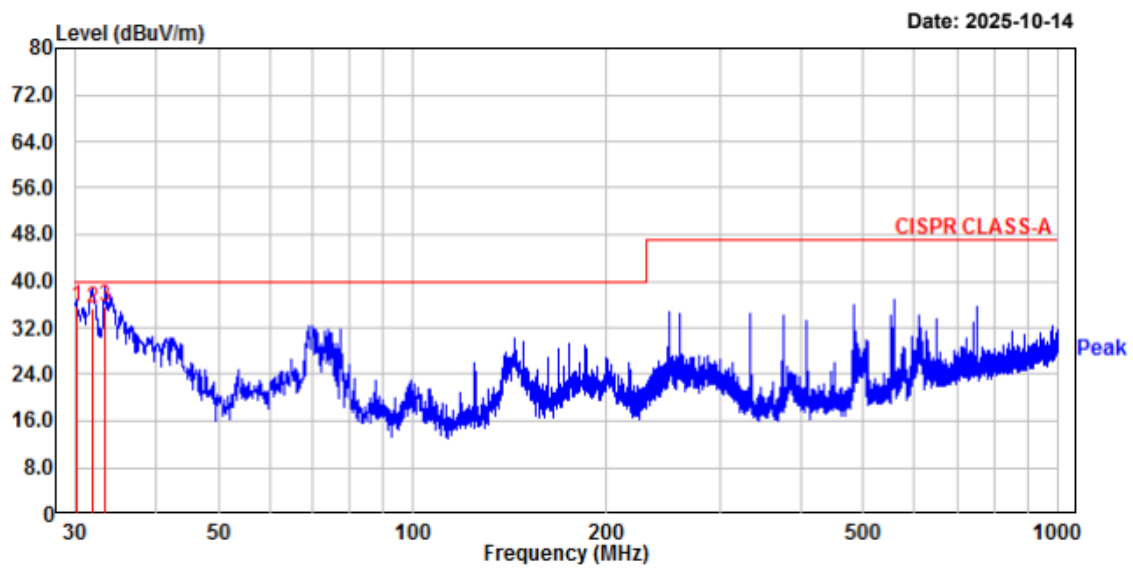
Project No. : 250919-1429

Temp/Humi: 23 'C / 51 % R.H.

Test Mode : Operating

Tested by: AHN H Y

Power : AC 100 V / 60 Hz



No.	Freq MHz	Reading dBμV	C.F dB	Result QP dBμV/m	Limit dBμV/m	Margin dB	Height cm	Angle deg	Polarity
1.	30.12	47.15	-11.50	35.65	40.00	4.35	126	280	vertical
2.	31.82	46.99	-11.53	35.46	40.00	4.54	222	212	vertical
3.	33.40	46.90	-11.38	35.52	40.00	4.48	147	48	vertical

Remarks: C.F (Correction Factor) = Antenna factor + Cable loss - Preamp gain

Radiated Emissions (Above 1 GHz) / H / 50 Hz



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Project No. : 250919-1429

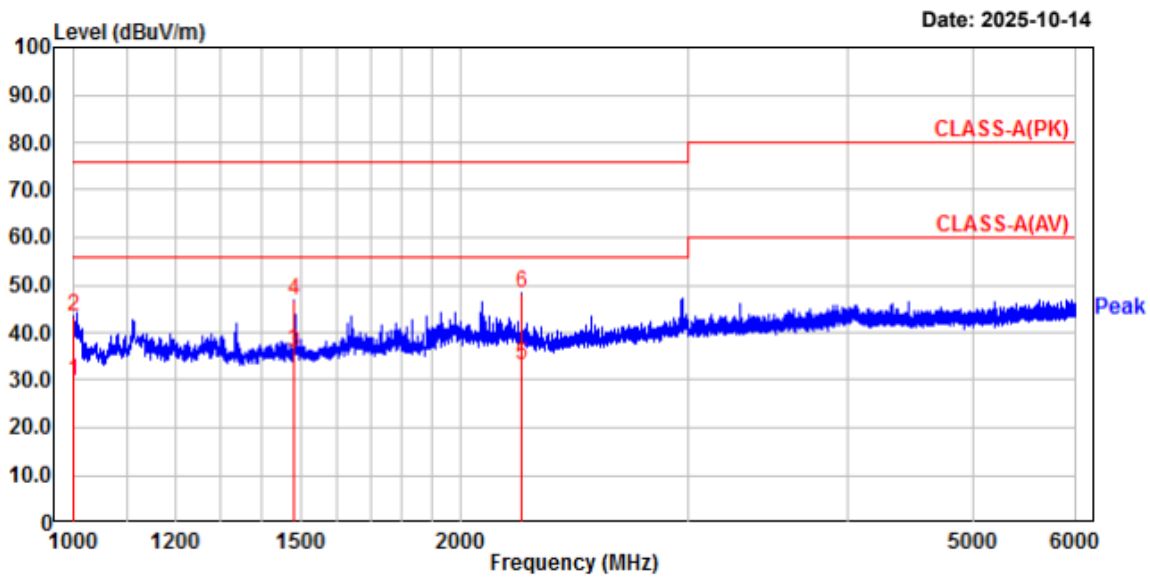
Temp/Humi: 23 'C / 51 % R.H.

Test Mode : Operating

Tested by: AHN H Y

Power : AC 100 V / 50 Hz

Measure distance : 3.7 m



No.	Freq	RD	RD	C.F	Result	Result	Limit	Limit	Margin	Margin	Height	Angle	Polarity
	MHz	PK	AV	dB	PK	AV	PK	AV	PK	AV	cm	deg	
		dBuV	dBuV		dBuV	dBuV	dBuV	dBuV	dB	dB			
2.	1000.00	49.18	35.50	-5.81	43.37	29.69	76.00	56.00	32.63	26.31	100	56	horizontal
4.	1485.00	48.33	37.40	-1.63	46.70	35.77	76.00	56.00	29.30	20.23	100	156	horizontal
6.	2227.50	44.74	29.50	3.63	48.37	33.13	76.00	56.00	27.63	22.87	100	38	horizontal

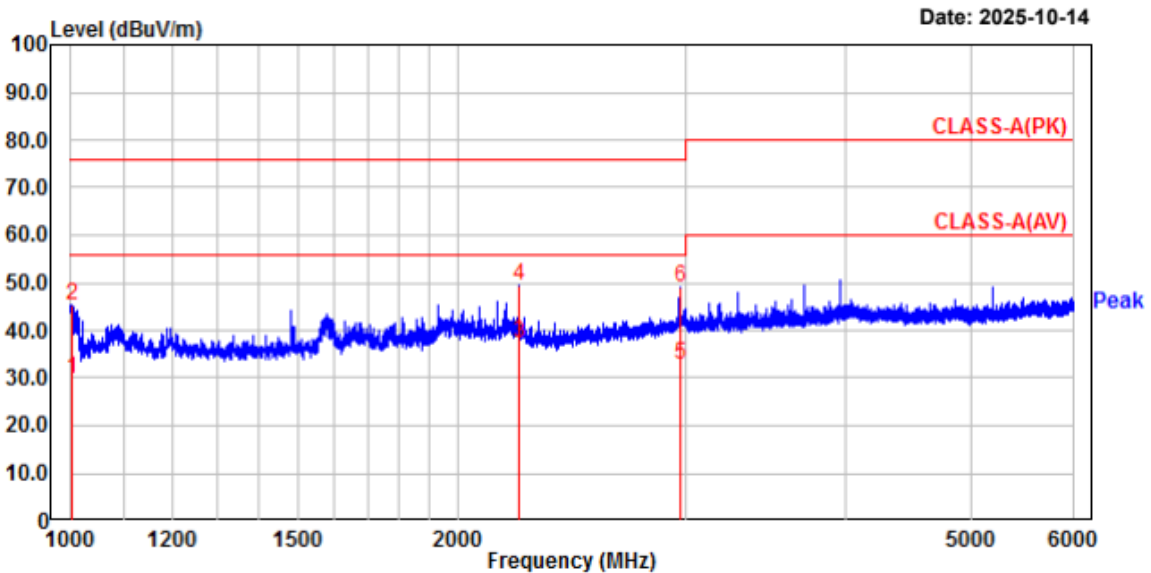
Remarks: C.F (Correction Factor) = Antenna factor + Cable loss + Measure distance - Preamp gain

Radiated Emissions (Above 1 GHz) / V / 50 Hz



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Project No. : 250919-1429 Temp/Humi: 23 'C / 51 % R.H.
Test Mode : Operating Tested by: AHN H Y
Power : AC 100 V / 50 Hz Measure distance : 3.7 m



No.	Freq MHz	RD		C.F	Result		Limit		Margin		Height	Angle	Polarity
		PK dBuV	AV dBuV		PK dBuV	AV dBuV	PK dBuV	AV dBuV	PK dB	AV dB			
2.	1001.25	51.26	35.51	-5.80	45.46	29.71	76.00	56.00	30.54	26.29	100	79	vertical
4.	2227.50	45.70	33.90	3.63	49.33	37.53	76.00	56.00	26.67	18.47	100	99	vertical
6.	2970.00	42.08	25.50	7.16	49.24	32.66	76.00	56.00	26.76	23.34	100	318	vertical

Remarks: C.F (Correction Factor) = Antenna factor + Cable loss + Measure distance - Preamp gain

Radiated Emissions (Above 1 GHz) / H / 60 Hz



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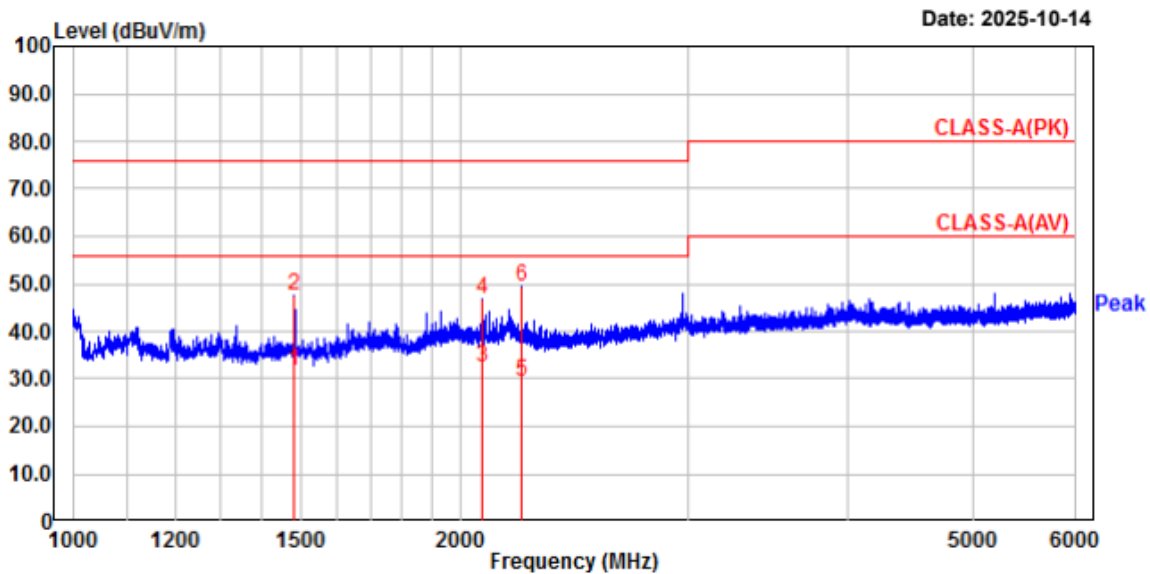
Temp/Humi: 23 'C / 51 % R.H.

Test Mode : Operating

Tested by: AHN H Y

Power : AC 100 V / 60 Hz

Measure distance : 3.7 m



No.	Freq	RD	RD	C.F	Result	Result	Limit	Limit	Margin	Margin	Height	Angle	Polarity
	MHz	PK	AV	dB	PK	AV	PK	AV	PK	AV	cm	deg	
		dBuV	dBuV		dBuV	dBuV	dBuV	dBuV	dB	dB			
2.	1485.00	49.08	33.50	-1.63	47.45	31.87	76.00	56.00	28.55	24.13	100	156	horizontal
4.	2078.75	42.96	28.46	3.94	46.90	32.40	76.00	56.00	29.10	23.60	100	136	horizontal
6.	2227.50	45.66	25.90	3.63	49.29	29.53	76.00	56.00	26.71	26.47	100	36	horizontal

Remarks: C.F (Correction Factor) = Antenna factor + Cable loss + Measure distance - Preamp gain

Radiated Emissions (Above 1 GHz) / V / 60 Hz



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Project No. : 250919-1429

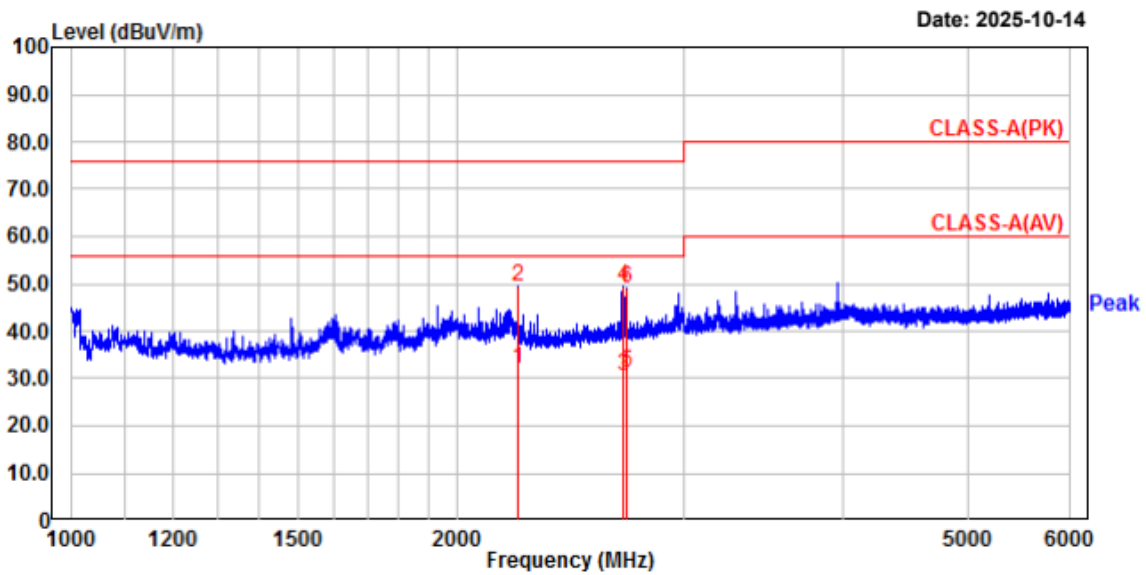
Temp/Humi: 23 'C / 51 % R.H.

Test Mode : Operating

Tested by: AHN H Y

Power : AC 100 V / 60 Hz

Measure distance : 3.7 m



No.	Freq	RD	RD	C.F	Result	Result	Limit	Limit	Margin	Margin	Height	Angle	Polarity
	MHz	PK	AV	dB	PK	AV	PK	AV	PK	AV	cm	deg	
		dBμV	dBμV		dBμV	dBμV	dBμV	dBμV	dB	dB			
2.	2227.50	45.78	28.50	3.63	49.41	32.13	76.00	56.00	26.59	23.87	100	83	vertical
4.	2695.63	43.33	24.48	6.05	49.38	30.53	76.00	56.00	26.62	25.47	100	325	vertical
6.	2708.13	43.12	25.10	6.10	49.22	31.20	76.00	56.00	26.78	24.80	100	15	vertical

Remarks: C.F (Correction Factor) = Antenna factor + Cable loss + Measure distance - Preamp gain

APPENDIX A

TEST EQUIPMENT AND ANCILLARIES USED FOR TESTS

To facilitate inclusion on each page of the test equipment used for related tests, each item of test equipment are identified by the Test Laboratory.

Conducted Emissions

	Item	Model Name	Manufacturer	Serial No.	Next Cal.	Interval
☒	EMI TEST Receiver	ESR	Rohde & Schwarz	101499	2026.03.05	1 year
☒	Pulse Limiter	ESH3-Z2	Rohde & Schwarz	100710	2026.03.05	1 year
☐	ISN	ISN T800	TESEQ	27109	2026.08.20	1 year
☒	ISN	ENY81-CA6	Rohde & Schwarz	101565	2026.08.20	1 year
☐	ISN	ISN S8	Schwarzbeck	79	2026.08.18	1 year
☐	CURRENT PROBE	EZ-17	Rohde & Schwarz	100508	2026.08.19	1 year
☐	CDN	TSCDN-C1-BNC-75	F.C.C	07004	2026.03.05	1 year
☐	LISN	ESH3-Z6	Rohde & Schwarz	100378	2026.08.18	1 year
☐	LISN	ESH3-Z6	Rohde & Schwarz	101468	2026.08.18	1 year
☒	LISN(main)	ENV216	Rohde & Schwarz	102872	2026.08.18	1 year
☒	LISN(sub)	ENV216	Rohde & Schwarz	101222	2026.08.18	1 year
☒	TEST PROGRAM	e3_ce 20181212a (V9)	AUDIX	-	-	-

Radiated Emissions – Below 1 GHz

	Item	Model Name	Manufacturer	Serial No.	Next Cal.	Interval
☒	EMI TEST Receiver	ESCI7	Rohde & Schwarz	100772	2026.08.18	1 year
☒	Amplifier	310N	SONOMA INSTRUMENT	240504	2026.03.11	1 year
☒	BILOG Antenna	VULB 9168	SCHWARZBECK	749	2027.03.13	2 year
☒	TEST PROGRAM	e3 20181212a (V9)	AUDIX	-	-	-

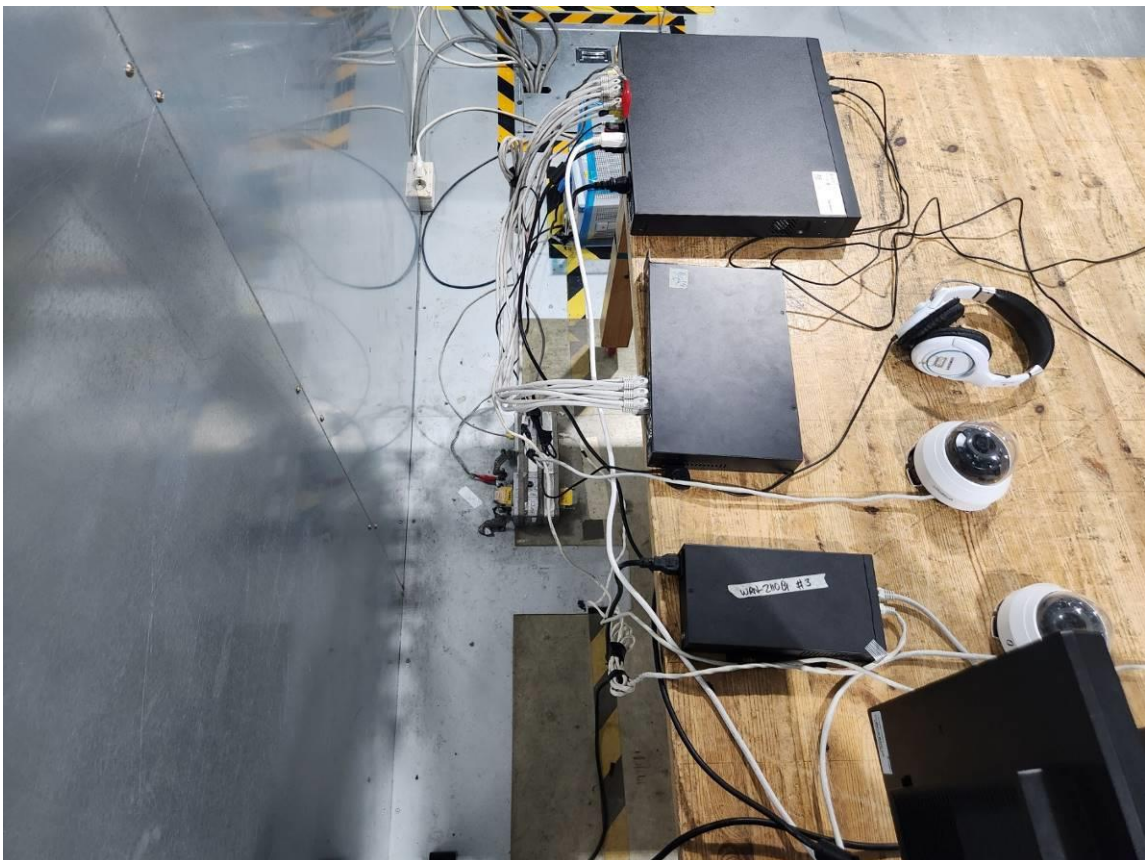
Radiated Emissions – Above 1 GHz

	Item	Model Name	Manufacturer	Serial No.	Next Cal.	Interval
☒	EMI TEST Receiver	ESCI7	Rohde & Schwarz	100772	2026.08.18	1 year
☒	Amplifier	8449B	Agilent	3008A02126	2026.03.05	1 year
☒	HORN ANTENNA	3115	ETS	114105	2026.03.24	1 year
☒	TEST PROGRAM	e3 20181212a (V9)	AUDIX	-	-	-

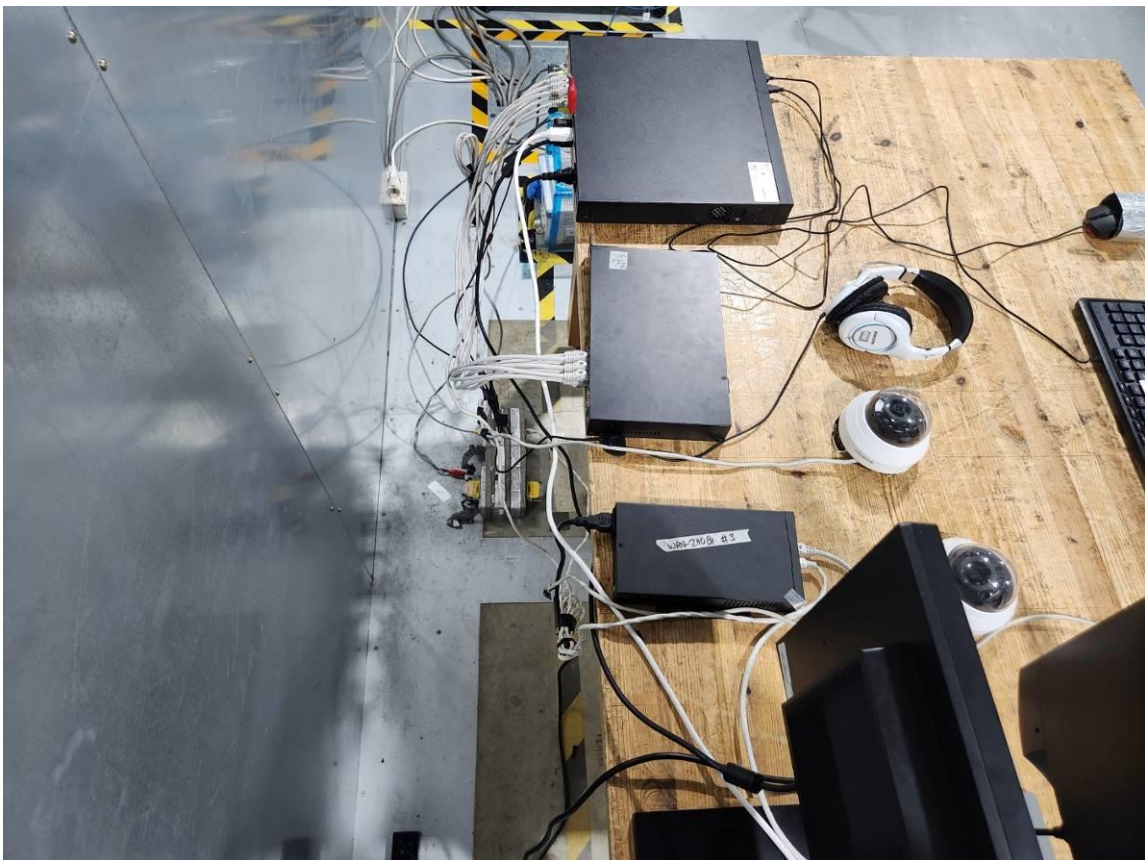
APPENDIX B

PHOTOGRAPHS

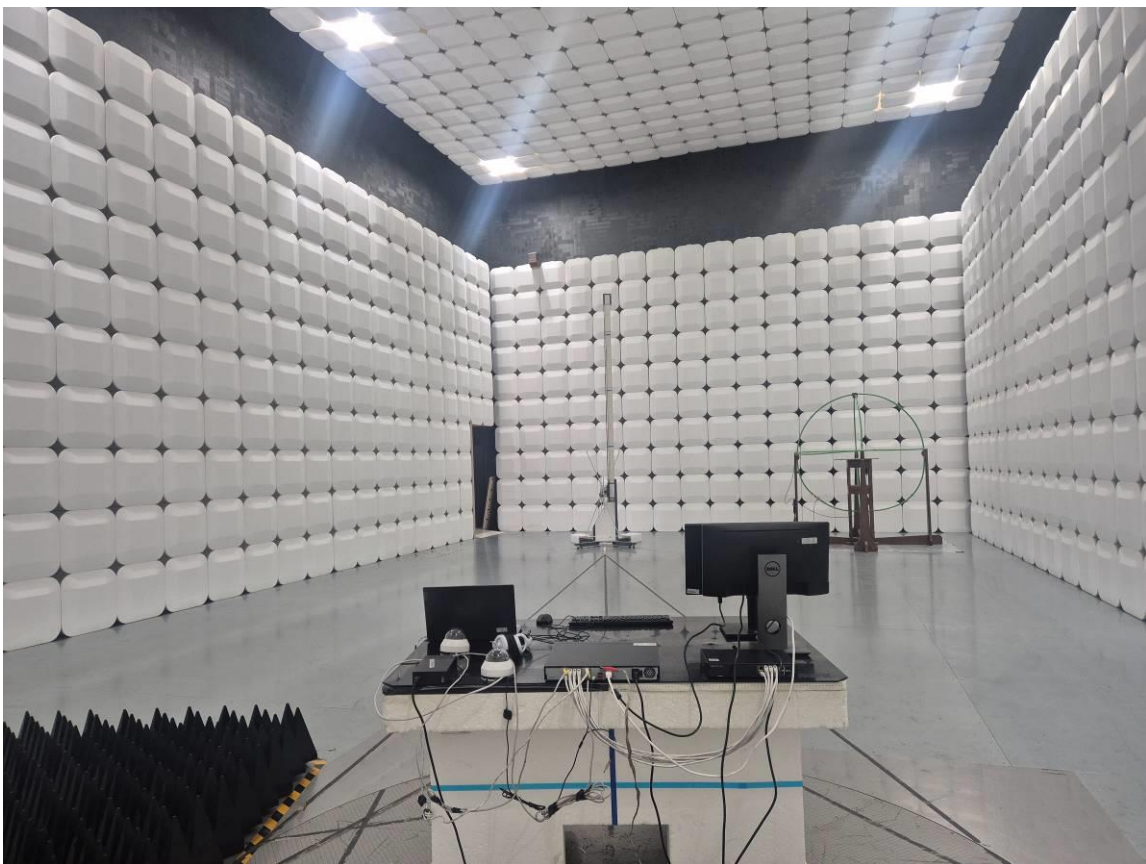
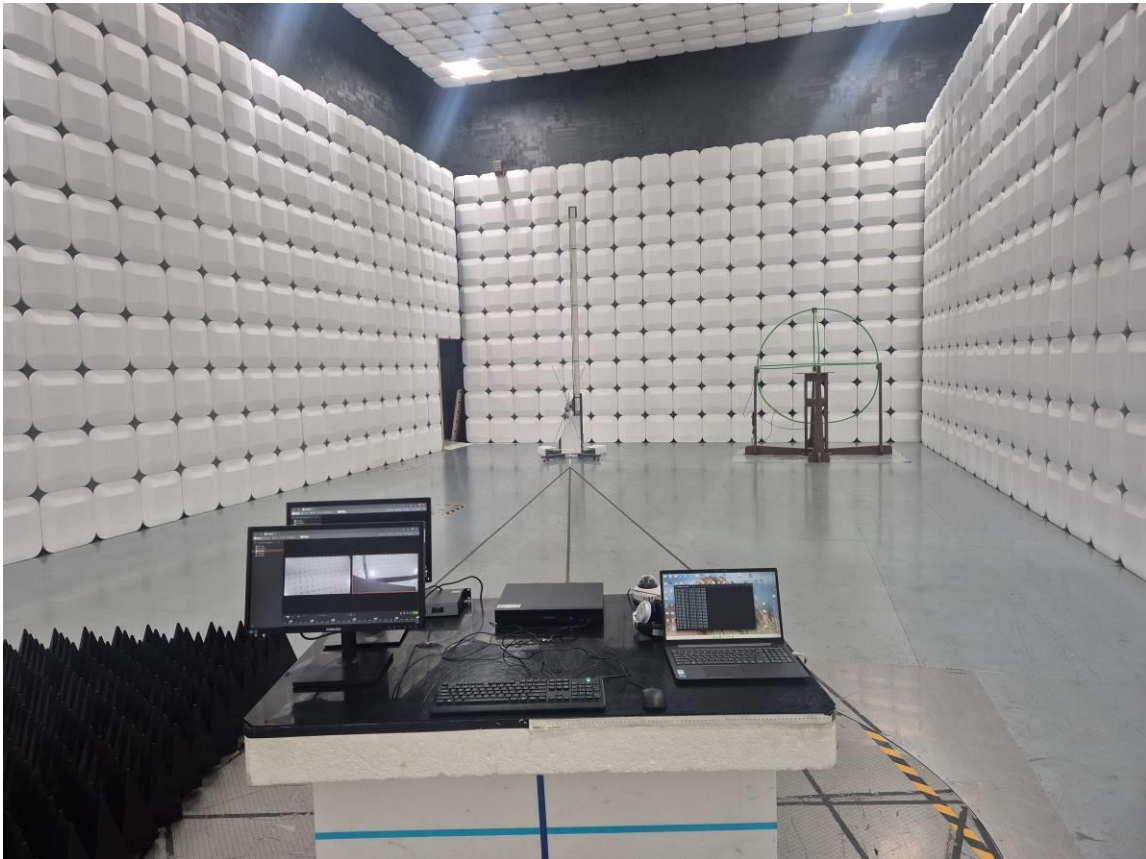
Conducted Emissions



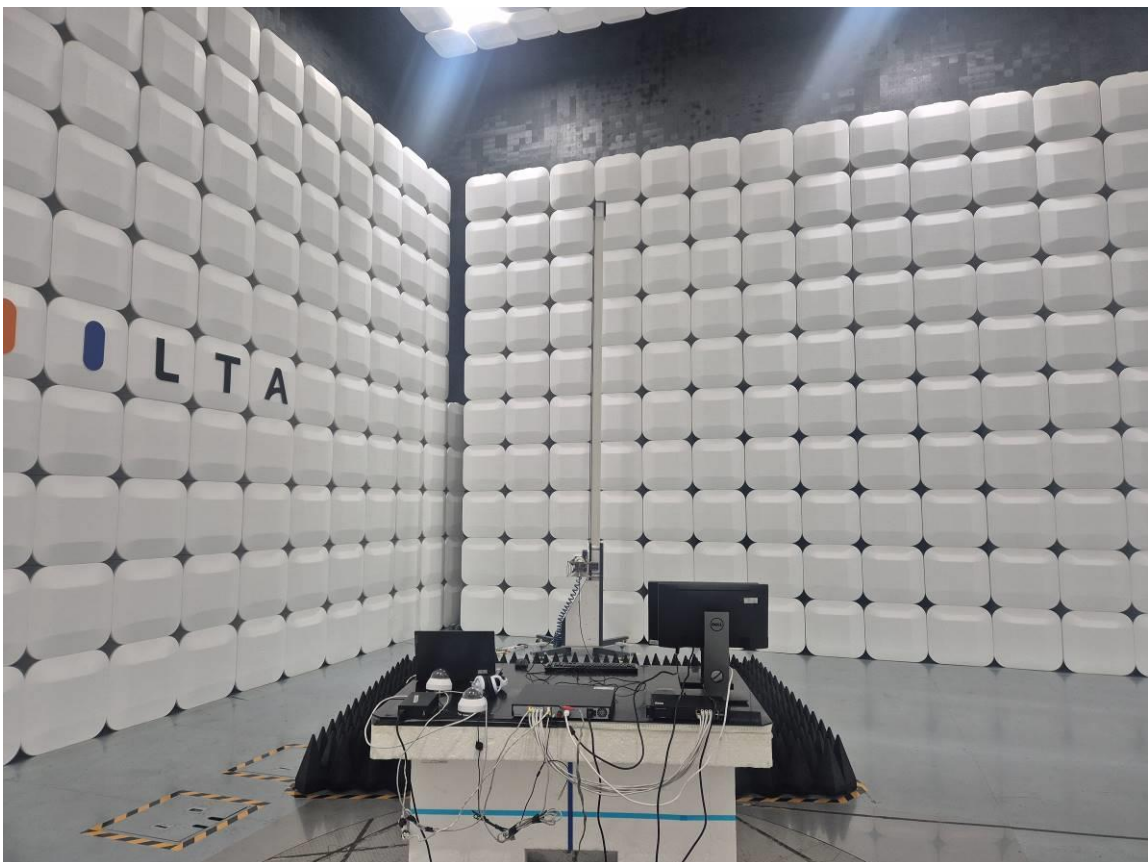
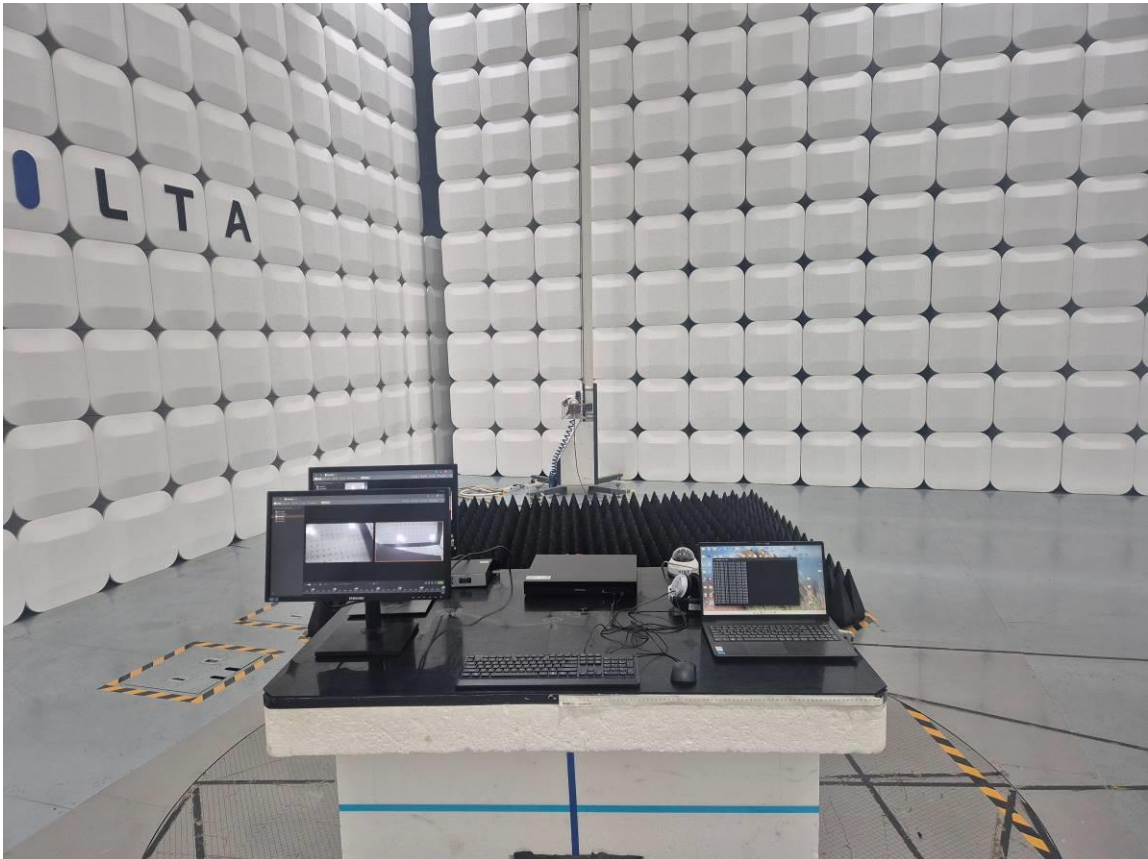
Conducted Emissions (TEL)



Radiated Emissions - Below 1 GHz



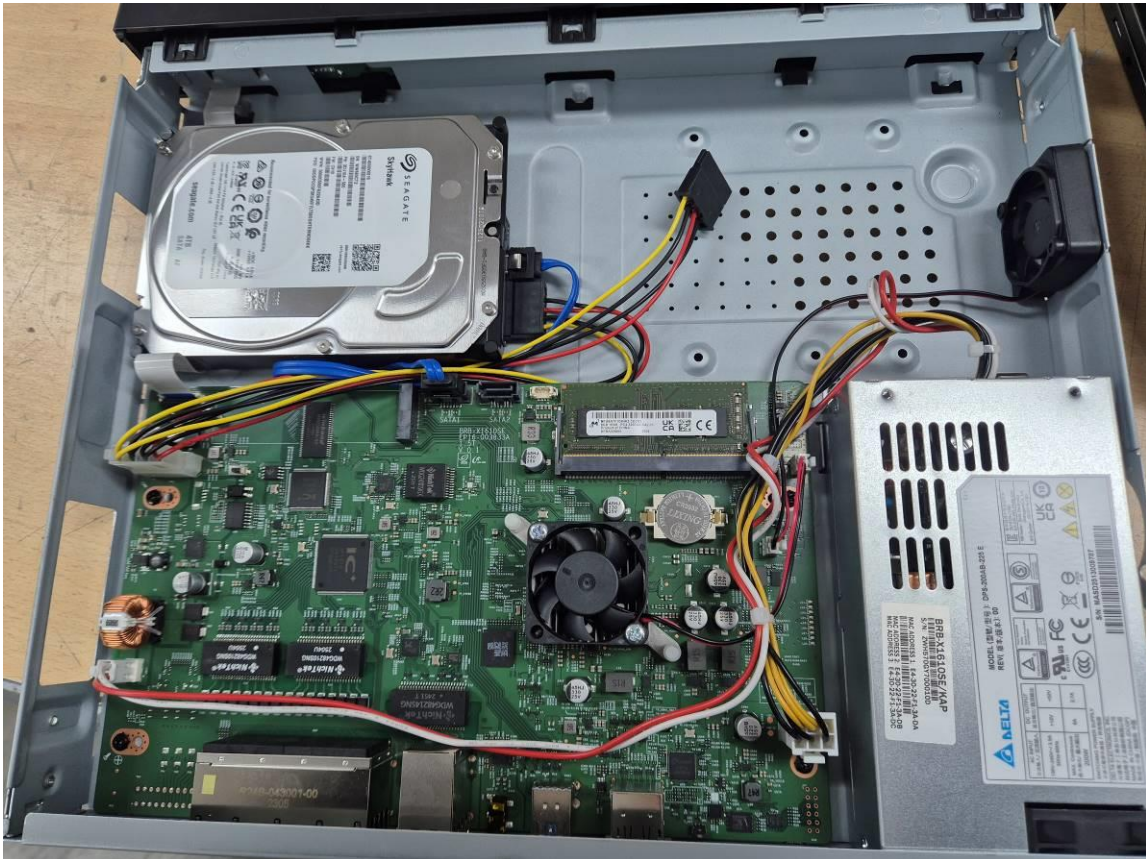
Radiated Emissions - Above 1 GHz



EUT



EUT



Modification

