



TEST REPORT



Report No. : KES-EM260815

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KES Co., Ltd.

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Tel : +82-31-425-6200, Fax : +82-31-341-3838

1. Client

- Name : Hanwha Vision Co., Ltd.
- Address : 6, Pangyo-ro 319beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea

2. Sample Description

- Product item : Public View Monitor
- Model name : SMT-2221PV
- Variant model : SMT-2221PVW
- Manufacturer etc. : GTT Co., Ltd
- Manufacturer address : 502, Pyeonghwa-ro, Paju-si, Gyeonggi-do, 10847 Korea

3. Date of test : 2026. 03. 30. ~ 2026. 04. 01.

4. Location of Test : Permanent Testing Lab
○ Address : 473-21, Gayeo-ro, Yeoju-si, Gyeonggi-do, 12658, Republic of Korea

5. Test method used : FCC 47 CFR Part 15, Subpart B (ANSI C63.4a-2017),
IC ICES-003 Issue 7 (ANSI C63.4a-2017)

6. Test result : PASS

The results shown in this test report refer only to the sample(s) tested unless otherwise stated.

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This laboratory is not accredited for the test results marked *.

This test report is not related to KOLAS accreditation.

Affirmation	Tested by	Technical Manager by
	Name : SeHeon Kim	Name : DongHun Jang

2026. 04. 07.

KES Co., Ltd.

**REPORT REVISION HISTORY**

Date	Test Report No.	Revision History
2026. 04. 07.	KES-EM260815	Issued

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Use of uncertainty of measurement for decisions on conformity (decision rule):

- ☒ No decision rule is specified by the standard, when comparing the measurement result with the applicable limit according to the specification in that standard. The decisions on conformity are made without applying the measurement uncertainty("simple acceptance" decision rule, previously known as "accuracy method").
- ☐ Other (to be specified, for example when required by the standard or client)



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1 Laboratory Information

1.1 Test Location

Category	Details
Address	473-21, Gayeo-ro, Yeosu-si, Gyeonggi-do, 12658, Republic of Korea
Telephone Number	031-883-5092
Facsimile Number	031-883-5169

The measurement facility is located at 473-21, Gayeo-ro, Yeosu-si, Gyeonggi-do, 12658, Korea, Republic of. The sites are constructed in conformance with the requirements of ANSI C63.4a-2017 and CISPR 16-1-4:2019

1.2 Laboratory Accreditations and Listings

Country	Agency	Scope of Accreditation	Logo
KOREA	RRA	EMI (3 m & 10 m Semi-Anechoic Chamber and conducted test site) EMS (ESD, RS, EFT/Burst, Surge, CS, Magnetic, Dips and interruptions)	 KR0100
International	KOLAS	EMI (3 m & 10 m Semi-Anechoic Chamber and conducted test site) EMS (ESD, RS, EFT/Burst, Surge, CS, Magnetic, Dips and interruptions)	 KT489
USA	FCC	3 m & 10 m Semi-Anechoic Chamber Conducted test site to perform FCC Part 15/18 measurements.	 KR0100
Canada	ISED	3 m & 10 m Semi-Anechoic Chamber and Conducted test site	 23298
JAPAN	VCCI	EMI (3 m & 10 m Semi-Anechoic Chamber and conducted test site)	 C-20136, T-20137, R-20181, G-20176
Europe	TÜV SÜD	EMI (3 m & 10 m Semi-Anechoic Chamber and conducted test site) EMS (ESD, RS, EFT/Burst, Surge, CS, Magnetic, Dips and interruptions)	 CARAT 001633 0008



2 Test Summary

2.1 Class and Voltage

Test Class	Test Voltage
Class A	AC 120 V, 60 Hz

2.2 Summary of Test Results

Regulation			
47 CFR Part 15, Subpart B, ICES-003 Issue 7			
Test Item	Test Standard	Test Result	Remark
Conducted Emissions at Mains Power Ports	ANSI C63.4a-2017	PASS	-
Radiated Emissions(Below 1 GHz)		PASS	-
Radiated Emissions(Above 1 GHz)		PASS	NOTE 1
* N/A: Not Applicable			
(NOTE 1) Since the maximum operating frequency exceeds 1 000 MHz, the measurement is conducted up to the 5th harmonic.			

2.3 Remarks when standards applied

- The USB port was excluded from the test as a port for administrators.

2.4 Variant Model Differences

- Add derivatives due to color differences.
(Basic: Black, Derivative: White)

2.5 Device Modifications

N/A



3 General Product Description

Division	Specificity
Internal maximum operating frequency	1 500 Mhz

SMT-2221PV		
Display		
Type		LED Monitor
Screen Size		22"(21.5")
Max. Resolution		1920*1080 60Hz (FHD)
Brightness		250cd/m ²
Contrast Ratio		1000:1
Aspect Ratio		16:9
Viewing Angle (H/V)		178°/178°
Display Color		16.7M Colors
Response Time		14 ms
Video System		None
Panel Life		30,000 hours
Filter Type		None
Interface		
Video	Connectors	Camera(Internal)
	Output Signal	Speakers : 8Ω 1Wx 2
Alarm	Alarm I/O	Input 1ea / Output 1ea
Network	Ethernet	1 RJ-45 10/100BASE-T,
General	Edge Storage	Micro SD/SDHC/SDXC 1slot 256GB
Application Support		None
On Screen Display		
Functions		VESA™ DPMS Compatible
Language		English, Spanish, French
General		
Electrical	Input Voltage	DC24V, HPOE 802.3bt
	Power Consumption	22.5W (Typ.)
Environmental	Operating Temperature	0 ~ +40°C (+32°F ~ +104°F)
	Operating Humidity	10% ~ 80% (non-condensing)
Mechanical	Dimensions with Stand (WxDxH)	None
	Dimensions without Stand (WxDxH)	300.0mm x 48.0mm x 573.0mm
	Weight	5.45 Kg
	Protection Glass	None
	Cabinet Color	Black
	Wall Mounts	None
	VESA Mounts Interface	VESA 100 x 100mm



Camera		
Video	Imaging Device	1/2.8" 2MP CMOS
	Max. Framerate	H.265/H.264: Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max. 15fps/12fps(60Hz/50Hz)
	Min. Illumination	Color: 0.03Lux (F1.6, 1/30sec)
Lens	Focal Length (Zoom Ratio)	3.06mm fixed focal
	Max. Aperture Ratio	F1.6
	Angular Field of View	H: 107.7° / V: 59.0° / D: 126.7°
Operational	Backlight Compensation	BLC, WDR, SSDR
	Wide Dynamic Range	120dB
	Digital Noise Reduction	SSNR V, WiseNR II (Based on AI engine)
	Motion Detection	8ea, 8point Polygonal zones
	Privacy Masking	32ea, 4point Quadrangle zones
	Gain Control	Low / Middle / High
	White Balance	ATW / AWC / Manual / Indoor / Outdoor
	LDC	Support
	Electronic Shutter Speed	Minimum / Maximum / Anti flicker (1/5~1/12,000sec)
	Digital PTZ	Support
	Video Rotation	Flip, Mirror, Hallway view(90°/270°)
	Analytics	Classified object type: Person/Face Attributes: Not support Support DetectionShot Analytics events based on AI engine - Motion detection, Object detection, Virtual line(Crossing/Direction), Virtual area(Loitering/Intrusion/Enter/Exit) Analytics events - Defocus detection, Tampering, Virtual area(Appear/Disappear)
	Business Intelligence	People counting, Queue management, Heatmap based on AI engine
	Alarm Triggers	Analytics, Network disconnect, Alarm input
Network	Smart Codec	WiseStream III
	Security	None
	Application Programming Interface	ONVIF Profile S/G/T/M SUNAPI(HTTP API)
General	Memory	2GB RAM, 1GB Flash
Security	OS / Firmware Protect	Secure boot, Signed firmware, Firmware encryption
	User authentication	Digest Authentication, Prevent brute-force attack
	Network authentication	802.1X Authentication(EAP-TLS, EAP-LEAP, EAP-PEAP MSCHAPv2)
	Secure Communication	HTTPS, SRTP, WSS(Websocket secure)
	Access Control	Access control based on IP address
	Data Protect	Authentication information encryption, ZIP compression encryption
	Audit	User Access/System/Event log management
	Device ID	Device Certificate(Hanwha Private Root CA)
	Secure Storage	SDcard partition encrypt
	Security Certificate	None



4 EUT Setup and Operation Mode

4.1 EUT Configuration

Product Name	Model Number	Serial Number	Manufacturer	Remarks
Public View Monitor	SMT-2221PV	-	GTT Co., Ltd	EUT
AC/DC Adapter	FSP060-DAAN3	-	Zhonghan Electronics (Shenzhen) Co., Ltd.	-
PoE Injector	PT-PSE109GBRO-AH-S	-	Dongguan PROCET Network Technology Co.,Ltd	-
Laptop	NT550XDZ	-	Samsung Electronics	-
Laptop AC/DC Adapter	AD-4019A	-	Chicony	-
Alarm	PRO-SL	-	SENSOR PRO	-
Button Alarm	-	-	-	-
Micro SD Card	-	-	SanDisk	-

4.2 System Configuration

Product Name	Model Number	Serial Number	Manufacturer	Remarks
Remote Control	-	-	-	-



4.3 External I/O Cabling

Mode 1

Start		End		Cable Spec.	
Product Name	I/O Port	Product Name	Product Name	I/O Port	Product Name
EUT	DC Jack	AC/DC Adapter	DC Jack	1.5	U
	RJ-45 (LAN)	PoE Injector	RJ-45 (LAN)	3.5	U
	Alarm OUT	Alarm	Alarm IN	3.1	U
	Alarm IN	Button Alarm	Alarm OUT	3.1	U
	Micro SD Slot	Micro SD Card	Micro SD Slot	-	-
PoE Injector	RJ-45	Laptop	RJ-45	1.5	U
Laptop	DC Jack	Laptop AC/DC Adapter	DC Jack	1.5	U

Mode 2

Start		End		Cable Spec.	
Product Name	I/O Port	Product Name	Product Name	I/O Port	Product Name
EUT	RJ-45 (PoE)	PoE Injector	RJ-45 (PoE)	3.5	U
	Alarm OUT	Alarm	Alarm IN	3.1	U
	Alarm IN	Button Alarm	Alarm OUT	3.1	U
	Micro SD Slot	Micro SD Card	Micro SD Slot	-	-
PoE Injector	RJ-45	Laptop	RJ-45	1.5	U
Laptop	DC Jack	Laptop AC/DC Adapter	DC Jack	1.5	U

* Unshielded=U, Shielded=S

4.4 EUT Operating Mode(s)

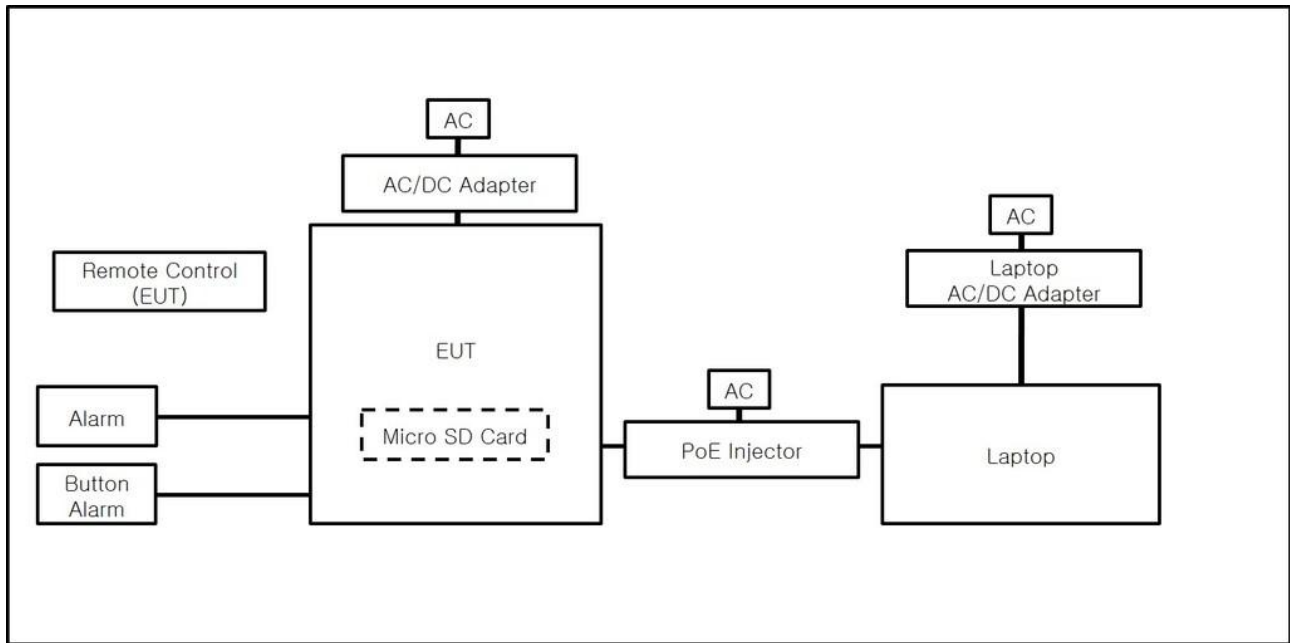
Category	Mode	Operating
Mode 1	DC Power	- View images of the EUT through Web Viewer in Laptop. - Verify the alarm operation by pressing the alarm button.
Mode 2	PoE Power	- Check the network of the EUT through Ping test on Laptop. - Check the files stored on the Micro SD Card after testing.

4.5 Test operating S/W

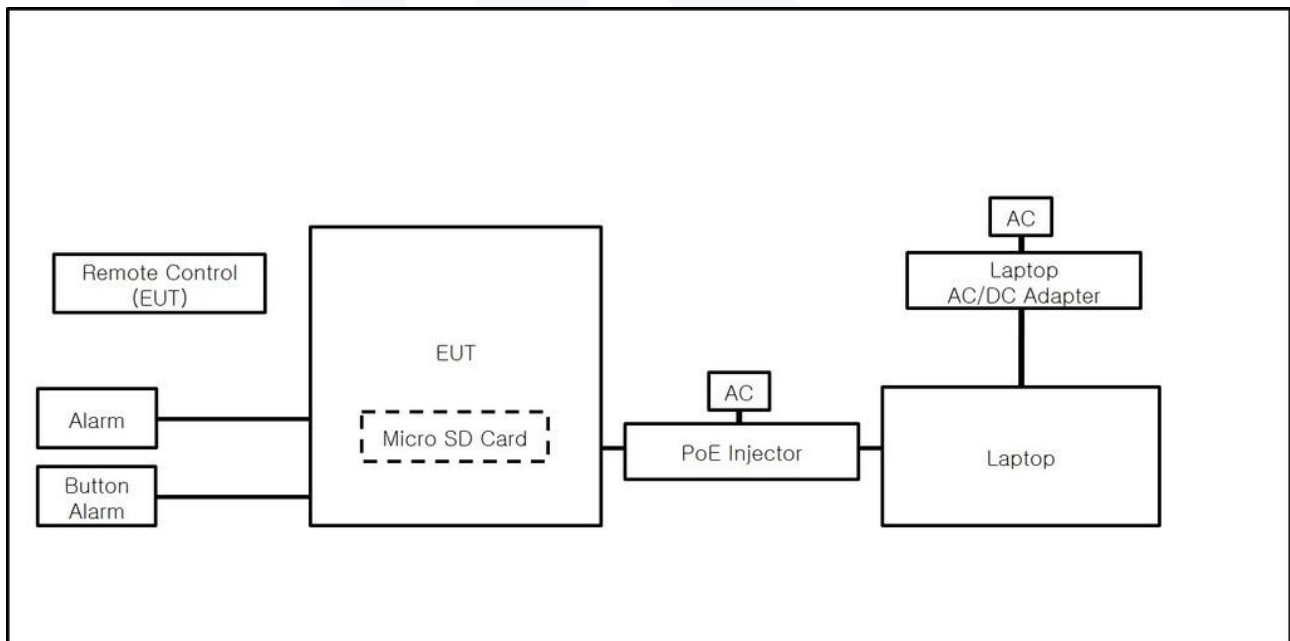
Name	Version	Manufacture Company
Web Viewer	-	Hanwha Vision Co., Ltd.



4.6 Configuration



Mode 1



Mode 2



5 Measurement Procedure

- Conducted Emissions

The conducted emission levels were measured on each current-carrying line with the spectrum analyzer operating in the CISPR quasi-peak mode (or peak mode if applicable). The initial step in collecting conducted data is a spectrum analyzer peak scan of the measurement range. If the conducted emission exceed the average limit with the instrument set to the quasi-peak mode, the measurements are made in the average mode. The emission spectrum was scanned from 150 kHz to 30 MHz. The highest emission amplitudes relative to the appropriate limits were measured and have been recorded. Quasi-peak readings are distinguished with a "QP".

- Radiated Electric Field Emissions

The test was done at a SEMI ANECHOIC CHAMBER with quasi-peak detector. The final test data was measured using a Quasi-Peak detector below 1 GHz at 10 m or 3 m distance and a Peak and Average detector above 1 GHz at 3 m distance. Test was proceeded worst case test mode and cable configuration. Measurements were made with the antenna positioned in both the horizontal and vertical planes of polarization. The antenna height was varied from 1 m to 4 m and the EUT was rotated 360° to find the maximum emitting point for each frequency.

Measurement procedures was In accordance with ANSI C63.4 or CISPR 32.

◆ Calculation

- Conducted Emissions

$\text{QuasiPeak[dBuV]} / \text{CAverage[dBuV]} = \text{Reading Value[dBuV]} + \text{Corr. [dB]}$

QuasiPeak / CAverage : The Final Value

Reading Value : Not shown in the table.

Corr. : Correction values (LISN FACTOR + (Cable Loss + Pulse Limiter FACTOR))

- Radiated Emissions(Below 1 GHz)

$\text{Result(QP) [dB(}\mu\text{V/m)}] = (\text{Reading(QP)[dB(}\mu\text{V)}] + \text{c.f[dB(1/m)}]$

$\text{Margin(QP)[dB]} = \text{Limit[dB(}\mu\text{V/m)}] - \text{Result(QP) [dB(}\mu\text{V/m)}]$

Reading(QP) : Reading value, Result(QP) : Reading value + Factor value

Limit(QP) : Limit value, c.f : (ANT Factor + Cable Loss - Preamp Factor), Margin: Margin value

- Radiated Emissions(Above 1 GHz)

$\text{Result(PK/CAV) [dB(}\mu\text{V/m)}] = (\text{Reading(PK/CAV)[dB(}\mu\text{V)}] + \text{c.f[dB(1/m)}]$

$\text{Margin(PK/CAV)[dB]} = \text{Limit[dB(}\mu\text{V/m)}] - \text{Result(PK/CAV) [dB(}\mu\text{V/m)}]$

Reading(PK/CAV) : Reading value, Result(PK/CAV) : Reading value + Factor value

Limit(PK/CAV) : Limit value, c.f : (ANT Factor + Cable Loss - Preamp Factor), Margin: Margin value



6 Test Item

6.1 Conducted Emissions at Mains Power Ports

6.1.1 Test Equipment

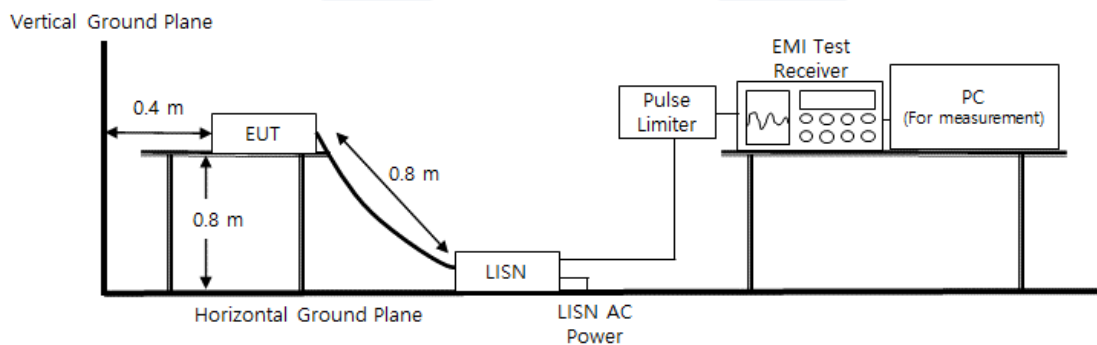
Equipment Name	Model Number	Manufacturer	Serial No.	Cal. Date	Next Cal. Date	Used
SHIELD ROOM #6	-	DYMSTEC	-	-	-	■
EMC32 Measurement Software	EMC32	R&S	9.12.00	-	-	■
EMI TEST RECEIVER	ESR3	Rohde & Schwarz	101783	2025-11-03	2026-11-03	■
LISN	ENV216	Rohde & Schwarz	101787	2025-09-04	2026-09-04	■
ARTIFICIAL MAINS NETWORK	ESH2-Z5	Rohde & Schwarz	100450	2025-11-03	2026-11-03	■
PULSE LIMITER	ESH3-Z2	Rohde & Schwarz	101915	2025-11-03	2026-11-03	■

6.1.2 Test Location : SHIELD ROOM #6

6.1.3 Test Conditions :

Temperature	Relative Humidity
(22.6 ~ 22.6) °C	(35.9 ~ 35.9) % R.H.

6.1.4 Diagram of test setup



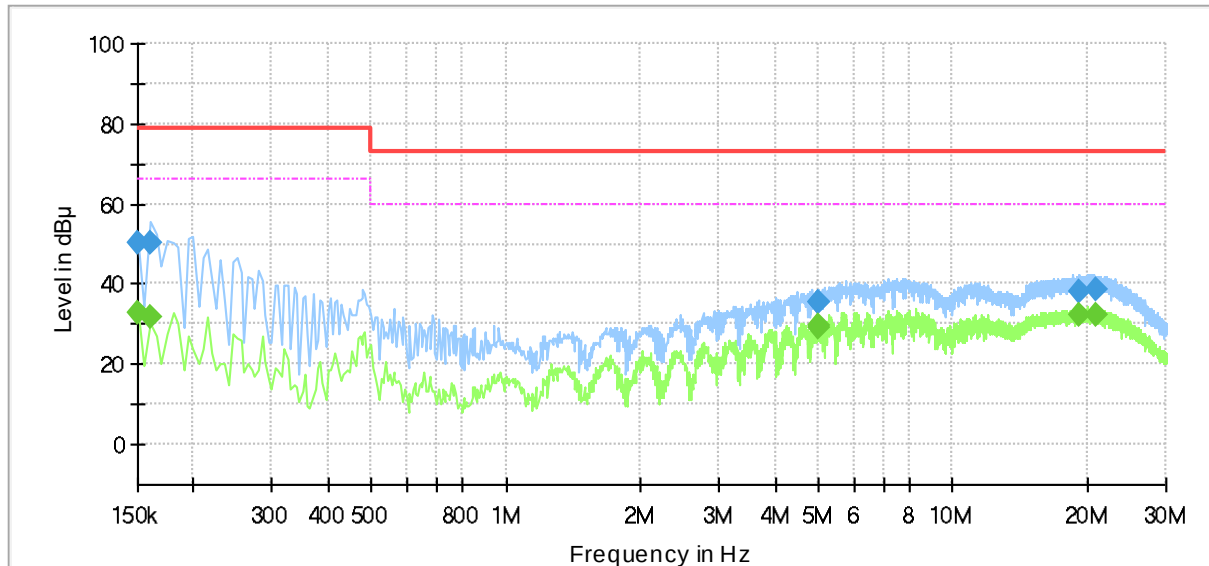


6.1.5 Test Result

- Test Date : 2026-03-30
- Test Mode : Mode 1

Test Report

Test Description: Conducted Emission
Job No.: KES-EM260815
Phase: L
Mode: Mode 1
Operator Name: KES



Final_Result

Frequency (MHz)	QuasiPeak (dB μV)	CAverage (dB μV)	Limit (dB μV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.150000	—	32.80	66.00	33.20	1000.0	9.000	L1	19.4
0.150000	50.52	—	79.00	28.48	1000.0	9.000	L1	19.4
0.160000	—	31.67	66.00	34.33	1000.0	9.000	L1	19.4
0.160000	50.36	—	79.00	28.64	1000.0	9.000	L1	19.4
4.995000	—	29.50	60.00	30.50	1000.0	9.000	L1	19.8
4.995000	35.39	—	73.00	37.61	1000.0	9.000	L1	19.8
5.005000	—	29.38	60.00	30.62	1000.0	9.000	L1	19.8
5.005000	35.42	—	73.00	37.58	1000.0	9.000	L1	19.8
19.170000	—	32.23	60.00	27.77	1000.0	9.000	L1	20.2
19.170000	38.25	—	73.00	34.75	1000.0	9.000	L1	20.2
20.840000	—	32.31	60.00	27.69	1000.0	9.000	L1	20.3
20.840000	38.48	—	73.00	34.52	1000.0	9.000	L1	20.3



Report No. : KES-EM260815

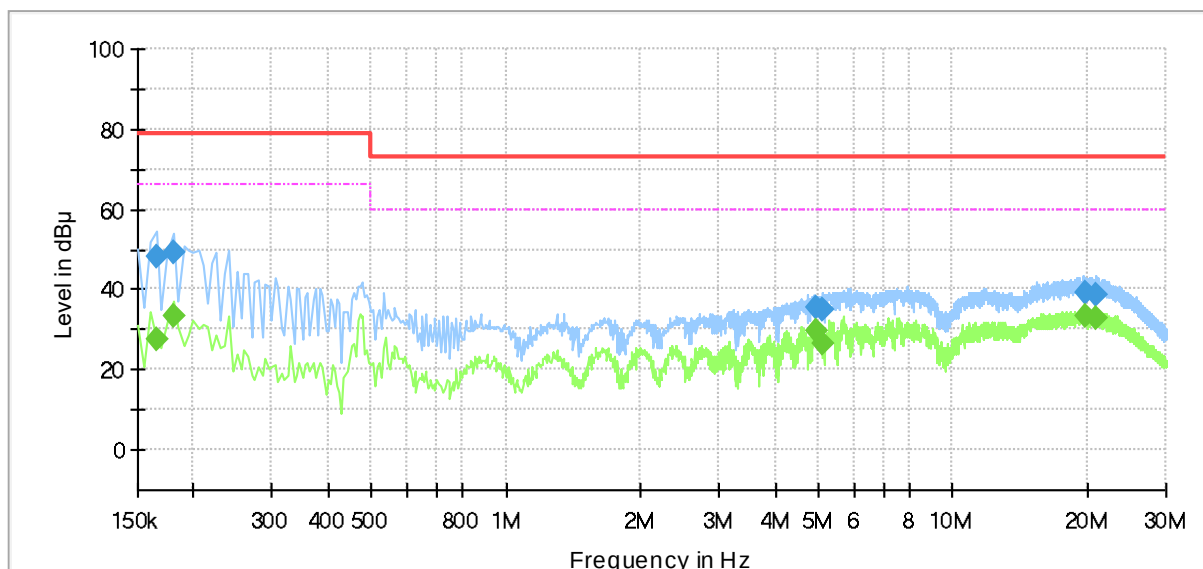
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○ Test Date : 2026-03-30

● Test Mode : Mode 1

Test Report

Test Description: Conducted Emission
Job No.: KES-EM260815
Phase: N
Mode: Mode 1
Operator Name: KES



Final_Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.165000	—	27.69	66.00	38.31	1000.0	9.000	N	19.4
0.165000	48.11	—	79.00	30.89	1000.0	9.000	N	19.4
0.180000	—	33.20	66.00	32.80	1000.0	9.000	N	19.4
0.180000	49.12	—	79.00	29.88	1000.0	9.000	N	19.4
4.955000	—	29.51	60.00	30.49	1000.0	9.000	N	19.8
4.955000	35.41	—	73.00	37.59	1000.0	9.000	N	19.8
5.100000	—	26.65	60.00	33.35	1000.0	9.000	N	19.8
5.100000	35.13	—	73.00	37.87	1000.0	9.000	N	19.8
19.880000	—	33.12	60.00	26.88	1000.0	9.000	N	20.3
19.880000	39.22	—	73.00	33.78	1000.0	9.000	N	20.3
20.815000	—	32.69	60.00	27.31	1000.0	9.000	N	20.3
20.815000	38.80	—	73.00	34.20	1000.0	9.000	N	20.3



Report No. : KES-EM260815

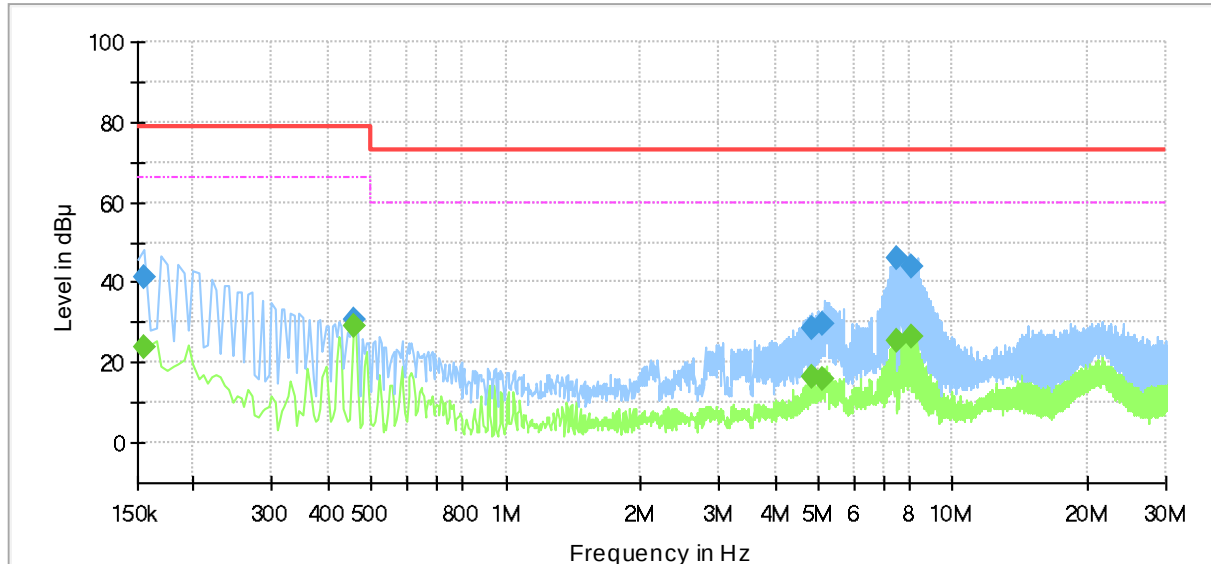
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○ Test Date : 2026-03-30

● Test Mode : Mode 2

Test Report

Test Description: Conducted Emission
Job No.: KES-EM260815
Phase: L
Mode: Mode 2
Operator Name: KES



Final_Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.155000	—	23.70	66.00	42.30	1000.0	9.000	L1	19.4
0.155000	41.54	—	79.00	37.46	1000.0	9.000	L1	19.4
0.455000	—	29.10	66.00	36.90	1000.0	9.000	L1	19.5
0.455000	30.58	—	79.00	48.42	1000.0	9.000	L1	19.5
4.820000	—	16.69	60.00	43.31	1000.0	9.000	L1	19.8
4.820000	28.50	—	73.00	44.50	1000.0	9.000	L1	19.8
5.100000	—	16.16	60.00	43.84	1000.0	9.000	L1	19.8
5.100000	29.75	—	73.00	43.25	1000.0	9.000	L1	19.8
7.455000	—	25.19	60.00	34.81	1000.0	9.000	L1	19.9
7.455000	46.02	—	73.00	26.98	1000.0	9.000	L1	19.9
8.075000	—	26.34	60.00	33.66	1000.0	9.000	L1	19.9
8.075000	44.15	—	73.00	28.85	1000.0	9.000	L1	19.9



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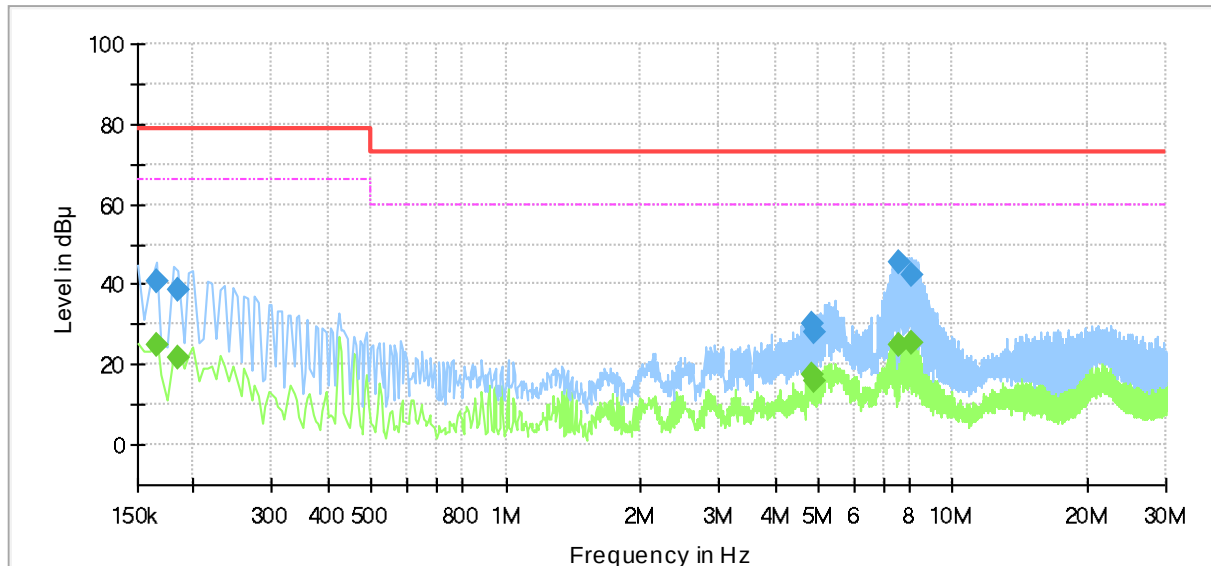
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○ Test Date : 2026-03-30

● Test Mode : Mode 2

Test Report

Test Description: Conducted Emission
Job No.: KES-EM260815
Phase: N
Mode: Mode 2
Operator Name: KES



Final_Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.165000	—	25.14	66.00	40.86	1000.0	9.000	N	19.4
0.165000	40.79	—	79.00	38.21	1000.0	9.000	N	19.4
0.185000	—	21.97	66.00	44.03	1000.0	9.000	N	19.4
0.185000	38.48	—	79.00	40.52	1000.0	9.000	N	19.4
4.820000	—	17.49	60.00	42.51	1000.0	9.000	N	19.8
4.820000	30.19	—	73.00	42.81	1000.0	9.000	N	19.8
4.880000	—	15.70	60.00	44.30	1000.0	9.000	N	19.8
4.880000	28.05	—	73.00	44.95	1000.0	9.000	N	19.8
7.575000	—	24.94	60.00	35.06	1000.0	9.000	N	19.9
7.575000	45.46	—	73.00	27.54	1000.0	9.000	N	19.9
8.070000	—	25.20	60.00	34.80	1000.0	9.000	N	19.9
8.070000	42.42	—	73.00	30.58	1000.0	9.000	N	19.9

6.1.6 Remark

Complies with the test requirements.



6.2 Radiated Emissions(Below 1 GHz)

6.2.1 Test Equipment

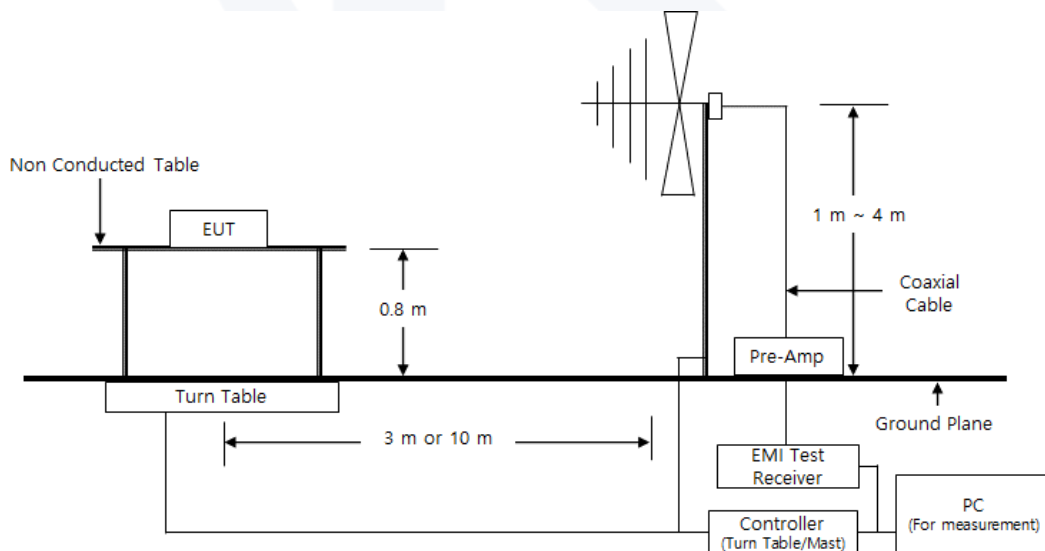
Equipment Name	Model Number	Manufacturer	Serial No.	Cal. Date	Next Cal. Date	Used
SEMI ANECHOIC CHAMBER #4(10 m)	-	DYMSTEC	-	-	-	■
EP5/RE Software	EP5/RE	TOYO	6.0.0	-	-	■
EMI TEST RECEIVER	ESU26	Rohde & Schwarz	100551	2026-02-12	2027-02-12	■
AMPLIFIER	SCU 01	Rohde & Schwarz	100603	2025-11-03	2026-11-03	■
BILOG ANTENNA	VULB 9168	SCHWARZBEC K	9168-461	2024-05-09	2026-05-09	■

6.2.2 Test Location : SEMI ANECHOIC CHAMBER #4(10 m) Measurement Distance : □ 3 m, ■ 10 m

6.2.3 Test Conditions :

Temperature	Relative Humidity
(22.7 ~ 22.9) °C	(35.7 ~ 35.8) % R.H.

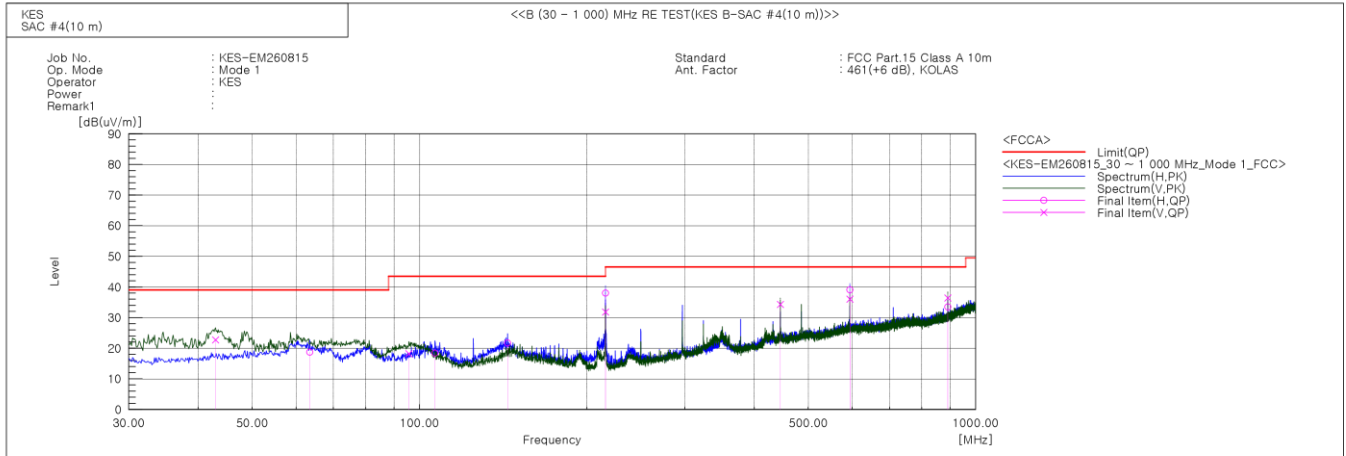
6.2.4 Diafram of test setup





6.2.5 Test Result

- Test Date : 2026-03-30
- Test Mode : Mode 1_FCC



Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c.f [dB(1/m)]	Result QP [dB(uV/m)]	Limit QP [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	Remark
1	42.974	V	43.7	-21.0	22.7	39.0	16.3	162.0	189.0	
2	63.465	H	40.0	-21.3	18.7	39.0	20.3	357.0	357.0	
3	95.718	V	43.5	-25.3	18.2	43.5	25.3	119.0	236.0	
4	106.630	H	42.1	-23.7	18.4	43.5	25.1	383.0	45.0	
5	143.975	H	41.2	-19.5	21.7	43.5	21.8	354.0	342.0	
6	215.998	H	59.5	-21.5	38.0	43.5	5.5	400.0	345.0	
7	215.998	V	53.3	-21.5	31.8	43.5	11.7	123.0	323.0	
8	445.403	V	45.5	-11.2	34.3	46.5	12.2	141.0	308.0	
9	594.055	H	46.2	-7.1	39.1	46.5	7.4	392.0	292.0	
10	594.055	V	43.1	-7.1	36.0	46.5	10.5	108.0	15.0	
11	891.118	H	36.4	-2.9	33.5	46.5	13.0	365.0	315.0	
12	891.118	V	39.3	-2.9	36.4	46.5	10.1	100.0	65.0	

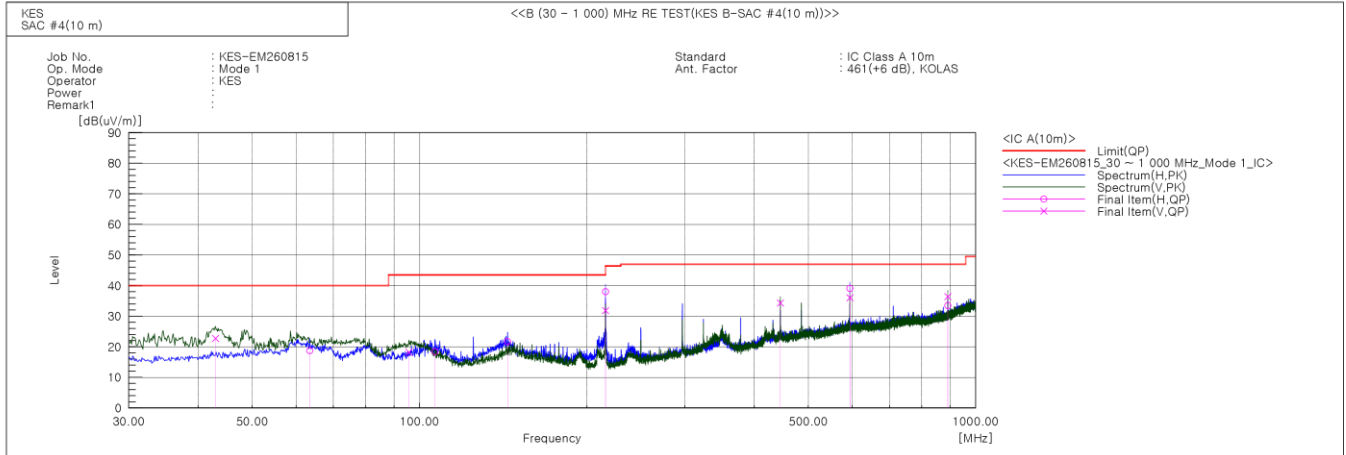
※ The data is the result measured by the detector in Quasi-Peak mode on the Peak graph.



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- Test Date : 2026-03-30
- Test Mode : Mode 1_IC



Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c.f [dB(1/m)]	Result QP [dB(uV/m)]	Limit QP [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	Remark
1	42.974	V	43.7	-21.0	22.7	40.0	17.3	162.0	189.0	
2	63.465	H	40.0	-21.3	18.7	40.0	21.3	357.0	357.0	
3	95.718	V	43.5	-25.3	18.2	43.5	25.3	119.0	236.0	
4	106.630	H	42.1	-23.7	18.4	43.5	25.1	383.0	45.0	
5	143.975	H	41.2	-19.5	21.7	43.5	21.8	354.0	342.0	
6	215.998	H	59.5	-21.5	38.0	43.5	5.5	400.0	345.0	
7	215.998	V	53.3	-21.5	31.8	43.5	11.7	123.0	323.0	
8	445.403	V	45.5	-11.2	34.3	47.0	12.7	141.0	308.0	
9	594.055	H	46.2	-7.1	39.1	47.0	7.9	392.0	292.0	
10	594.055	V	43.1	-7.1	36.0	47.0	11.0	108.0	15.0	
11	891.118	H	36.4	-2.9	33.5	47.0	13.5	365.0	315.0	
12	891.118	V	39.3	-2.9	36.4	47.0	10.6	100.0	65.0	

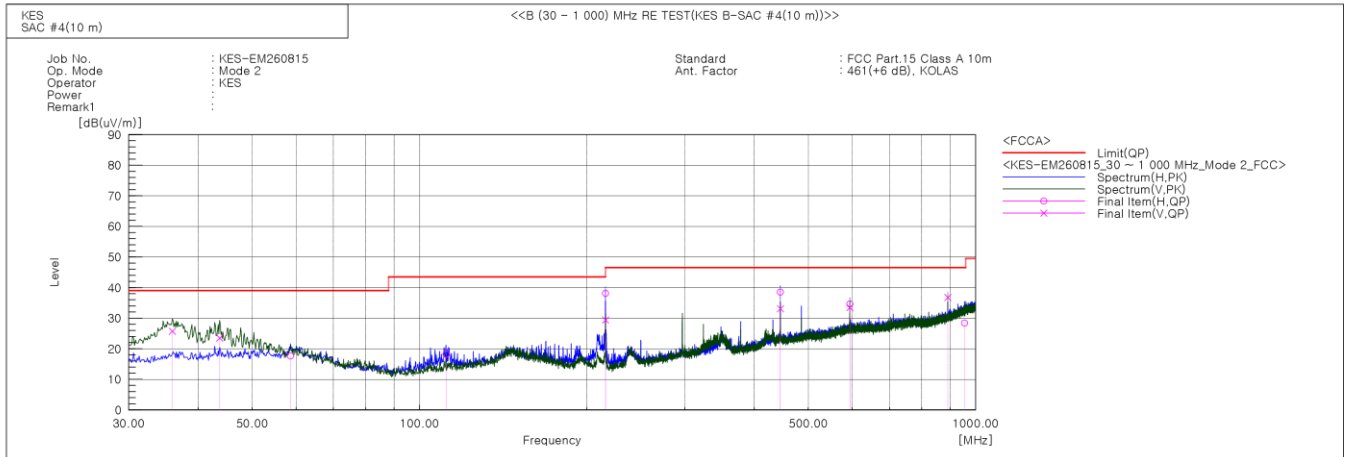
※ The data is the result measured by the detector in Quasi-Peak mode on the Peak graph.



Report No. : KES-EM260815

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- Test Date : 2026-03-30
- Test Mode : Mode 2_FCC



Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(μV)]	c.f [dB(1/m)]	Result QP [dB(μV/m)]	Limit QP [dB(μV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	Remark
1	35.941	V	47.3	-21.6	25.7	39.0	13.3	118.0	2.0	
2	43.701	V	44.4	-20.9	23.5	39.0	15.5	100.0	70.0	
3	58.615	H	38.5	-20.9	17.6	39.0	21.4	365.0	50.0	
4	111.601	H	41.3	-23.1	18.2	43.5	25.3	392.0	54.0	
5	215.998	H	59.6	-21.5	38.1	43.5	5.4	348.0	142.0	
6	215.998	V	50.9	-21.5	29.4	43.5	14.1	142.0	336.0	
7	445.524	H	49.7	-11.2	38.5	46.5	8.0	354.0	222.0	
8	445.524	V	44.3	-11.2	33.1	46.5	13.4	166.0	12.0	
9	594.055	H	41.7	-7.1	34.6	46.5	11.9	379.0	42.0	
10	594.055	V	40.6	-7.1	33.5	46.5	13.0	100.0	62.0	
11	890.996	V	39.7	-2.9	36.8	46.5	9.7	109.0	192.0	
12	955.016	H	29.2	-0.8	28.4	46.5	18.1	353.0	333.0	

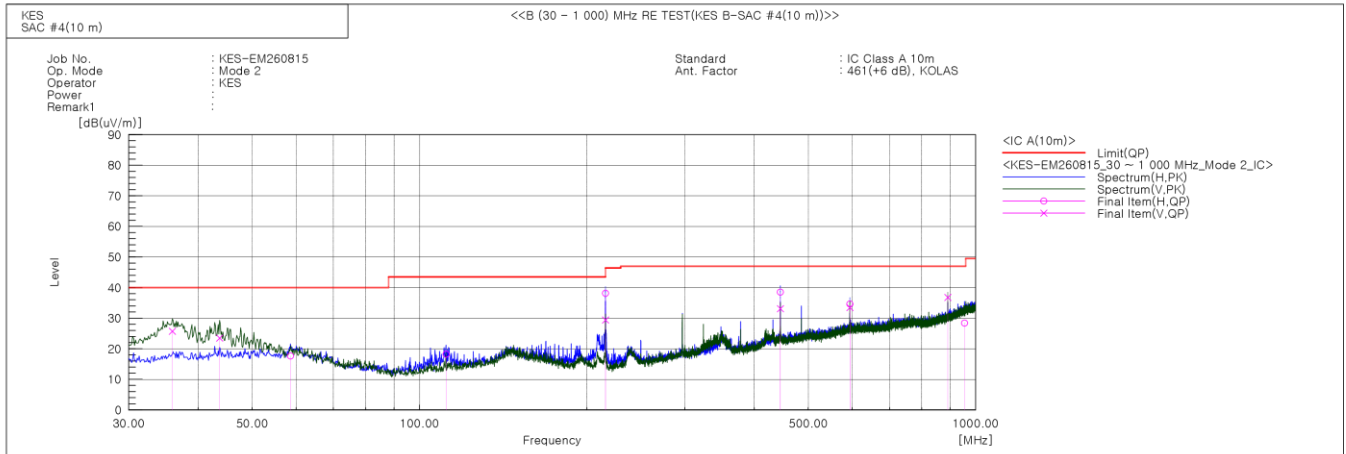
※ The data is the result measured by the detector in Quasi-Peak mode on the Peak graph.



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- Test Date : 2026-03-30
- Test Mode : Mode 2_IC



Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(μV)]	c.f [dB(1/m)]	Result QP [dB(μV/m)]	Limit QP [dB(μV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	Remark
1	35.941	V	47.3	-21.6	25.7	40.0	14.3	118.0	2.0	
2	43.701	V	44.4	-20.9	23.5	40.0	16.5	100.0	70.0	
3	58.615	H	38.5	-20.9	17.6	40.0	22.4	365.0	50.0	
4	111.601	H	41.3	-23.1	18.2	43.5	25.3	392.0	54.0	
5	215.998	H	59.6	-21.5	38.1	43.5	5.4	348.0	142.0	
6	215.998	V	50.9	-21.5	29.4	43.5	14.1	142.0	336.0	
7	445.524	H	49.7	-11.2	38.5	47.0	8.5	354.0	222.0	
8	445.524	V	44.3	-11.2	33.1	47.0	13.9	166.0	12.0	
9	594.055	H	41.7	-7.1	34.6	47.0	12.4	379.0	42.0	
10	594.055	V	40.6	-7.1	33.5	47.0	13.5	100.0	62.0	
11	890.996	V	39.7	-2.9	36.8	47.0	10.2	109.0	192.0	
12	955.016	H	29.2	-0.8	28.4	47.0	18.6	353.0	333.0	

※ The data is the result measured by the detector in Quasi-Peak mode on the Peak graph.

6.2.6 Remark

Complies with the test requirements.



6.3 Radiated Emissions(Above 1 GHz)

6.3.1 Test Equipment

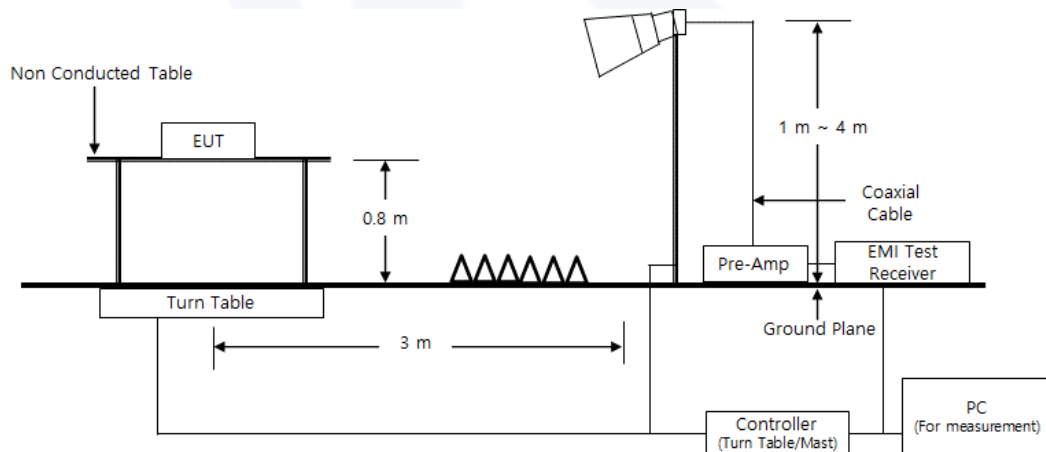
Equipment Name	Model Number	Manufacturer	Serial No.	Cal. Date	Next Cal. Date	Used
SEMI ANECHOIC CHAMBER #5	-	SY Corporation	-	-	-	■
ES10/RE Software	ES10/RE	TOYO	2022.01.000	-	-	■
EMI TEST RECEIVER	ESU26	Rohde & Schwarz	100552	2026-02-12	2027-02-12	■
PREAMPLIFIER	8449B	HP	3008A00538	2025-04-30	2026-04-30	■
ATTENUATOR	8491B	HP	23094	2026-02-12	2027-02-12	■
HORN ANTENNA	BBHA 9120D	SCHWARZBEC K	9120D-1802	2025-11-05	2026-11-05	■

6.3.2 Test Location : SEMI ANECHOIC CHAMBER #5

6.3.3 Test Conditions :

Temperature	Relative Humidity
(23.7 ~ 24.0) °C	(36.9 ~ 37.0) % R.H.

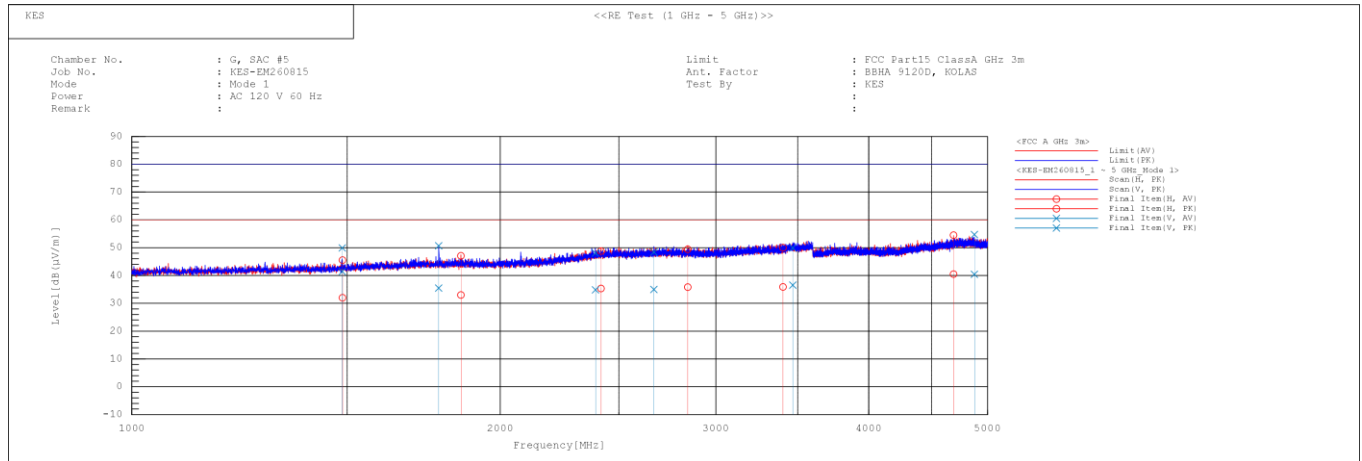
6.3.4 Diagram of test setup





6.3.5 Test Result

- Test Date : 2026-04-01
- Test Mode : Mode 1



Final Result

No.	Frequency [MHz]	Pol	Reading AV [dB(μV)]	Reading PK [dB(μV)]	c.f [dB(1/m)]	Result AV [dB(μV/m)]	Result PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin AV [dB]	Margin PK [dB]	Height [cm]	Angle [deg]	Remark
1	1485.727	V	40.1	48.6	1.3	41.4	49.9	60.0	80.0	18.6	30.1	140.0	138.4	
2	1486.350	H	30.7	44.2	1.3	32.0	45.5	60.0	80.0	28.0	34.5	358.0	228.3	
3	1781.018	V	32.9	48.1	2.6	35.5	50.7	60.0	80.0	24.5	29.3	129.0	220.1	
4	1857.694	H	30.1	44.2	2.9	33.0	47.1	60.0	80.0	27.0	32.9	358.0	255.1	
5	2391.914	V	29.5	42.8	5.3	34.8	48.1	60.0	80.0	25.2	31.9	114.0	80.4	
6	2417.518	H	29.9	43.4	5.4	35.3	48.8	60.0	80.0	24.7	31.2	326.0	316.1	
7	2670.587	V	29.0	42.4	6.0	35.0	48.4	60.0	80.0	25.0	31.6	121.0	344.6	
8	2845.844	H	29.2	42.8	6.6	35.8	49.4	60.0	80.0	24.2	30.6	339.0	283.7	
9	3403.726	H	28.4	42.5	7.5	35.9	50.0	60.0	80.0	24.1	30.0	337.0	59.9	
10	3467.201	V	28.9	42.3	7.6	36.5	49.9	60.0	80.0	23.5	30.1	100.0	94.9	
11	4690.130	H	28.6	42.6	11.9	40.5	54.5	60.0	80.0	19.5	25.5	296.0	48.4	
12	4878.237	V	27.9	42.2	12.5	40.4	54.7	60.0	80.0	19.6	25.3	100.0	288.1	

- ※ The data is the result of measured by the detector in PK and CISPR Average on the Peak graph.
- ※ The Average of the test data is the cispr average result.



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○ Test Date : 2026-04-01

● Test Mode : Mode 1

(5 ~ 7.5) GHz

PK

Frequency (MHz)	Reading PK (dBuV)	Polarization	Height (m)	ANT Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
5 691.600	41.600	H	1.000	32.740	8.760	33.800	49.300	80.000	30.700
7 145.000	39.500	V	1.000	35.790	10.580	34.150	51.720	80.000	28.280

Cispr-AV

Frequency (MHz)	Reading CISPR AV (dBuV)	Polarization	Height (m)	ANT Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
5 691.600	28.000	H	1.000	32.740	8.760	33.800	35.700	60.000	24.300
7 145.000	26.500	V	1.000	35.790	10.580	34.150	38.720	60.000	21.280

※ No spurious emission were detected above 7.5 GHz

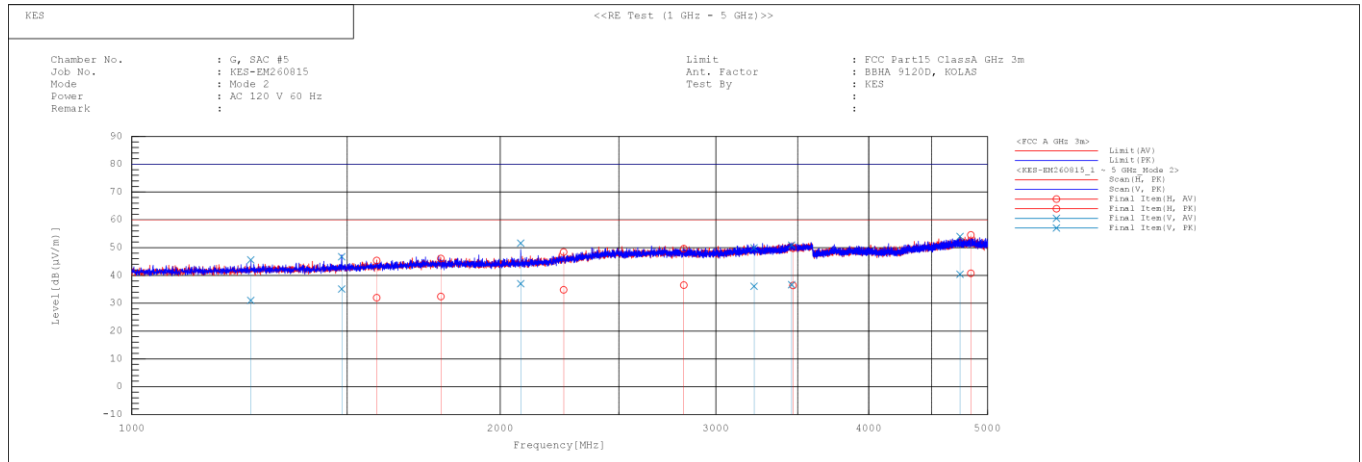


Report No. : KES-EM260815

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○ Test Date : 2026-04-01

● Test Mode : Mode 2



Final Result

No.	Frequency [MHz]	Pol	Reading AV [dB (μV)]	Reading PK [dB (μV)]	c.f [dB (1/m)]	Result AV [dB (μV/m)]	Result PK [dB (μV/m)]	Limit AV [dB (μV/m)]	Limit PK [dB (μV/m)]	Margin AV [dB]	Margin PK [dB]	Height [cm]	Angle [deg]	Remark
1	1251.314	V	30.9	45.5	0.1	31.0	45.6	60.0	80.0	29.0	34.4	124.0	102.7	
2	1484.450	V	33.8	45.4	1.3	35.1	46.7	60.0	80.0	24.9	33.3	135.0	136.2	
3	1585.204	H	30.2	43.6	1.8	32.0	45.4	60.0	80.0	28.0	34.6	369.0	26.1	
4	1788.515	H	29.7	43.4	2.7	32.4	46.1	60.0	80.0	27.6	33.9	311.0	249.9	
5	2078.288	V	33.3	47.9	3.7	37.0	51.6	60.0	80.0	23.0	28.4	144.0	213.0	
6	2252.837	H	30.3	43.9	4.5	34.8	48.4	60.0	80.0	25.2	31.6	308.0	15.2	
7	2824.428	H	30.0	43.1	6.5	36.5	49.6	60.0	80.0	23.5	30.4	348.0	150.3	
8	3222.973	V	28.9	42.7	7.2	36.1	49.9	60.0	80.0	23.9	30.1	160.0	112.0	
9	3459.069	V	29.1	43.3	7.6	36.7	50.9	60.0	80.0	23.3	29.1	153.0	93.0	
10	3468.156	H	28.8	42.2	7.6	36.4	49.8	60.0	80.0	23.6	30.2	381.0	359.3	
11	4748.358	V	28.4	42.0	12.0	40.4	54.0	60.0	80.0	19.6	26.0	100.0	110.0	
12	4845.272	H	28.4	42.2	12.4	40.8	54.6	60.0	80.0	19.2	25.4	393.0	307.8	

※ The data is the result of measured by the detector in PK and CISPR Average on the Peak graph.

※ The Average of the test data is the cispr average result.



Report No. : KES-EM260815

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○ Test Date : 2026-04-01

● Test Mode : Mode 2

(5 ~ 7.5) GHz

PK

Frequency (MHz)	Reading PK (dBuV)	Polarization	Height (m)	ANT Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
6 593.800	41.600	H	1.000	34.530	8.900	34.820	50.210	80.000	29.790
6 787.500	41.800	V	1.000	35.420	9.710	34.740	52.190	80.000	27.810

Cispr-AV

Frequency (MHz)	Reading CISPR AV (dBuV)	Polarization	Height (m)	ANT Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
6 593.800	28.100	H	1.000	34.530	8.900	34.820	36.710	60.000	23.290
6 787.500	28.200	V	1.000	35.420	9.710	34.740	38.590	60.000	21.410

※ No spurious emission were detected above 7.5 GHz

6.3.6 Remark

Complies with the test requirements.

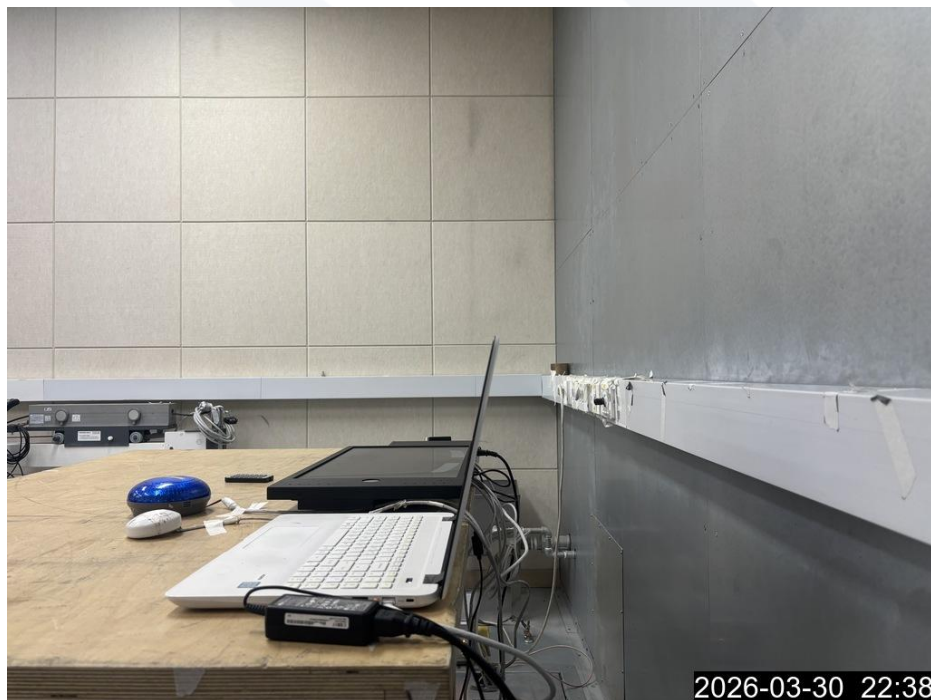


7 Test Setup Photos and EUT Photographs

7.1 Test Setup Photos



<Conducted Emissions at Mains Power Ports - Front> Mode 1



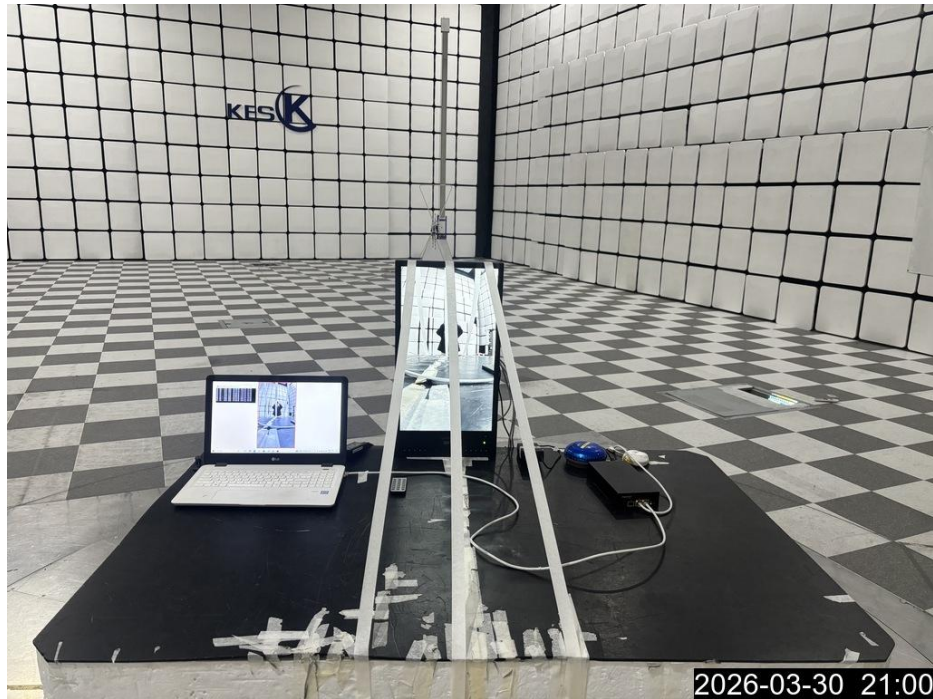
<Conducted Emissions at Mains Power Ports - Rear> Mode 1



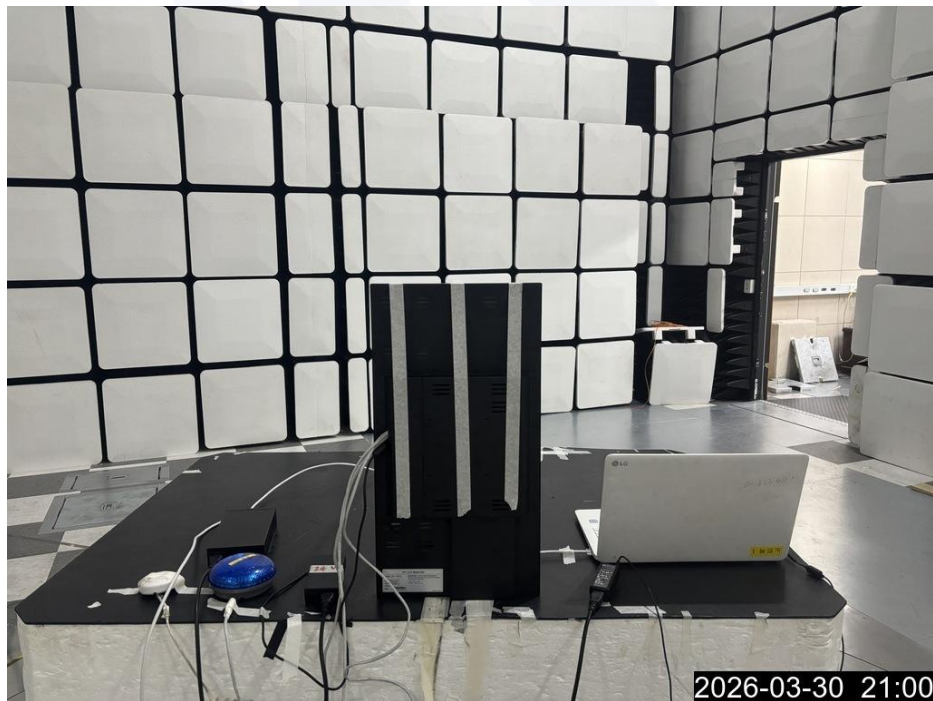
<Conducted Emissions at Mains Power Ports - Front> Mode 2



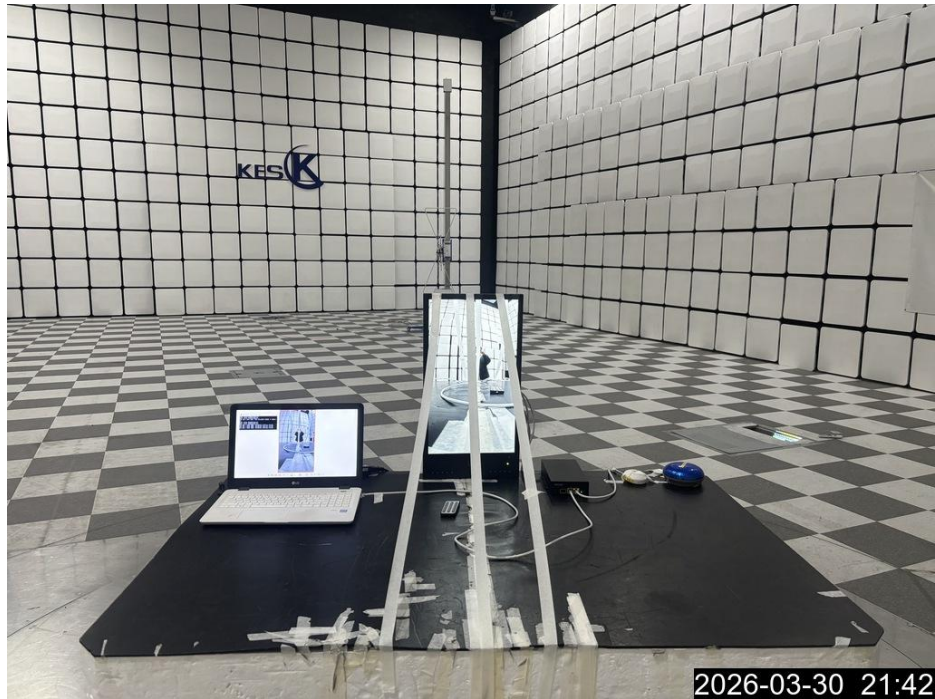
<Conducted Emissions at Mains Power Ports - Rear> Mode 2



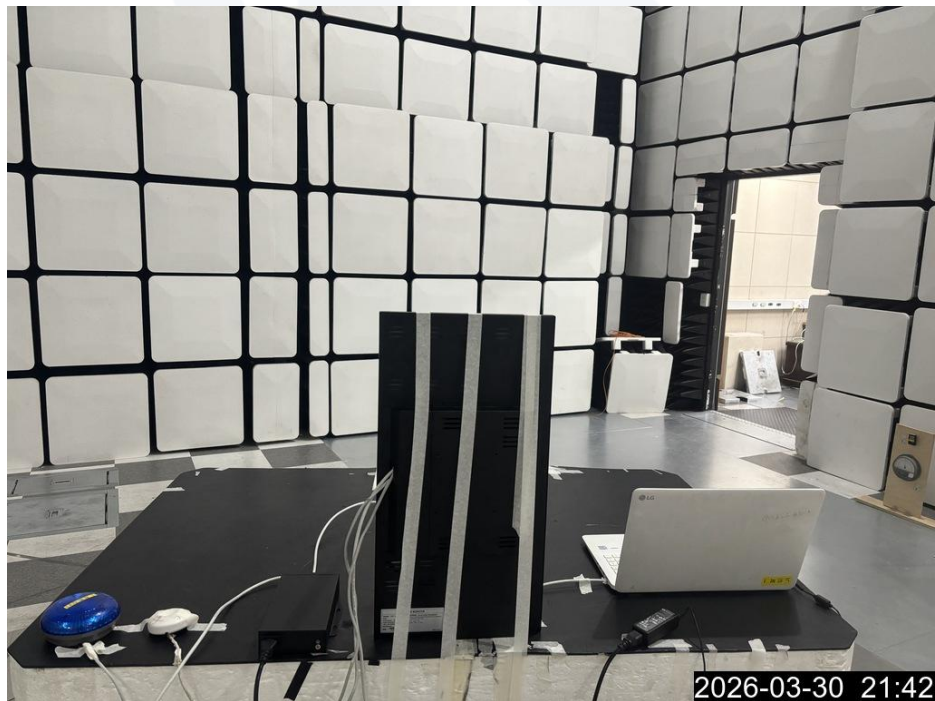
<Radiated Emissions(Below 1 GHz) - Front> Mode 1



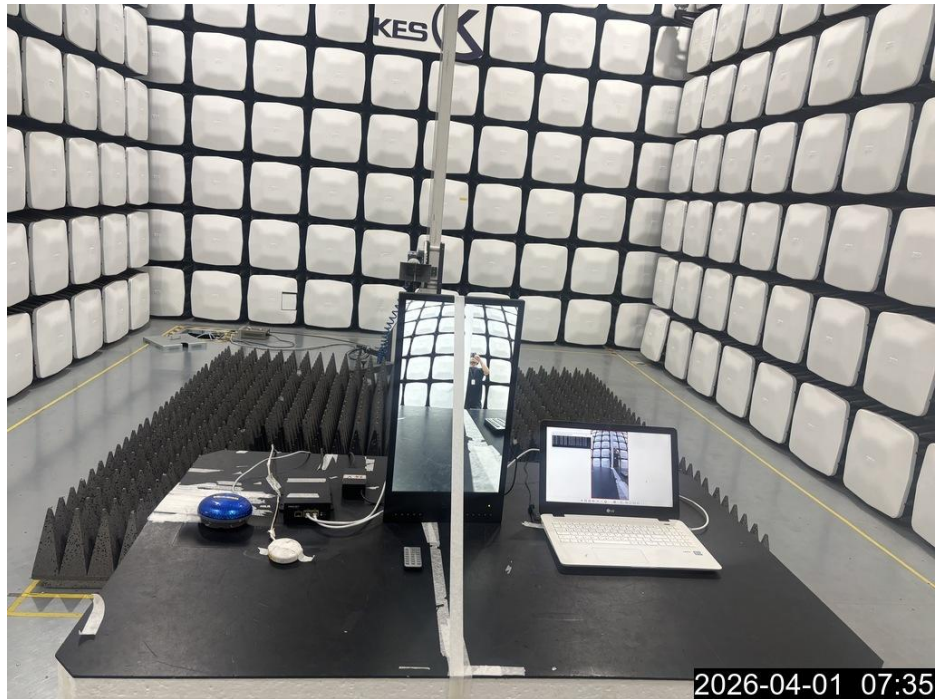
<Radiated Emissions(Below 1 GHz) - Rear> Mode 1



<Radiated Emissions(Below 1 GHz) - Front> Mode 2



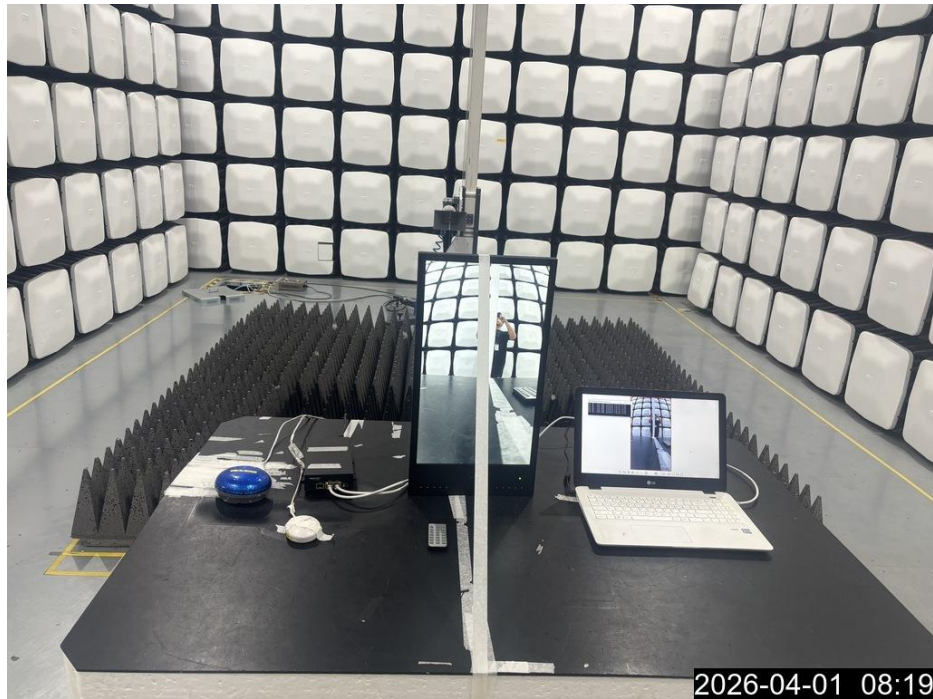
<Radiated Emissions(Below 1 GHz) - Rear> Mode 2



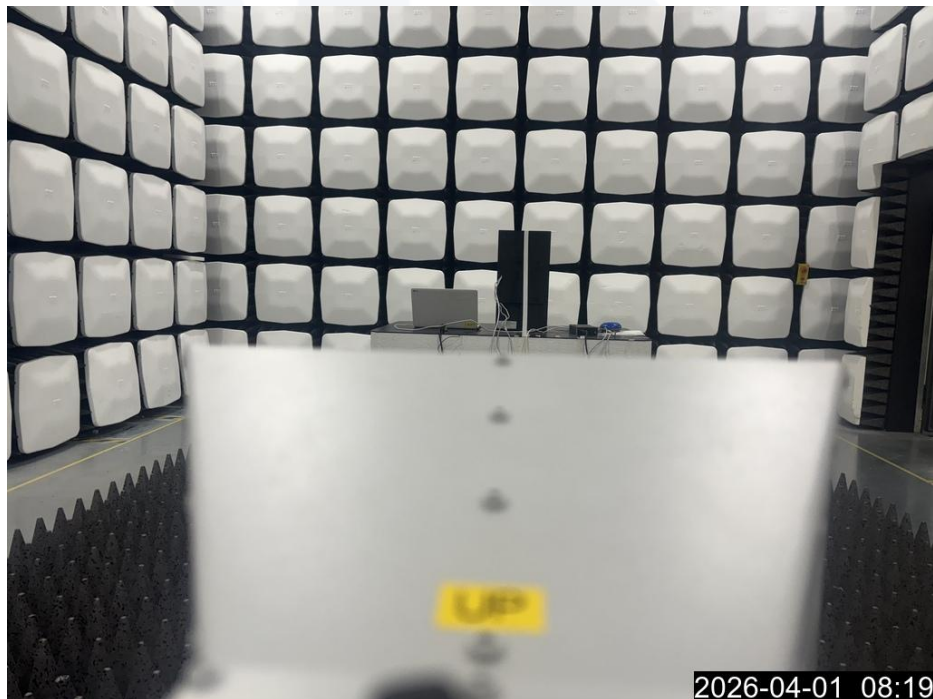
<Radiated Emissions(Above 1 GHz) - Front> Mode 1



<Radiated Emissions(Above 1 GHz) - Rear> Mode 1



<Radiated Emissions(Above 1 GHz) - Front> Mode 2



<Radiated Emissions(Above 1 GHz) - Rear> Mode 2



7.2 EUT Photographs



<EUT External Photographs - Top>



<EUT External Photographs - Bottom>



<Components>



<Port-1>



<Port-2>



<EUT Internal Photographs>



7.3 Label

	Name : Hanwha Vision Co., Ltd. Product item : Public View Monitor Model name : SMT-2221PV
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.	
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. 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(A) / NMB-003(A)	

The End.